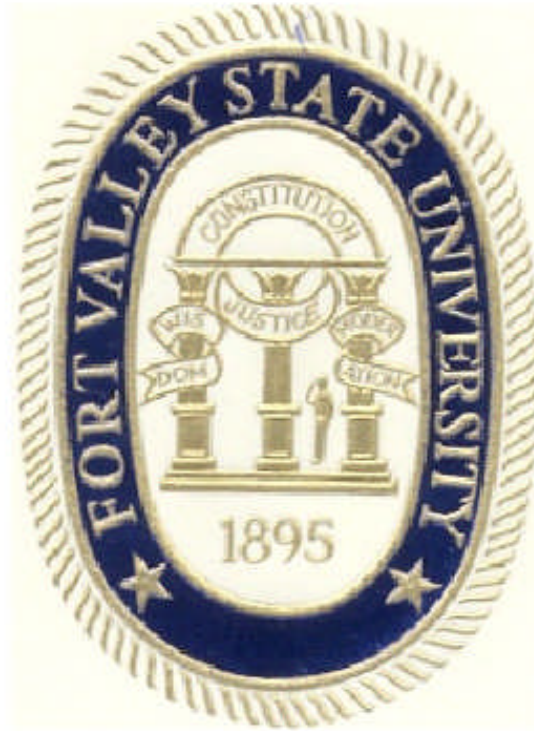


2008-2010 Undergraduate Catalog



FORT VALLEY STATE UNIVERSITY
A State and Land-Grant University
University System of Georgia
Fort Valley, Georgia 31030-4313
Telephone: (478) 825-6211
Toll Free: (877) Go-2-FVSU (462-3878)

Fort Valley State University is an equal education and employment opportunity institution and does not discriminate on the basis of race, color, gender, religion, creed, national origin, age, or handicap.

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PREFACE



The statements set forth in this catalog are for informational purposes only and should not be construed as the basis of a contract between a student and this institution. While every effort has been made to ensure accuracy of the material stated herein, Fort Valley State University reserves the right to change any provision listed in this catalog including, but not limited to, academic requirements for graduation, without actual notice to individual students.

Students have the responsibility to keep apprised of current graduation requirements for the degree program in which they are enrolled. Information regarding academic requirements for graduation is available in the offices of the Registrar, the Vice President for Academic Affairs, the Vice President for Student Affairs, and the Deans of each College.

Limitation of Institutional Liability

In the event that an administrative hearing officer or a court of record determines that *publications* issued by Fort Valley State University create a contractual or quasi-contractual relationship with any person, the amount of damages recoverable by the parties shall be limited to the amount of consideration paid by the person for the privilege of admission, enrollment, continued enrollment, or other service rendered by the University to such person. As used herein, the term *publications* (without limiting the generality of the normal meaning of the term) shall be deemed to include any and all written forms or other documents issued by Fort Valley State University concerning applications for admission, enrollment or continued enrollment, waivers of liability, consents to medical treatment, residence hall occupancy, and all other documents, letters, or other materials issued by the University in the furtherance of its educational mission.

Equal Opportunity Policy

Fort Valley State University subscribes to a legal and moral obligation in its pursuit to achieve affirmative action in the provision of employment and educational opportunities for all persons regardless of race, color, religion, national origin, marital status, age, gender, and physical or mental handicap. To this end, the Affirmative Action/Equal Employment Opportunity/ADA/504 Handicapped/Title Nine and Learning Disabled Office and the Office of the Vice President for Academic Affairs work closely to provide an environment which is free of bias and inequality.

Fort Valley State University



Fort Valley State University

**ACADEMIC CALENDAR
FALL SEMESTER 2008**

ACTIVITY

Deadline to Apply for Admission and Readmission	7/19/2008
Faculty Institute.....	8/7&8/2008
New Students Report.....	8/10/2008
Advisement & Registration (New Students Only)	8/12, 13 &14/2008
Registration (Returning & Re-Admit Students).....	8/15&16/2008
Classes Begin.....	8/18/2008
Late Payment Begins	8/18/2008
Late Registration Ends	8/19/2008
Schedule Change Deadline (Adds)	8/20/2008
Deadline to Apply for Graduation	9/01/2008
Holiday – Labor Day -University Closed	9/01/2008
Mid-term of Semester	10/8/2008
Drop or Withdrawal Deadline Without Receiving a Failing Grade	10/10/2008
Founders’ Day Observance	11/06/2008
**Registration For Next Semester ~ (Spring 2009)	11/11-13/2008
Fall Break – (No Classes)	11/24-26/2008
Thanksgiving Holiday (University Closed)	11/27&28/2008
Classes Resume.....	12/01/2008
Candidate Examinations	12/3&4/2008
Early Candidates Grades Due (12:00 Noon)	12/05/2008
Classes End	12/08/2008
Reading Day	12/09/2008
Final Exams.....	12/10,11,12/2008
Fall Commencement (9:30 a.m.)	12/13/2008
Grades Due (Deadline 4:00p.m.)	12/15/2008

** MANDATORY FOR ALL CURRENTLY ENROLLED STUDENTS

OFFICE OF THE REGISTRAR

Fort Valley State University

**ACADEMIC CALENDAR
SPRING SEMESTER 2009**

ACTIVITY

Deadline to Apply for Admission and Readmission	12/05/2008
FAFSA APPLICATIONS FOR 2008-2009 AVAILABLE AT www.fafsa.ed.gov	1/02/2009
New Students Report.....	1/06/2009
Advisement & Registration (New Students Only)	1/06/2009
Registration (Returning & Re-Admit Students)	1/07/2009
Classes Begin.....	1/08/2009
Late Payment Begins	1/08/2009
Late Registration (Payment) Ends	1/09/2009
Schedule Change Deadline (Adds)	1/12/2009
HOLIDAY –MARTIN LUTHER KING, JR. (UNIVERSITY CLOSED)	1/19/2009
Deadline to Apply for Graduation	2/01/2009
Black History Month Convocation	2/16/2009
Financial Aid Awareness Week	2/16-20/2009
Mid-term of Semester	3/04/2009
Drop or Withdrawal Deadline Without Receiving a Failing Grade	3/06/2009
Major Area Examinations	3/07/2009
Spring Break – (No Classes)	3/9-13/2009
Classes Resume.....	3/16/2009
Honors Convocation	3/19/2009
**Registration for Fall 2009	4/7-9/2009
HOLIDAY (UNIVERSITY CLOSED) GOOD FRIDAY	4/10/2009
Candidate Examinations	4/23&24/2009
Senior Week	4/27-5/01/2009
Early Candidates Grades Due (by 12:00 Noon)	4/27/2009
Classes End	5/01/2009
Reading Day	5/01/2009
Spring Commencement (9:30 a.m.)	5/02/2009
Final Exams & Outcomes Assessment	5/4,5&6/2009
Grades Due (Deadline 4:00p.m.)	5/08/2009

**** MANDATORY FOR ALL CURRENTLY ENROLLED STUDENTS**

OFFICE OF THE REGISTRAR

Fort Valley State University

The University System of Georgia

The University System of Georgia consists of thirty-five public colleges and universities located in every key region of the state. From Brunswick in the Southeast and Bainbridge in the Southwest to Dalton and Rome in the Northwest and Dahlonega and Gainesville in the Northeast, most Georgians live within commuting distance of one or more System institutions. These institutions offer programs of study and degrees in various fields. Students can choose a range of programs according to their talents and interests, from one-year certificate programs to doctoral degree programs.

Research Universities

Georgia Institute of Technology
Georgia State University
Medical College of Georgia
University of Georgia

Regional Universities

Georgia Southern University
Valdosta State University

State Universities

Albany State University
Armstrong State College
Augusta State University
Clayton State College
Columbus State University
Fort Valley State University
Georgia College & State University
Georgia Southwestern State University
Kennesaw State University
North Georgia State College & State University
Savannah State University
Southern Polytechnic State University
University of West Georgia

State Colleges

Abraham Baldwin Agricultural College
College of Coastal Georgia
Dalton State College
Gainesville State College
Georgia Gwinnett College
Gordon College
Macon State College
Middle Georgia College

Two-Year Colleges

Atlanta Metropolitan College
Bainbridge College
Darton College
East Georgia College
Georgia Highlands College
Georgia Perimeter College
South Georgia College
Waycross College

Fort Valley State University

Fort Valley State University Accreditation and Memberships

Fort Valley State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, baccalaureate and master's degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Fort Valley State University.

Other University degree programs which are accredited by discipline associations are:

- The Veterinary Technology Program, accredited by the American Veterinary Medical Association (AVMA)
- The Family and Consumer Sciences Program, accredited by the American Association of Family and Consumer Sciences
- The Didactic Program in Dietetics (DPD), accredited by the Commission on Accreditation for Dietetics Education (CADE) of the American Dietetics Association
- The Electronic Engineering Technology Program, accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, Inc. (111 Market Place, Suite 1050, Baltimore, MD 21202)

The University also maintains the following memberships:

- American Association of Collegiate Registrars and Admissions Officers
- American Association of State Colleges and Universities
- American Council on Education
- American Association for Higher Education
- American Dietetics Association
- American Library Association
- American Personnel and Guidance Association
- Association of Collegiate Business Schools and Programs (A.C.B.S.P.)
- Association for the Study of African American Life and History, Inc.
- Association of Administrators of Home Economics
- Association of American Colleges
- College Entrance Examination Board
- College Placement Council, Inc.
- Committee for the Humanities
- Conference on College Composition and Communication
- Conference of Southern Graduate Schools
- Council of 1890 College Presidents
- Council of Rehabilitation Education
- Georgia Library Association
- National Association of Campus Activities
- National Association of College Deans, Registrars and Admission Officers
- National Association of College and University Business Officers
- National Association for Equal Opportunity in Higher Education
- National Association of Intercollegiate Athletics
- National Association of Remedial Learning Support Services in Post-Secondary Education
- National Association of State Universities and Land-Grant Colleges
- National Association of Student Personnel Administrators, Inc.

Fort Valley State University

- National Collegiate Athletic Association
- National Council for Black Studies, Inc.
- National Education Association
- Southern Intercollegiate Athletic Association
- Southern Regional Library Association
- The Georgia Consortium, Inc.

History of the University

The Fort Valley State College has as its heritage the educational contributions of the Fort Valley Normal and Industrial Institute, and the State Teachers and Agricultural College at Forsyth. - Fort Valley State College's First College Catalog, 1939

Fort Valley State College was established in 1895 as the Fort Valley High and Industrial School. In 1902, William Merida Hubbard founded the State Teachers and Agricultural College in Forsyth that, in 1939, merged with the Fort Valley School to become Fort Valley State College. It became Fort Valley State University in June 1996.

The only 1890 land-grant school in Georgia, Fort Valley State University is a comprehensive institution providing an educational experience of exceptional quality. The University is located in the town of Fort Valley in Peach County, the original site of the nation's peach industry. Its 1,365 acre campus is the second largest (in acreage) public university in the state.

The University's 3,100 plus students represent 130 of Georgia's 159 counties, more than 30 states and about 10 international countries. Ninety-four percent of the student body is of African descent. The average age is 24 for undergraduates and 33 for graduate students. About two-third of students live on campus, and 85 percent attend college full-time.

The University offers bachelor's degrees in more than 40 majors - education, business administration and agriculture are particularly popular - as well as master's degrees in education and counseling. In an effort to accommodate our graduate and non-traditional students, external degree program courses are also offered at off-campus sites in Macon and Warner Robins.

Fort Valley State's *Cooperative Developmental Energy Program (CDEP)* is the only one of its kind in the nation, preparing students for energy-industry careers in science and geology.

Outreach services include Fort Valley's Cooperative Extension Program, where extension specialists operate in 42 counties, and the Pettigrew Conference Center, which hosts more than 500 courses and events for 51,000 patrons each year.

Students have several opportunities for extracurricular involvement at the University, including the marching band, concert choir, Baptist Student Union Choir and cheerleading. There are more than 70 clubs, sororities, fraternities and social organizations on campus. Athletic opportunities include intramural sports and intercollegiate men's and women's track and basketball teams. The championship football team, a member of the Southern Intercollegiate Athletic Conference, has produced many notable professional sports figures.

Significant events in the history of the University follow:

Fort Valley State University

1895-1920

- 1895 - *The Fort Valley High and Industrial School* was chartered in 1895.
- 1902 - *The State Teachers and Agricultural College of Forsyth* was founded by Mr. William Merida Hubbard.
- 1902 - *Mr. John W. Davison*, who led the chartering of the Fort Valley High and Industrial School, was elected its first principal.
- 1903 - *Mr. Davison* resigned as principal of the Fort Valley High and Industrial School.
- 1904 - *Mr. Henry Alexander Hunt* became the school's second principal.
- 1904 - *Miss Anna Jeanes* donated \$5,000 to erect a frame school building and a shop; Jeanes Hall was named in her honor.
- 1908 - Mr. Collis P. Huntington, the great railroad financier, contributed \$25,000 for a girls' dormitory; Huntington Hall was named in his honor.
- 1916 - Jeanes Hall was remodeled and *Royal C. Peabody* provided funds for the construction of the Trades Building that bears his name.
- 1919 - The institution became affiliated with the American Church Institute of the Protestant Episcopal Church.

1921 - 1940

- 1925 - *The Carnegie Foundation* provided funds for the erection of the Carnegie Library.
- 1929 - *The Academic Building* erected with funds contributed by the General Education Board and friends.
- 1930 - *Ohio Hall* was erected with funds contributed by the Episcopal Church of the State of Ohio.
- 1931 - *Mr. Henry Alexander Hunt* was awarded the Springarn Medal.
- 1932 - *Mr. Samuel Henry Bishop* donated funds for the erection of the dining hall.
- 1934 - The original college infirmary was erected and dedicated to *Mrs. Florence Hunt*.
- 1937 - The Robert W. Patton Home Economics Building erected.
- 1938 - Mr. Henry Alexander Hunt died on October 1.
- 1939 - Negotiations begun by Mr. Hunt to transfer the school to state control and operation were consummated; the work formerly carried on at the State Teachers and Agricultural College were consolidated with the work at Fort Valley to form the *Fort Valley State College*.
- 1939 - *Dr. Horace Mann Bond* was elected first President of Fort Valley State College (FVSC).

1941 - 1960

- 1940 - *Dr. W. E. B. DuBois* delivered the first Founder's Day address on October 10; it was entitled "*The Significance of Henry Hunt.*"
- 1941 - Cooperative houses were erected and named in honor of *William Merida Hubbard*.
- 1945 - *Dr. Horace Mann Bond* resigned from the presidency.
- 1945 - *Dr. Cornelius V. Troup* was appointed as the second President.
- 1946 - *The Veterans Unit* was constructed.
- 1947 - The Board of Regents adopted a resolution moving the Land-Grant designation from Savannah State College and designating the Fort Valley State College as the *1890 Land-Grant College for Negroes* in Georgia.
- 1948 - *John W. Davison Hall* was dedicated.
- 1949 - The Georgia General Assembly, in response to the Regents' resolution, *officially designated The Fort Valley State College as the Land-Grant College for Negroes* in Georgia.
- 1952 - *Miss Catherine Hardy* won a gold medal as a member of the winning 400-meter

Fort Valley State University

- women's relay team at the Olympic Games at Helsinki, Finland.
- 1952 - The *Leroy Bywaters Building*, formerly the H.A. Hunt Library, was dedicated.
- 1952 - The *Henry Alexander Hunt Memorial Library* was dedicated on April 29.
- 1953 - The *Home Management House* for Home Economics, Maintenance Warehouse for the Buildings and Grounds Department, General Purpose Barn, Farm Equipment Shed, and Deep Well for the Division of Agriculture were made available for college use.
- 1954 - The *Alva Tabor Agriculture Building* opened for occupancy on October 10
- 1957 - The William M. Hubbard Education Building was dedicated.
- 1957 - Football Stadium constructed.
- 1957 - The College received full membership in the *Southern Association of Colleges and Schools*, and was among the first of the HBCUs to be admitted.
- 1957 - The *Graduate Division* was begun in the Fall.
- 1959 - The *George N. Woodward Health and Physical Education Building* was dedicated on December 11.

1961 - 1970

- 1963 - The *Isaac Miller Science Building* dedicated on November 24.
- 1964 - The *Sophia Moore Dormitory* was dedicated on October 10.
- 1965 - The *Anthony D. Watson Dormitory* dedicated November 21.
- 1966 - The *Henrietta Walden Myers Home Economics Building* was completed.
- 1966 - *William Madison Boyd Hall* opened for occupancy.
- 1966 - *Dr. C. V. Troup* retired as President on June 20.
- 1966 - *Dr. W. W. E. Blanchet* was appointed as the third President.
- 1967 - The *Lottie M. Lyons Student Union Building* opened.
- 1968 - The *Agricultural Mechanics Building* opened for occupancy.

1971 – 1980

- 1971- The College became accredited by the *National Council for the Accreditation of Teacher Education (NCATE)*.
- 1972 - The *Food Service Center* was erected.
- 1972 - FVSC's *first regionally televised football game* appeared on ABC Television (FVSC vs Fisk University at Wildcat Stadium).
- 1973 - *Dr. W. W. E. Blanchet* retired as President; received Emeritus status.
- 1973 - *Dr. C. W. Pettigrew* was appointed fourth President.
- 1974 - First acquisition of property on State College Drive.
- 1975 - The annex to *Sophia Moore Hall* was completed.
- 1975 - The *Henry Alexander Hunt Memorial Library/Learning Resources Center* was completed.
- 1975 - The new *Florence Hunt Infirmary* opened for occupancy.
- 1976 - The new *Henry Alexander Hunt Memorial Library* opened for occupancy.
- 1976 - The *Horace Mann Bond classroom building* dedicated.
- 1977 - *Dr. C. V. Troup* died on May 9.
- 1978 - The *Animal Health Technology Building* completed and opened for occupancy.
- 1978 - The College became accredited by the *Engineering Council for Professional Development/Accreditation Board of Engineering and Technology (ECPD/ABET)*.
- 1979 - The Plant Operations and Maintenance Building was named *The Albert T. Wilson-Timothy Roberts Building*.
- 1979 - The Agricultural Mechanics Building named for *Dr. Cozy L. Ellison*.
- 1979 - The *Leroy Bywaters Business Building* opened for occupancy.

Fort Valley State University

- 1979 - The Perimeter Road was named *Memorial Drive*.
- 1979 - The College became accredited by the *American Association of Veterinary Medicine*.
- 1980 - Fort Valley State College's first *Fact Book* was produced.

1981 - 1990

- 1981 - The circle at the front entrance of the campus was named *College Circle*.
- 1982 - *Dr. C. W. Pettigrew* died on June 11.
- 1982 - *Dr. Walter W. Sullivan* was appointed Acting President and continued to serve as Dean of Academic Affairs.
- 1982 - The *C. W. Pettigrew Endowment Fund* was initiated.
- 1982 - The Learning Resource Center initiated the *Homie Regulus Collections*.
- 1983 - *Dr. Luther Burse* was appointed fifth President on October 1.
- 1985 - Fort Valley State College appeared on ABC TV's "*Good Morning America*," May 16.
- 1986 - Fort Valley State College received approval to offer the *Bachelor of Science Degree in Veterinary Science*.
- 1986 - The *Academic Honors Program* was initiated.
- 1987 - Fort Valley State College received approval to offer Computer Science courses at Robins Air Force Base, Warner Robins, Georgia.
- 1987 - The *C. W. Pettigrew Farm and Community Life Center* was dedicated.
- 1987 - The *Georgia Small Ruminant Research and Extension Center*, under the auspices of the Agricultural Research Station, became fully operational.
- 1988 - *Dr. Melvin E. Walker, Jr.* was appointed Acting President for Fort Valley State College.
- 1990 - *Dr. Oscar L. Prater* was appointed as the sixth President on August 9.

1991 - 2000

- 1994 - The *Centennial Inauguration and Founders' Day Celebration* was held on November 3.
- 1995 - The *Computer Technology Mathematics (CTM) Building* was opened for occupancy on August 18.
- 1995 - FVSC was changed from a Level III to a *Level IV School* by Southern Association of Colleges and Schools (SACS).
- 1996 - Fort Valley State College was designated by the University System of Georgia as *Fort Valley State University*, a State and Land-Grant University on June 12.
- 1996 - Opening Convocation for displaying the new University seal and for the new access road which was named University Boulevard, October 1.
- 1998 - Ribbon Cutting Ceremony for the *Meat Technology Center*, College of Agriculture, Home Economics and Allied Programs, April 21.

2001 - 2010

- 2001 - *Dr. Kofi Lomotey* was appointed as the seventh President, October 15.
- 2001 - The ribbon cutting ceremony was held for the *Evans Building*.
- 2002 - The *African World Studies Institute* was established.
- 2002 - *Ms. Alma Bass* donated money to repair the historic clock tower at Founders Hall
- 2002 - The first annual *African World Film Festival* was held.
- 2002 - The *Lady Wildcats* capture the SIAC title for the third year. First time in SIAC history for a "three-peat."
- 2002 - *The John W. Davison Lecture Series* was initiated.
- 2003 - The ribbon cutting ceremony for *Fort Valley State University in Warner Robins* was held on October 26.

Fort Valley State University

- 2003 - Fort Valley State University received approval to offer a dual degree program in *Food and Nutrition/Hotel Administration*.
- 2003 - The *American Meteorological Society's (AMS) Online Weather Studies Diversity Program: WeatherNet Program* was established.
- 2004 - Fort Valley State University received the *2004 Trumpet Award for Higher Education Institution of the Year*.
- 2004 - Fort Valley State University received approval to offer degrees in *Liberal Studies* and *African World Studies*.
- 2006 - *Dr. Larry Rivers* was appointed as the eighth President, February 8th and took office on March 14, 2006.

Mission and Vision of the University

The mission of The Fort Valley State University is to advance the cause of education with emphasis upon fulfilling commitments that our community members have undertaken collectively. As an institution of the University System of Georgia, Fort Valley State University naturally embraces the principles articulated by the Core Mission Statement for State Universities as approved by the Board of Regents of the University System of Georgia. The university's primary commitments include, among others, enhancement of teacher training programs grounded upon a liberal arts foundation, as reflective of over 110 years of experience and tradition. Additionally, the university recognizes with great pride and desires to further its responsibilities as Georgia's only 1890 Land Grant institution by offering programming excellence in agriculture, agribusiness, family and consumer sciences, extension, technology, and military science, and leadership, as well as to further its traditions of excellence in programs in the liberal arts and humanities, social sciences, and natural and physical sciences.

The university's primary commitments extend, as well, to:

- community outreach through the concept of the communitarity, an approach that highlights the interdependence of community and university;
- expanding service beyond the campus, as well as within, so that the institution addresses in a meaningful manner the broad diversity—human and technical—of needs in our home region and state as well as nationally and internationally;
- sparking within our students an enduring interest in learning and providing the tools and skills necessary to maintain that interest through life;
- preparing students through a mentoring approach for the opportunity to serve their fellow man while enjoying the opportunity provided by hard work and achievement to live the quality of life inherent in the American dream;
- encouraging and supporting creative expression, innovation, honesty, and integrity as endeavors of lasting and intrinsic merit;
- providing a productive environment for cutting-edge academic and practical research in, among other fields, agriculture, aquaculture, animal science, biotechnology, energy, environment, social and behavioral sciences, and the humanities; and
- otherwise acting to enlighten, enrich, and inspire by example those whom we serve.

Vision

The vision of the Fort Valley State University community centers upon its commitment to illuminate the rich heritage, influence, and educational opportunities inherent in the historically black college and university experience in a manner that applies and adapts that experience successfully for a diverse twenty-first century

Fort Valley State University

Campus Facilities

Non-residential Buildings

Residence Halls

The University grounds include approximately 1,365 acres of cleared, wooded and developed land, of which about eighty acres are used for the main portion of the campus. Most of the remaining acreage provides for agricultural research and future expansion. The University has thirty-six main buildings, six of which provide comfortable residential accommodations for students.

The campus buildings form a pleasant blend of architectural styles from the early 1900s with design features of succeeding decades. Initially, the campus was built around an oval which is now the Quadrangle. It serves as the focal point of the main campus area and the setting for many outdoor activities.

Non-Residential Buildings

- **Founders Hall**, overlooking the campus quadrangle, was named in memory of the eighteen men who signed the original charter in 1895, establishing the Fort Valley High and Industrial School. Founders Hall, once called the Academic Building, houses the Department of Fine Arts and Humanities. The distinctive clock tower on the roof of Founders Hall is depicted in the University's emblem.
- **Huntington Hall**, originally a women's residence hall built with the assistance of student labor, is currently unoccupied.
- The **Carnegie Building**, constructed in 1925 as a gift of the Andrew Carnegie Foundation, houses Campus Safety, a commuter lounge and the TRIO program.
- The **Benjamin S. Anderson House**, residence of founder, F. W. Gano, is the oldest building on the campus. The **Biggs Collection** of period furnishings dating from 1860-1900 is housed here.
- The **Royal C. Peabody Building**, named as a memorial to the brother of George Foster Peabody.
- The **F. W. Gano Building**, previously known as the *Training School*, houses the Department of Military Science and the Head Start program.
- **Samuel Henry Bishop Hall**, named for the philanthropist who contributed funds toward its original construction in 1932, for 39 years, served as the college dining hall. After a second complete renovation and addition, it provides up-to-date facilities for the Mass Communications Department.
- **Patton Hall**, named for Mr. Robert W. Patton, was erected in 1937 to house the Department of Home Economics. Renovated in 1969, it now provides office, studio and classroom space for programs in the areas of voice, instrumental music, band, and chorus.
- The **Leroy Bywaters (Sr.) Building**, built in 1952, was originally the Hunt Memorial Library. Remodeled in 1979 and named for one of the institution's first athletic coaches, the Bywaters Building houses the Department of Business Administration and Economics, Office of External Affairs, Office of Sponsored Programs and the Office of Development.
- The **Alva Tabor Agriculture Building** was constructed in 1954. It houses office, classroom and laboratory space. It was named for Mr. Alva Tabor, Sr., who served as

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- Head Itinerant Trainer for Negroes and who played a key role in the formation of the Negro FFA and the development of Camp John Hope.
- The **William Merida Hubbard Education Building** houses office and classroom space for the College of Graduate Studies and Extended Education. Two electronic teaching laboratories, a media center, two spacious conference rooms, a photographic darkroom, space for a curriculum center and a potential counseling assessment center are housed in this building. It was dedicated in October 1957 in honor of the founder of the State Teachers and Agricultural College of Forsyth.
 - The **George N. Woodward Building** was constructed in 1958 and named in honor of long-time local and University physician, Dr. George N. Woodward. This facility houses a gymnasium/auditorium, a natatorium, nautilus center, weight room, offices and classroom space.
 - The **Isaac Miller Science Building** was built in 1962 to accommodate the Department of Physics, Mathematics, Biology and Chemistry. It is named in honor of one of the founders of the institution and contains a large lecture room, classrooms, laboratories and faculty offices.
 - **Myers Hall**, constructed in 1965, houses the Department of Family and Consumer Sciences. The 30,337-square-foot structure accommodates offices, classrooms, laboratories, a nursery and an auditorium. The building is a memorial to Henrietta Walden Myers, long-time teacher of arts and crafts at the institution.
 - The **Lyons Student Center**, erected in 1966, was named for Miss Lottie M. Lyons who served as Dean of Women from 1944 to 1957. This center of student life contains a snack bar, the post office, the bookstore and the offices of the Student Government Association.
 - The **Cozy L. Ellison Building** was constructed in 1967 and named in honor of Dr. Ellison, a long-time faculty member, Professor of Agronomy and Chairman of the Division of Agriculture. Classrooms, laboratories and shop areas provide space for the Agricultural Mechanics Program.
 - The **Horace Mann Bond Building**, named for the first president of Fort Valley State College, was constructed in 1976. Housed in the Bond Building are the Departments of History, Geography, Political Science, and Criminal Justice; Behavioral Sciences; Learning Support Services; and English and Foreign Languages.
 - The **O'Neal Building**, constructed in 1979, along with the adjacent O'Neal Annex, houses the Veterinary Technology Program. Mr. Otis S. O'Neal, for whom the building was named, was a county agent in Houston County, and also taught agriculture at FVSU from 1910 to 1950. Recent additions to the O'Neal Building have resulted in state-of-the-art facility of approximately 21,000 square feet.
 - The **Stallworth Agricultural Research Building** was named in honor of Dr. Houston Stallworth, Professor of Agriculture, who served the Division of Agriculture in many capacities, including Chairman of the Division. The facility, constructed in 1983, houses scientific research laboratories and other support areas.
 - The **C. W. Pettigrew Farm and Community Life Center**, completed in 1987, is a conference, convention and performing arts center in which the University sponsors a variety of outreach programs. The facility houses the Center's administrative offices, the Fort Valley University Cooperative Extension Program, the Extended Education and Outreach Office and the University of Georgia Cooperative Extension Service district office. The building also houses ten fully equipped seminar rooms; a specially designed media room; a demonstration kitchen for home economics and food technology workshops; a 600-seat auditorium with state-of-the-art systems for sound, lighting, and a video projection system; a video distribution system with computer/video projection

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systems in most of the rooms; a spacious lobby; a second-floor balcony, and a snack bar and holding kitchen that will accommodate 260 people.

- The **C. V. Troup Administration Building**, completed in 1988, houses the administrative offices of Academic Affairs, Student Affairs, Business and Finance, and the Office of the President.
- The **Hendricks House**, a showcase, post-antebellum home, near the intersection of Camp John Hope Road and Highway 341, was purchased by Fort Valley State University in 1989.
- The **Extension Service Communications Production Center**, a one-story structure, was completed in 1991. It is a 12,450 square foot facility well equipped for audio-video production, production-print layout and design, television production and dial-access information system.
- The **Computer Technology and Mathematics (CTM) Building**, completed in 1995, houses the Department of Computer Science and Mathematics, the office of the Dean of the College of Arts Sciences and Education, the Cooperative Developmental Energy Program (CDEP), and the University Computer Center. The CTM Building features an auditorium with a seating capacity of 295.
- The **Georgia Goat Research and Extension Center** is one of the most modern research facilities in the Southeast. In 1999, a major facility (15,000 square feet) which houses animal science research, teaching and extension programs, was completed and provides an abattoir, a large classroom, and three well-equipped laboratories.
- **Wildcat Stadium** is a facility which seats 4,578 spectators around a quarter-mile track and a natural turf football field. A small but modern press box overlooks the field with storage space and concession facilities located under the seating area. A fieldhouse/team dressing area is located at the south end of the stadium.
- The **Health and Physical Education Complex** is a state-of-the-art facility that provides support for the Health and Physical Education major, as well as for major and basic programs and recreational opportunities for the total University. This facility houses classrooms, seminar and conference rooms, laboratories, an eight lane swimming pool, a 5,000 seat arena, courts for basketball, badminton and an indoor walking track.
- **Other Land Areas and Facilities:** There are 450 acres of fertile land with sections or pockets of most major soil types found throughout the State of Georgia. Approximately 200 acres of this land is open, relatively flat and suitable for experimental plots. Irrigation is available on approximately 150 acres. All acreage is secured by a seven-foot security fence.

Other buildings which provide support services are the **Wilson-Roberts Building** constructed in 1969 and named for Mr. A. T. Wilson, Sr., teacher of Industrial Arts, and Mr. Timothy Roberts who served in the area of custodial services for many years. The **Florence J. Hunt Health Center**, built in 1973 in honor of Florence Johnson Hunt, wife of Mr. Henry A. Hunt, Sr. (the original Hunt Infirmary was constructed in 1934), is the University's health center. The African World Studies Institute and the Differently-Abled Services Center are also located in the Health Center. The comfortable and attractively decorated **Food Service Center** which was built in 1971 offers the appropriate atmosphere for regular dining, special luncheons and banquets.

Residence Halls

Fort Valley State University has thirteen residence halls with over 2,200 comfortable living spaces for students who prefer on-campus housing.

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- **Jeanes Hall**, a remodeled facility of the original frame structure built around 1900, is named in honor of the philanthropist, Anna T. Jeanes. The new building is more centrally located and was built in 1953.
- **William Madison Boyd Hall** was constructed in 1965 and named in honor of Dr. Boyd who was a dedicated professor of the Social Sciences.
- **John W. Davison Hall**, erected in 1948 and renovated in 1975, is named in honor of one of the founding fathers and the first principal of the Fort Valley High and Industrial School.
- **Sophia Moore Hall** was built in 1964. An annex was added in 1976. The main building and annex can accommodate 154 students. Ms. Moore was a Supervisor of Custodial Services, circa 1920 -1930.
- **Anthony D. Watson Hall** was constructed in 1965 and named for Mr. Watson who served the University as Superintendent of Buildings and Grounds for a number of years. The building was partially renovated in 1985.
- **Josephine Lewis Hall** residence hall, often called Josie Hall, was erected in 1969. It memorializes a woman who served this institution for many years as Residence Hall Director.
- **Ohio Hall**, presently used for document storage, was built in 1930 as a residence hall. Its construction was made possible through gifts from the Episcopal Diocese of Ohio, the American Church Institute, the General Education Board and other friends of the University.
- **The Wildcat Commons** provides apartment-style living for students. Phase I and II included five dormitory buildings and a clubhouse and was completed in 2007. Phase III added two more four-story buildings in 2009.

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UNIVERSITY SERVICES and RESOURCES

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Henry Alexander Hunt Memorial Library

Dr. Annie Payton, Director
Hunt Memorial Library
478-825-6342

Hunt Memorial Library is the main library and information service building on campus. The objective of the library is to enrich the learning capacity of students by providing print and non-print resources to support classroom experiences, with access to technology and electronic informational resources. A constant effort is made to promote the most effective use of library resources and services.



Electronic Services: The library building is semi wireless. Students can use their laptop computers anywhere on the second floor of the building where study rooms and study tables are located. Access to a computer lab for student use is available 24 hours a day, seven days a week. There are 55 computers in the lab, with access to the internet, 200 databases, Microsoft Office and email. This lab is extensively used by students and supported by the Department of Information Technology.

Virtual Library: Through collaboration and resource sharing, the library participates in the GALILEO project, a world wide web-based virtual library that provides access to multiple information resources, including secured access to licensed products. Participation allows access to over 200 databases, indexing thousands of periodicals and scholarly journals. Over 2000 journal titles are provided in full-text. Other resources include encyclopedias, business directories, and government publications.

Information Literacy: Bibliographic Information classes are conducted regularly, with training in the use of reference resources, databases and doing research. Developmental Studies classes are also conducted in the library to enhance student literacy.

Library Services: Reference, Circulation, Inter Library Loan (ILL), GIL Express, Reserves, Special Collection, University Archives, Media Services, GALILEO Resource Sharing and 24/7 Computer Lab.

Curriculum Materials Center (CMC) is one component of the library that provides resources for child development, early childhood education, and other educational programs. It is a collection of the State of Georgia's adopted textbooks and other supplementary materials, Pre-K through grade 12. It is located in the Education building under the jurisdiction of the College of Education.

Library Service Hours: The library is open 16 hours per day. The computer lab is open 24 hours each day, seven days a week.

8:00 a.m. - 12:00 a.m. Monday-Thursday

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8:00 a.m. - 5:00 p.m. Friday
1:00 p.m. - 5:00 p.m. Saturday
3:00 p.m. - 10:00 p.m. Sunday

Academic Success Center

Dr. Said Sewell, Executive Director
201 Royal C. Peabody Building
478-822-1070

The Academic Success Center (ASC) is a unit of the Office of the Vice President for Academic Affairs. Our mission is to provide professional advisement, counseling and academic support services that proactively address the needs of students matriculating through Fort Valley State University. The Center provides ongoing academic, personal, and professional advisement and referrals for students in order to enhance their educational progress toward graduation. This includes the tracking of HOPE scholars, establishing and maintaining mentoring relationships, providing students with up-to-date information about institutional policies and procedures, and providing workshops on study skills and time management skills that are often needed, but not always utilized. The Academic Success Center is a student's one-stop for all of the services offered on campus.

The Academic Success Center (ASC) offers a wealth of services to students as they progress through their respective degree programs at the University. A professional staff of four academic advisors and three counselors collaborate with faculty advisors in the academic departments and other university personnel to monitor class attendance, course enrollment, grades, and the successful achievement of specialized departmental requirements of each student. This is achieved through:

- Peer Tutoring
- Time Management Workshops
- Study and Note-taking Skills Workshops
- Registration Assistance and Schedule Adjustments
- Tutorial Services
- Academic, Personal, and Career Counseling Services
- Referrals to on- and off-campus resources
- Career Counseling

Presidential Scholars serve as peer tutors for students in need of academic assistance, as research and technical assistants in campus departments, as volunteers for campus and community enrichment efforts, and as hosts/ambassadors for distinguished campus programs and visitors. Presidential Scholars agree to provide 70 hours of service each semester and receive stipends for participating in the program.

Differently Abled Services (DAS) is a component of the Academic Success Center. The mission of the Differently Abled Services is to increase retention for students with learning disorders by ensuring equal treatment, opportunity, and access for persons with impairments and/or disorders, thus assisting in the attainment of their academic as well as personal potential.

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Section 504 of the 1973 Rehabilitation Act and the 1990 Americans with Disabilities Act define a Differently Abled person as someone with a physical or mental impairment that substantially limits one or more major life activities such as walking, seeing, hearing, speaking, breathing, learning, and working. Such a person must have a record of the impairment or be regarded as having such impairment.

Among the services provided are the following:

- Advocating with and for students with learning disorders on campus and in the community
- Promoting and initiating institutional initiatives to ensure complete environmental access to students with learning disorders and physical impairments.
- Distributing accurate information about learning disorders and serving as a liaison and resource for those who study the sociological, psychological, and environmental aspects of the culture of people with learning disorders.

Other services offered are: a quiet environment for exams; extended test/exam time, usually time and a half, but up to twice the typically allotted depending on individual diagnosis; individual academic, personal and vocational counseling; individual tutorial services; communication with faculty about learning disorder needs; peer support groups for the development of academic strategies and psycho-social adjustment; computer resources for additional academic development; audio versions books where available; new student orientation assistance; community referrals; family consultation with approval of the student and faculty and Staff Consultation.

Fort Valley State University will grant reasonable accommodations and provide appropriate auxiliary aids and services to ensure all qualified students achieve access to its programs and services.

Testing Services Center

Dr. Irene Nelson, Interim Director
215 Peabody Hall
478-825-6384

The primary mission of the Testing Service Center is to support the testing needs of the university and the surrounding community. The Center strives to create a testing environment that is conducive to the ultimate test performance of all test takers. The Center administers a variety of institutional, state and national standardized examinations throughout the academic year. Some examinations offered through the Testing Services Center are SAT I & II, ACT, GRE (Subject), LSAT, OPRAXIS, COMPASS, Accuplacer, and Regents' Test. The Center also makes tests and test preparatory information accessible to members of the university and the community at large. For more information on the services provided by the Testing Services Center, visit our webpage at www.fvsu.edu.

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Information Technology

Mr. Del Kimbrough, Director
118 CTM Building
478-825-6228

The Department of Information Technology provides technological support and leadership by assisting the University in realizing its academic mission and research goals. This support includes, but is not limited to, assisting with distance education, administrative applications, network maintenance and access, e-mail, hardware installation and maintenance, software installation and maintenance, training, website management and exploring and implementing new technologies.

In support of academic programs and to facilitate student access to computing technologies and facilities, more than 30 computing laboratories are located throughout the campus in the following buildings and departments: Gano, Health Services Center, Horace Mann Bond, Computer Technology and Mathematics, Hubbard Education, Hunt Memorial Library, Agricultural Engineering, Miller Science, Chemistry, Founders Hall, , Alva Tabor, Myers Hall, Veterinary Technology, Stallworth, Bywaters, Georgia Goat Research and Extension Center and the Warner Robins site.

Career Development Center

Ms. Romelda Simmons, Director
101 Peabody Building
478-825-6350

The mission of the Career Development Center is to provide a variety of career services that are designed to:

- assist students in analyzing interests, aptitudes, personal traits, desired lifestyles, educational and career goals (career counseling),
- provide students sufficient career and employment information so that they may understand the implications of their choice of program/major (career planning), and
- assist students in obtaining employment commensurate with their academic preparation, interests, capabilities, career and life goals (placement).

The following services are available:

- Career Services (Counseling)
- Placement Services
- Campus Interviews
- Position Vacancy Listings
- Job/Career Fairs
- Career Recruitment Programs
- Cooperation Education/Internship Programs
- Job Search Strategies Workshops/Seminars
- Alumni Services
- Full-Time/Part-Time and Summer Employment
- Teacher Recruitment
- Outreach Programs/Services
- Youth Motivation Task Force

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- Credential File Services
- Open Resume File
- Career Resource Library
- Graduate/Professional School Applications.

The Career Development Center is available to students, prospective students, alumni, faculty and staff of Fort Valley State University. The Career Resource Library contains an extensive collection of career resource materials/books, career decision making information, occupational resources, graduate/professional school information, school system literature, and information on companies, agencies, and corporations along with various career software (GCIS). All services offered by the Career Development Center are in accordance with the ethical standards of the National Association of College and Employers, and the National Cooperative Education Association.

The Differently Abled Services Center

Mr. Jerry Haywood
127 Peabody Building
478-825-6357

The mission of the Differently Abled Services Center is to increase retention and graduation rates for students with documented learning disorders by ensuring equitable treatment and access to all academic programs and facilities at Fort Valley State University. The Center serves as an agent for compliance with federal and state laws that mandate equal opportunity and access for persons with documented learning disorders.

Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 define a person with a disability as one with a mental or physical impairment that substantially limits one or more major life activities (walking, seeing, speaking, hearing, breathing, working, learning, and others). The person must have a record of such impairment or be regarded as having such impairment. All students must present records that document their learning disorder to the Differently Abled Services Center.

Examples of learning disorders are:

- Brain Injury
- Chronic Illness
- Motor Coordination
- Multiple Disorders
- Mobility Impairments
- Depression
- Attention Deficit Disorder
- Epileptic Seizures
- Attention, Deficit, Hyperactivity Disorder
- Multiple Sclerosis

Services provided for students with documented learning disorders and physical impairments include:

- Registration Assistance
- Computer Resources
- Orientation Services
- Assistive Technology
- Academic Accommodations
- Tutoring
- Note taking Service
- Advocacy

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- Individual Counseling
- Self-empowerment advisement
- Appropriate Referrals

Health Services Center

Mrs. JoAnne Nobles, Director
Florence J. Hunt Student Health Center
478-825-6278

The Florence J. Hunt Student Health Center is located across from the Home Management House and the Josephine Hall. The Center is staffed by the director, physician, two staff nurses, two nurse assistants and an office manager. The Center is open M-F (8:00 a.m. – 5:00 p.m.) while the University is in session and provides health care and services for students who register for six or more credits.

The Health Center provides proactive health promotion and prevention services, and medical/clinical services for the students. However, the prescription medications and other medical expenses are the responsibility of the students. Students are encouraged to obtain insurance to assist in defraying medical costs. Insurance forms may be obtained in Health Services.

All new students are required to provide evidence of inoculation for MMR1 and MMR2, the Hepatitis B series, Meningitis, Tetanus, TB Screening and Varicella (Chicken Pox). The University Health Services requires all these inoculations.

Campus Police and Safety

Mr. Kenneth Morgan, Director
Carnegie Hall
478-825-6211

The Department of Campus Police and Safety is a certified University Police Department which is committed to safeguarding the lives and property of the Fort Valley State University community. This is accomplished through vehicle and foot patrol 24 hours a day, seven days a week throughout the entire year. The Department is responsible for enforcing the University's policies on parking, drugs, and sexual assault.

The Department is staff with a Director, a Fire Safety Officer, Peace Officers, Criminal Investigators, Communications Officers and an Administrative Secretary.

University Bookstore

Mr. Jermaine Randall, Manager
Health and Physical Education Complex
478-825-6405

The University Bookstore is located in the Health and Physical Education Complex. Available items include textbooks, school paraphernalia, school supplies, cards, gifts, and snacks. Acceptable forms of payment are cash, checks, and debit and credit cards. The hours of operation are:

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Monday – Friday

9:00 a.m. – 5:00 PM

Saturday and Sunday

Closed; except for special occasions

The Public Service Center at the Evans Building

Ms. Joy Moten-Thomas, Director

478-825-6081

The Public Service Center at the Evans Building officially opened in March 1998 with the primary goal of creating positive outcomes for the University through academic and community development outreach programs. Today the Center boast a 21,500 square-foot facility with three floors, three fireproof vaults, a 1,500 square-foot basement, a spacious conference and training facility, an executive board room and a state-of-the-art technology laboratory. Community & Academic Outreach Programs housed at this facility are: Rural Business Outreach Institute, The Entrepreneur Center, the University Today Scholars Program and the Community Development Corporation, Inc. The programs provide outreach services to potential clientele that impact and foster the recruitment, enrollment and retention of traditional and non-traditional students, as well as the economic growth and development for future sustainability of the local community.

Admissions, Financial, and Related Information

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Admissions Requirements

Mr. Donavon O. Coley, Director of Admissions
130 C. V. Troup Administration Building
478-825-6672

Mission

To process efficiently, effectively and promptly, applications and notify future Wildcats in a timely manner while maintaining excellent customer service.

Application for Admissions

An applicant seeking admission to Fort Valley State University may apply on-line at <http://www.fvsu.edu> or www.GA411 or submit a written application by mail. The completed application, along with all supportive documentation, must be submitted no later than **20 days before the beginning of the semester** in which the applicant plans to enroll. *Applications received after this deadline will be processed at the discretion of the institution.* Applicants will receive official notification of their admissions status by mail.

Documents Required for Admission

The following documents, submitted to the Admissions Office, comprise a completed application packet:

- the completed official application form,
- a \$20.00, non-refundable application fee,
- official transcripts,
- official copies of the Scholastic Aptitude Test (SAT) or American College Testing Program (ACT) score,
- the student's immunization record, and

Applicants are notified of their admissions decisions soon after all required documents have been received. Upon acceptance to the University, first-time applicants must submit a final official high school graduation transcript before full acceptance to the University is granted. Transfer students must submit official transcripts from all institutions of higher education previously attended.

The College Preparatory Curriculum (CPC)

High school applicants are required to satisfy the College Preparatory Curriculum (CPC) for admission as a Regular Freshman. The CPC consists of the following courses of study:

English	Four (4) Units of Literature, Composition, Journalism, Speech, and Reading. (Courses in vocabulary development and creative writing are not acceptable as substitute courses.)
Mathematics	Four (4) Units of Algebra I, Algebra II, and Geometry
Science	Three (3) Units of Physical Science, Biology, Chemistry, or Physics (General Sciences is not an acceptable substitute course.)

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Foreign Language	Two (2) Units of foreign language (Both units must be in the same language.)
Social Science	Three (3) Units of American History, World History, Economics, or Government (World Studies, World Culture, Geography, Ancient and Medieval History are not acceptable substitute courses.)

CPC Requirements for Foreign Language

Students graduating high school with less than two units of the same foreign language will be required to complete one additional three semester hour (for institutional credit) introductory foreign language course.

The following provisions apply to the science, social science, and foreign language requirements. These additional required courses represent 9-11 semester hours of course work beyond the requirements for the program in which the student is enrolled. The student must earn a “C” or better in each of these courses.

Credit for Elementary-Level Language Courses

It is expected that students admitted to the University will have met the CPC requirements of two units of foreign language in the same language. Students who have not met the CPC requirement may register for the elementary-level course to satisfy the requirement with the understanding that (1) the course **will not** satisfy degree requirements, (2) the course and grade will appear on the student’s transcript, and (3) the grade awarded will be included in all grade point averages calculated. Furthermore, students taking 1001 to meet the CPC requirement cannot repeat that 1001 course to meet the degree requirements.

Students may register for and receive degree credit for the first elementary foreign language courses, numbered 1001, if they are not using the course to satisfy the CPC requirement and have not taken or have taken only one year of this language in high school. **The language sequence for students who have met the CPC requirement is 1002 followed by 2001, in the same language.**

College Preparatory Curriculum Policies and Procedures (CPC)

Each applicant's transcript will be carefully analyzed to determine if he/she has met requirements for the College Preparatory Curriculum. Students with deficiencies will be required to satisfy course work to be fully admitted to the University. The status of enrolled students with outstanding CPC deficiencies will be monitored by their CPC advisors. **All outstanding CPC deficiencies must be met within the first 30 semester hours of enrollment to avoid a mandatory reduced course load.**

Categories of Admission

Regular Freshman Admissions (First-Time Freshman) - Students who achieve the minimum score of 1940 on the Freshman Index are granted **Regular Freshman Admissions**. The Freshman Index is calculated as follows:

$$FI = (500 \times \text{High School GPA}) + \text{SAT I Verbal} + \text{SAT I Math}$$

OR

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$$FI = (500 \times \text{High School GPA}) + \text{ACT Composite} \times 42 + 88$$

SAT Scores + High School GPA x 500 must be greater than or equal to 1940

For Regular Freshman Admissions, students must satisfy the CPC requirements. The minimum acceptable high school grade point average is 2.25 (on a 4.0 scale) and the minimum acceptable SAT score is 430 on the Verbal and 400 on the Mathematics (or minimum ACT scores of 17 in English and 17 in Math). Students with a GPA less than 2.25 must score higher than 430 verbal and 400 math on the SAT, or higher than 17 English and 17 Math on the ACT, to qualify for Regular Freshman Admission.

Freshmen Limited - A limited number of students whose SAT or ACT scores indicate less than adequate preparation for Regular Freshman Admissions standing will be admitted to the University. They will be required to take the COMPASS. Students enrolled in the Learning Support Program take preparatory course work and qualifying examinations to assist them in meeting the requirements for Regular Freshman Admissions standing.

Non-Traditional Freshmen- Applicants who have been out of high school or whose high school class graduated at least five years ago from an accredited or approved high school or have satisfactorily completed the GED are considered *Non-Traditional Freshmen*. Also, applicants in this category who have attended college must have earned fewer than 30 semester hours of transferable credit and have not attended college within the past five years.

Applicants eligible for review in this category are exempt from the SAT/ACT and College Preparatory Curriculum (CPC) requirements. However, students admitted in the non-traditional category must take the COMPASS.

Transfer Students - Students who seek admission to the University after matriculating at a different institution are termed *Transfer Students*. Transfer students are considered for admission subject to certain conditions. Transfer students who are admissible to the University must:

- Transfer from a fully accredited college or university.
- Have a cumulative grade point average of 2.00 or better (computed on all hours attempted at previously attended colleges and/or universities).
- Submit official transcripts from all institutions of higher education previously attended.

Transfer applicants who have less than 30 semester hours (45 quarter hours) of acceptable transfer credit must meet Freshmen Admission Requirements and submit SAT or ACT scores. Fewer than 30 semester hours of transfer credits from a fully accredited institution may be accepted, based on a 2.00 cumulative grade point average.

Credits earned at accredited technical colleges transfer only if they were taken in a specific college transfer program. Students enrolling from a regionally accredited technical college or vocational school in a "non-college transfer program" must meet the requirements for regular freshman admission.

Post-Secondary Options (PSO) Program

The Post-Secondary Options (PSO) Program, also referred to as the *Joint Enrollment Program* is an opportunity for academically talented high school students in the Middle Georgia area to earn university credits while still in high school.

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PSO Eligibility Requirements

- High School academic GPA of 3.0 in courses used to satisfy the required College Preparatory Curriculum (CPC) units.
- A score of 970 on the SAT (with at least 430 Verbal/400 Math) or 20 on the ACT (with at least 17 English/17 Math) with the following exceptions:
- Students with SAT I Verbal scores of at least 530 or ACT English scores of 23 who have not completed the final unit of high school English and /or social studies may be permitted to fulfill these high school requirements with the appropriate college courses taken through the joint enrollment program.
- Students with SAT I Math scores of at least 530 or ACT Math scores of 22 who have not completed the final unit of high school mathematics may be permitted to fulfill these high school requirements with the appropriate college courses taken through the joint enrollment program.
- Completion of College Preparatory Curriculum requirements in English, mathematics, natural science, foreign language and social science (with the noted exceptions under SAT and ACT scores).
- Written recommendation from your high school principal or counselor
- Written consent of parent or guardian

Special Provisions and Requirements

Advanced Placement - High school students who score a three (3) or better on the College Board Advanced Placement Test may be eligible to receive college-level credit. Final determination of credit award is made after results have been evaluated by the University.

Home Schooled Students - Applicants from home school programs may be considered for admission if they meet criteria established by the University System of Georgia www.usg.edu and Fort Valley State University www.fvsu.edu.

- The following items must be submitted with the application for admission in order to be evaluated:
- official SAT or ACT Score - Minimum total SAT score of 897 (at least 430 Verbal and 400 Math), ACT (17 English and 17 Math),
- immunization records,
- official transcripts from any public or private high school and colleges attended,
- copy of the Declaration of Intent to Home School filed with the local Board of Education,
- a portfolio that demonstrates satisfactory completion of the College Preparatory Curriculum (CPC) required for admission of traditional high school graduates:
- 4 Units of English
- 4 Units of Math (Algebra I, Algebra II, Geometry, 4th Unit of Advanced Math; Algebra, Trigonometry, Pre-Calculus, Calculus)
- 3 Units of Science (Physical Science, Laboratory Science)
- 3 Units of Social Science (American History, World History, Economics, Government)
- 2 Units of Foreign Language (2 Years of the Same Language)
- Students may use college course work, SAT II and Advance Placement scores to verify CPC requirements.
- letter certifying completion of high school course work and a date of graduation, and
- at least 2 letters of recommendation for admission from non-family members (clergy, employer, etc.)

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- Official documentation must include information about each individual course used to satisfy CPC requirements, the amount of credit earned per course, course syllabus, textbooks used, level of performance (grades), and outcomes assessment.
- Extra-curricular activities and/or academic achievements may be included to support academic preparedness for college.

International Student Undergraduate Admission

Eligible international applicants will be admitted only after the following original or certified true copies of documents (including official English translations, if necessary) are in the applicant's file:

- the *International Student Application for Undergraduate Admission*. Please complete and return to the Office of Admissions, Fort Valley State University, 1005 State University Drive, Fort Valley, Georgia 31030, U.S.A., with the nonrefundable **\$75.00** USD application fee (check or money order only made payable to "**Fort Valley State University**").
- transcripts from all secondary and post-secondary institutions attended.
- diplomas, leaving certificates, examination certificates and degrees earned.
- one letter of recommendation.
- Test of English as a Foreign Language (TOEFL) score if first language is not English, unless the English requirement has been completed at an accredited U.S. institution.
- If applicant intends to participate in NCAA athletics and has not received eligibility clearance from the NCAA:
 - SAT or ACT scores are required
 - Educational History Form
 - If applicant has been an international student at an institution in the United States:
 - Transfer Verification Form
 - Current Visa, I-20, and ID page from passport.
 - Students admitted to FVSU without SAT scores are required to enroll in a course with English as a second language and take the Math portion of the COMPASS.

Student NOT Eligible for Scholarship funds for the first year.

The U.S. Immigration and Naturalization Service (INS) Form I-20 AB will be issued only after the following original documents are in the applicant's file and the applicant has been admitted to Fort Valley State University:

- Confidential Financial Statement
- Official Bank Statement or Letter
- If a FVSU Scholarship Student, the Students Official Scholarship Award Letter and/or Grant-in-Aid Form with Specific Dollar Amount Awarded
- If a Government-sponsored Student, Official Sponsorship Certification
- **If an Athlete, NCAA Clearinghouse Certification (Since originals take two weeks to arrive, faxed copies are acceptable.)**
- **Immunization Form**
- **Health Examination**

U.S. Federal law explicitly requires all items in BOLD (and implicitly requires all items not in bold) to be in the applicant's file prior to issuing the I-20.

Senior Citizens - In compliance with the provisions of the Georgia Constitution Amendment 23, persons 62 years of age or older may enroll on a "**space available basis**" as regular or auditing

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students in university courses offered for resident credit, without payment of matriculation fees. Students enrolling in this status must pay for supplies and laboratory or shop fees. To be eligible for enrollment, such persons must be residents of Georgia and be 62 years of age or older at the time of enrollment as verified by a submitted birth certificate or other comparable written documentation. Proof of age is required to enable the institution to determine the person's eligibility to enroll. Applicants must meet all System and institution undergraduate or graduate requirements.

(MUST Apply in the Registrar's Office except for students applying for fully online or remote site programs)

Transient Students - Students who are regularly enrolled in another accredited institution with an academic record of satisfactory or superior quality and ordinarily expect to return to that institution, may apply as a transient student.

- Transient admission will be granted for one academic semester only and students ordinarily return to their home institution.
- Students desiring to continue their enrollment at Fort Valley State University beyond that point must apply for admission as a transfer student and comply with transfer student admission requirements.
- Students in remedial or developmental studies, on scholastic probation, academic suspension or disciplinary suspension may not be eligible for consideration.
- Applicants for transient admission must present a statement of good standing from the registrar of the institution where they are regularly enrolled, which clearly states their current academic status and recommends their acceptance.
- Fort Valley State University will consider accepting transient student applications only when their admission will cause no hardship or inconvenience to either the University or its regularly enrolled student body.
- Transient applicants must also submit an undergraduate application, application fee, and provide Immunization Records.

(MUST Apply in the Registrar's Office except for students applying for fully online or remote site programs)

Readmission Requirements - Students who have attended another college or university since their last enrollment at Fort Valley State University, regardless of the length of time away from FVSU, must submit an application for readmission through the Office of Admissions. Likewise, any former students whose attendance has been interrupted for one semester, excluding summer school, are required to complete and submit an application for readmission. The application for readmission must be received in the Registrar's Office at least 30 days prior to the beginning date for the semester in which enrollment is desired. The application form for readmission is provided by the Office of the Registrar and should be returned to the Registrars' Office when completed.

Veteran Students - To enable veterans to apply for formal educational programs leading to the award of a degree, the University System is able to grant academic credit according to the recommendations listed in *A Guide to the Evaluation of Educational Experiences in the Armed Services*, which is published by the American Council on Education. The following guidelines and requirements are set for students who receive Department of Veterans Affairs (VA) Benefits under Provisions of Chapter 30, 31, 32, or 35, Title 38, or Chapter 106, Title 10, U.S. Code. Failure to comply with these guidelines may result in the termination of benefits.

Any student expecting to receive VA Educational Benefits is required to enroll with the Office of Financial Aid and Veterans Affairs prior to the close of registration for a given semester. VA benefits are provided for courses of study which have been noted on VA Form 22-1990 or 22-5490. Students will not be certified to receive VA Benefits for courses of study not identified on this form. A veteran (or his/her dependent) desiring to change his/her major, must, for VA

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purposes, complete VA Form 22-1995 or 22-5490 (which may be obtained from the Office of Financial Aid and Veterans Affairs) and submit it to the Veterans Administration; a copy of the form must also be filed with the Veterans Affairs Officer on campus. If the student has received pay for the number of required elective courses, he/she will not be eligible to receive VA funds for his/her enrollment in additional elective courses except by written consent of the U. S. Department of Veterans Affairs.

Eligible veterans may receive equivalent credit for physical education activity courses upon presentation of a copy of his/her separation papers (DD-214) to the Office of the Registrar. Still, a veteran has the option to enroll in these activity courses without receiving equivalent credit, if desired. Once credit is awarded for these activity courses based on military service, they may not be taken as electives. Independent study courses are not approved for VA Benefits. Veterans are limited in terms of the number of hours that may be attempted in remedial courses.

VA Tutorial Assistance - An eligible veteran (other than an in-service student enrolled under the Pre-discharged Education Program) who has a deficiency in a unit subject required as part of, prerequisite to, or indispensable to the satisfactory pursuit of his or her approved program and who is pursuing a post-secondary degree, may receive an allowance for reimbursement or individualized tutorial assistance necessary to correct the deficiency. Tutorial assistance is available only to veterans who require it to avoid failure, not for those who desire it to improve their academic standing. Students must receive clearance from the Veterans Affairs Officer prior to receiving tutorial assistance in order to receive certification for reimbursement by the institutional certifying official.

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Fort Valley State University

Financial Information

Mr. Arthur Henderson, Vice President for Business and Finance
314 C. V. Troup Administration Building
478-825-6400

Fort Valley State University receives a portion of its operating funds from state appropriations through the Board of Regents University System of Georgia. This arrangement enables the University to offer high quality educational programs to its students at a reasonable cost.

Registration for classes is considered complete only after students have paid their tuition and all mandatory fees that are required. Students are permitted to attend classes once their financial obligations have been met. Fort Valley State University reserves the right to withhold all records (diplomas, transcripts, etc.) and/or revoke enrollment of students who fail to meet financial obligations to the University. Fees and charges may be paid by cash (Do Not Mail Cash), cashier's check, certified check, money order, travelers check, Visa or MasterCard. Remittance should be made payable to Fort Valley State University and addressed to Fort Valley State University, **Attn:** University Cashier, 1005 State University Drive, Fort Valley, GA 31030. Credit card payments may also be made by phone (478 825-6433) or logging into your BannerWeb account.

Enrollment Classifications

Students with an academic schedule of 12 or more semester hours are classified as *full-time* enrolled. *Part-time* students carry an academic load of 11 or fewer semester hours. Undergraduate tuition and fees are based on different fee structures from graduate tuition and fees. More detailed information regarding graduate tuition and fees may be found in the Graduate Catalog.

Tuition and Fees

Fort Valley State University, as a unit of the University System of Georgia, is a state-supported institution. As such, tuition and fee rates are set by the University System of Georgia. The University reserves the right to change its fees/charges at the beginning of any semester. It is the students' responsibility to know the fees in effect for the semester during which he/she is enrolled. For up-to-date fee information, including e-tuition for fully online classes, contact the Office of Business and Finance. Board of Regents policy states that "**all tuition and fees are due and payable upon registration.**" **Personal deferment of tuition and fees is not allowed.**

Other Expenses

- **Books** - The estimated cost for books is \$500 per semester.
- **Late Registration Fee** -This fee is charged when students enroll after the published enrollment date(s). A late fee of \$35.00 is payable on the first day, increasing \$10.00 per day on the second and each subsequent day, not to exceed a total of \$65.00.
- **Auditing Fee** - Any regular student may elect an audit grading status enrollment. The fee assessment is the same as for regular enrollment status.
- **Campus Housing Deposit** - Payment of a \$200.00 fee (\$150.00 deposit and \$50.00 security deposit) is required by **July 19th** to reserve housing in a campus facility. The \$150.00 is deducted from the student's housing bill. The \$50.00 security deposit serves as a room damage deposit for enrolled students and may be used to pay any damages or

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fees due the University. No portion of the housing deposit is transferable. The deposit will be refunded only if no space is available or upon graduation or permanent departure from the residence halls.

- **Transcripts Fees** - Students who wish to obtain copies of their academic records should direct requests to the Registrars' Office. Each additional transcript is \$3.00; a transcript request form is available at: <http://www.fac.fvsu.edu/aa/admissions/index.htm>. Anyone wishing to obtain an official copy of his/her transcript on the same day will be charged a "same day service" fee of \$10.00. This charge is in addition to the \$3.00 transcript fee.
- **Graduation Fee** - Undergraduate students are assessed a graduation fee of \$50.00 with \$10.00 of this amount being used for *Senior Week* activities. Graduation fees for graduate students are \$60.00. ***In the event that the applicant does not meet all degree requirements for the commencement for which the graduation fee was originally paid, the student must reapply for graduation and pay another graduation fee.***
- **Late graduation application penalty.** Students who do not complete their applications for graduation by the published deadline will be assessed a penalty of \$35.00 the first day and an additional \$10.00 per day thereafter, not to exceed \$65.00.
- **Music Fee** - Private instrumental and voice lessons are available at a charge of \$30.00 per clock hour.
- **Meals** - Students are responsible for their meals prior to the official enrollment and payment of room and board.
- **Uniforms for Physical Education** - First time students must pay \$60 for uniforms for Physical Education.
- **Vehicle Registration** - An annual fee is required for all motor vehicles operated or parked on the campus: \$50.00 for faculty, staff, administrators and students per semester; \$75.00 for reserved parking spaces per semester. \$25.00 per semester for students
- **Post Office Box Rental** - A fee of \$20.00 is charged to rent a campus post office box.
- **Returned Check Penalties** - The maker/student will be assessed \$28.00 or five percent (5%), whichever is greater, for handling insufficient funds (returned) check. If the returned check involves the payment of FVSU registration fees, a \$65.00 late registration fee will be assessed.

Refund Policy

Regulations of the Board of Regents of the University System of Georgia provide for tuition and mandatory fee refunds when **formal withdrawal** from the Institution is approved within a designated period following registration.

The refund percentage that a student receives is a calculation of the time remaining in the semester up through 60% of the semester. Once 60% of the semester has expired, there is no refund for a withdrawal from the Institution. The refund calculation is based on days enrolled in the semester divided by the number of calendar days in the semester including weekends and holidays, but excluding breaks of five (5) or more consecutive days.

A refund of all semester tuition and other mandatory fees is made in the event of death of a student any time during an academic semester.

A student who officially withdraws from all classes after the first official day of classes must complete the University's formal withdrawal process to obtain a refund. **Any student who wishes to withdraw from the institution must secure a withdrawal form from the Office of the Registrar and obtain signatures from each office noted on the form, including the Business Office and the Office of Financial Aid. No refund will be made to students who drop a course.**

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Students attending an institution for the first time who receive assistance under Title IV of the Higher Education Act of 1965 as amended are entitled to a *prorata* refund of that portion of the tuition, fees, room and board, and other charges assessed the student by the institution equal to that portion of the period of enrollment for which the student has been charged that remains on the last day of attendance by the student up to the sixty percent (60%) point (in time) in the period of enrollment. Refund proceeds from Federal loans will be returned to the applicable lending institution per Federal regulations.

Residential Status

A **Georgia Resident** is one who has been legally domiciled in the state continuously for a period of not less than 12 months prior to the date of registration. It is expected that the person will maintain continued residence in the state of Georgia even during periods when he/she is not enrolled at the University. Evidence that Georgia is a student's legal residence may be provided using the following:

- Payment of Georgia income taxes
- Payment of property (ad valorem) taxes
- Ownership of home or real estate property
- Long term military commitment in Georgia
- Admission to a licensed practicing profession in Georgia

Changing Resident Status. Students who are not legal residents of Georgia are required to pay non-resident rates. If their visas or parents' states of legal residence change, students may file a petition for changing their residence status. The burden of proof is the student's responsibility. The *Petition for Georgia Residence Classification* and supporting documentation must be filed at least one month in advance of the semester in which enrollment with a change in residence status is desired. Failure to meet this deadline does not guarantee that a decision will be made in time for registration. If the residence petition is approved, classification as a legal resident for fee payment purposes will not be retroactive to previous periods of enrollment. The Petition for Georgia Residence Classification can be obtained for the Office of Admissions.

Regents' policies do not recognize the following as evidence of residency: voter registration card, leases for living quarters, automobile registration, addresses on driver's licenses, in state bank accounts, or positions in which students are often employed.

Military Personnel. Fort Valley State University may waive out-of-state tuition and assess in-state tuition for military personnel and members of the Georgia National Guard, their spouses, and their dependent children stationed in Georgia and on active duty. The waiver can be retained by the military personnel, their spouses, and their dependent children if the military sponsor is reassigned outside of Georgia, as long as the student(s) remain(s) continuously enrolled and the military sponsor remains on active military status." (Board of Regents Policy Manual, Section 704.041)

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Student Financial Aid

Ms. Freida Jones, Interim Financial Aid Director
119 C. V. Troup Administration Building
478-825-6363

The primary purpose of the federal student financial aid programs at Fort Valley State University is to provide monetary assistance to eligible admitted students who will benefit from post secondary education but could not do so without assistance. Each student is assisted based on eligibility determined by completing the Free Application for Federal Student Aid (FAFSA). **The priority deadline for submitting the FAFSA application every year is April 15th.**

Federal student aid programs are administered in conjunction with nationally established practices and philosophies of Title IV funds for education. The basis of this philosophy is the belief that, “the family is the primary source to help students pay for their education”. Consistent with an equitable approach to awarding student financial aid, a systematic method of determining a family’s financial strength and a student’s need is employed.

Fort Valley State University participates in all Federal Title IV Programs and administers several scholarships and loans. They are listed below:

- Federal Pell Grant
- Federal Supplemental Educational Opportunity Grant (SEOG)
- Federal College Work-Study
- Federal Perkins Loans
- Federal Subsidized and Unsubsidized Stafford Loans
- Institutional Work Aid
- James H. Porter Scholarship
- FVSU Presidential Scholarship
- Georgia Hope Scholarship
- Federal PLUS Loan

Funding for most of the federal aid programs is limited. Students with complete files, who meet the priority deadline, are the first to be considered when awarding these limited funds. For additional information on these and other scholarships, please visit the Financial Aid Scholarship information page at the University’s website at www.fvsu.edu.

Awards are based on enrollment status. Students enrolled less than half time (less than 6 credit hours for undergraduate level students and 5 for graduate level students) are not eligible to participate in the student loan programs. Awards are made based on full-time enrollment. Awards will be adjusted if students are not enrolled full time.

Students should also meet and maintain all program eligibility requirements, have established financial need and be enrolled in a program that will award a degree. Additionally, aid recipients are required to maintain satisfactory academic progress requirements.

Satisfactory Academic Progress (SAP) Policy for Student Financial Aid Recipients

In accordance with the Higher Education Act of 1965, students must maintain satisfactory academic progress, both in quality and quantity, to qualify for, and continue to receive Title IV Federal Financial Aid. The Satisfactory Academic Progress standards for financial aid recipients at Fort Valley State University are as follows:

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Undergraduate Students

Qualitative

All students are expected to maintain the satisfactory academic progress standards outlined below. Any student who fails to meet these standards will be reviewed by the OSFA. A student receiving financial aid and placed on academic suspension will have his/her financial aid terminated. A financial aid applicant placed on financial aid suspension is not eligible for financial aid.

Attempted Hours

- 0-29 Credit Hours 1.7 GPA
- 30-59 Credit Hours 1.8 GPA
- 60-89 Credit Hours 1.9 GPA
- 90 or more Credit Hours 2.0 GPA

Quantitative

In addition to maintaining the specified grade point average, a student must complete his/her degree within a maximum time frame and successfully complete a minimum percentage (67%) of hours each academic year.

1. The maximum time frame allowed is 150% of the number of semester hours required to earn the degree. For example, if you are pursuing a degree which requires 120 semester hours, you may not receive financial aid after you have attempted 180 hours.
2. Students must successfully complete 67% of the courses for which he/she registers during the academic year. The grades of A,B,C,D or S count as the successful completion of a course.
3. The grades of F,W,WP,WF,I,IP, or U, do not count as the successful completion of a course.
4. At the end of each Spring Semester, those students who have not successfully completed 67% of their courses during the last three terms (Summer, Fall, Spring) will have their financial aid terminated effective the next semester.

Financial Aid Probation

1. A student will be placed on financial aid probation the first time the cumulative GPA falls below the minimum specified in the table or fails to complete 67% of courses attempted.
2. A student on Academic Probation will remain on probation and eligible for financial aid as long as the student successfully completes 100% of courses attempted with a minimum 2.5 GPA.
3. Students on Financial Aid Probation are required to register with the Counseling Center after completing a contract with financial aid. While registered with the Counseling Center, students will attend workshops on Study Skills and Time Management. Failure to meet the terms of the contract or show significant academic improvement will result in Financial Aid Suspension.

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Financial Aid Suspension

1. Students suspended from financial aid for not meeting satisfactory academic progress may appeal to the financial aid director. Appeals not submitted before the start of the semester may not be acted upon in time for enrollment in the current semester.
2. If an appeal is granted, the student will be placed on financial Aid probation until the end of that semester in which the appeal was granted.
3. If the student is still not making progress at the end of the Semester, will be placed on Financial Aid Suspension.
4. Once a student has attempted 150% of credit hours required for his/her degree, the student is no longer eligible to receive Federal Title IV Financial Aid.
5. A student terminated from aid for failure to exit Learning Support may apply for reinstatement of aid when he/she has exited Learning Support courses.

Monitoring of Satisfactory Progress

At the end of each spring semester, students not successfully completing 67 percent of their credit hours during the previous academic terms (summer, fall, spring) will receive a notice through Banner Web.

Students who apply during the academic year will have their academic progress status checked before an award is made.

Graduate Students

In addition to the quantitative standards required for undergraduates, graduate students must maintain a minimum cumulative grade point average of 3.0 to be eligible for financial aid.

Remedial Coursework

No student may receive financial aid for more than 30 semester hours of remedial coursework, which includes all College Preparatory Curriculum, Learning Support courses, RGTE 0199, RGTR 0198, RGTE 0198 and RGTE 0199; however, students who are required to take remedial course work will be eligible to have their maximum time frame extended by the number of remedial hours taken, up to a maximum of 30 hours.

Summer Semester

Courses taken during a summer semester are treated as any other semester.

Transfer Students

Transfer credits will not be used to determine a student's 150% time frame beginning Academic Year 2000-2010.

Repetition of Courses, Withdrawals and Incompletes

Students should be careful in repeating courses as all attempts at a course are counted in the maximum hours allowed to obtain a degree. Students are reminded that withdrawing from a course does not count as successful completion. Excessive Incompletes can result in the termination of financial aid.

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Appeals

Any student wishing to appeal may do so by completing a Satisfactory Academic Progress Appeal form. A brief explanation along with any supporting documentation must be provided. The OFSA may consider the death of an immediate family member, documented medical emergencies or other extenuating circumstance.

Scholarships, Awards, and Prizes

In addition to financial aid awards, the University provides the following opportunities to qualified students:

- **James H. Porter Scholarship** - The University awards 20 James H. Porter Scholarships annually to students who: (1) have an SAT composite score of at least 1,000, (2) have a high school grade-point average (GPA) of at least 3.0 as an incoming freshman or have a 3.3 GPA as an upperclassman, and (3) are residents of Georgia. Applicants with previous college experience must meet the same requirements as incoming freshman and have a GPA of 3.3 or better. This scholarship is administered by the Financial Aid office.
- **The FVSU Presidential Scholarship** - The FVSU Presidential Scholarship is awarded on a competitive basis to entering freshmen who meet the following criteria: (1) high school GPA of 3.00 or better on a 4.00 scale; (2) SAT (or ACT compatible) score of 1100 or better; (3) no CPC deficiencies; (4) receipt of special achievements or honors; (6) recommendation by the Office of Admissions and Recruitment of the University, as well as three personal letters of recommendation. The scholarship covers full support of direct costs, tuition and fees and room (double occupancy) and board to the University. This scholarship is administered by the Financial Aid Office. Georgia residency is not required to qualify for a Presidential Scholarship.
- **The Cooperative Development Energy Program Dual-Degree Scholarships** - The Cooperative Development Energy Program (CDEP) of Fort Valley State University, in collaboration with the University of Oklahoma, the University of Nevada at Las Vegas, Georgia Institute of Technology, the University of Texas-Austin and the University of Texas-Pan American, provides five-year full scholarships to students who qualify and pursue dual degrees in the following disciplines: mathematics and engineering (civil, computer, environmental, electrical, mechanical, or petroleum); or in biology and health physics; or chemistry and health physics; or mathematics and health physics; or chemistry and geology; or mathematics and geophysics. To meet minimum qualifications, each student must have a combined SAT score of 1100 or 26 on the ACT with a GPA of "B" or above. Students are also eligible to compete for lucrative internships with energy companies and governmental agencies that may exceed \$3,100 per month. Because certain stipulations must be met, scholarships are contractual. Scholarships are valued at \$30,000 and above.
- **The Thurgood Marshall Scholarship Fund (TMSF) Scholarship** - The TMSF Scholarship is a national merit and need-based scholarship program. A maximum of \$2,200 per semester may be awarded to eligible students. The criteria and application forms are available at: www.fvsu.edu/forms/tmsf_application.doc.
- **Athletic Scholarships** - Athletic Scholarships are awarded by the Athletic Department in accordance with the rules and regulations of the Southern Intercollegiate Athletic Conference and the National Collegiate Athletic Association.

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- **Army Reserve Officers' Training Corps (ROTC) Scholarships** - The Army ROTC Scholarship Program offers financial assistance to outstanding young men and women. Each scholarship pays tuition or the cost of room and board, labs and other associated fees, a book allowance of \$1200 per academic calendar year, plus a subsistence allowance of \$3,000 per year (\$300 per month), unless otherwise noted. The Army ROTC offers a variety of scholarships including the following:
 - **Four-Year National** open to all qualified high school students accepted to any four-year college/university with a ROTC program.
 - **Four-Year Historically Black College/University (HBCU)** open to all qualified high school students who are accepted to any HBCU with a ROTC program.
 - **Four-Year Green to Gold** open to Army veterans attending college after a completed enlistment in the Regular Army. Veterans who plan to attend an HBCU may be released early from active duty.
 - The minimum requirements for these scholarships are: a minimum GPA of 2.5, U.S. citizenship, must be at least 17 years old by October the year of the award and no older than 30 at graduation from college, be a high school graduate or equivalent, have a combined score of 920 on the SAT(Critical Reading and Math) or a composite score of 19 on the ACT; pass a military physical and a physical fitness test. **Deadlines: Application must be submitted by 10 January for national consideration.** Other scholarships include: Four, Three and Two-Year Campus-based Awards (for later submissions or for those requiring waivers), and Two-Year Leaders Training Course Awards.
- **The HOPE Scholarship** - The State of Georgia offers tuition scholarships plus \$150 per semester for books to undergraduate students who have the following qualifications: (1) are legal resident of Georgia, (2) are 1993 (or later) graduates of an eligible high school, and (3) have a high school average of "B" or better. The scholarship may be renewed for the sophomore, junior and senior years if a 3.0 cumulative grade point average is maintained. The program is administered by the Financial Aid Office. Additionally, students not awarded a HOPE Scholarship upon entrance into the University as freshmen may apply as sophomores or juniors, provided they are residents of Georgia and have a cumulative GPA of at least 3.00.
- **The HOPE Teacher Scholarship** - The State of Georgia offers scholarships (forgivable loans) to individuals seeking advanced education degrees in certain critical fields of study. To be eligible the student must: (1) be a legal resident of Georgia and (2) be admitted into a graduate school as a full degree-seeking student or into an advanced education degree program. Certain exceptions are made for some approved non-degree programs. Awards are \$125 per semester hour.
- **Band and Music Scholarships** - The University awards scholarships to selected members of the FVSU Marching Band. Music scholarships are highly competitive and are awarded to music students of superior ability. This scholarship program is administered by the Band Director and the Coordinator of the Music Department.
- **John Amos Scholarship** - Mr. John Amos of Perry, Georgia, contributes \$4,000 annually to FVSU for scholarships. These resources are awarded to students who have demonstrated financial need and academic promise, with priority being

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given to band students and English majors.

- **The Benjamin S. Anderson Scholarship** - The Fort Valley State University Agriculture alumni award a scholarship to the incoming freshman student in Agricultural Instruction who meets the following standards: (1) has demonstrated academic excellence by possessing a cumulative high school grade point average of B or above, (2) has gained knowledge and skills through the high school Supervised Occupational Experience Program, (3) has exhibited leadership skills in the FFA and other school and community organizations. Applications and further information may be obtained from the Coordinator of Agricultural Education.
- **The B-P-R Scholarship Fund** - Each academic year two scholarships are awarded to prospective majors or majors in the social sciences (criminal justice, history, political science, psychology, sociology, and social work). Each award is semester tuition for a Georgia resident. Each award is for scholastic achievement rather than financial need. A student is also eligible to receive other financial grants/scholarships. In order to receive the award, high school seniors or students enrolled at Fort Valley State University must have a "B" average or better or a 3.0 GPA or better on a 4.0 scale. The student who maintains the minimum GPA of 3.0 is eligible to continue the scholarship award through graduation. An application is required.
- **Genevieve Knight Mathematical Science Scholarship** - This endowed scholarship is awarded annually to an African-American senior female student majoring in mathematics and holding a minimum GPA of 3.70. The recipient must be accepted as a graduate student and demonstrate the intent of pursuing a doctorate in mathematical sciences with the goal of become a teaching professor. The scholarship is named after the FVSU alumnae and donor who followed the same career path.
- **The Bibb Distributing Company Scholarship** -The Bibb Distributing Company of Macon, Georgia, awards a \$1,000- \$1,500 scholarship each year to a student who has an academic major in business and economics, a minimum 3.00 cumulative average, established financial need, and is a resident of either Bibb or Jones County.
- **The Ty Cobb Educational Scholarship** - Students who maintain at least a "B" cumulative average and have completed at least one year of academic work, are unmarried and are residents of Georgia may apply for the Ty Cobb Scholarship from the Ty Cobb Foundation through the Financial Aid Office.
- **The Delta Sigma Theta Sorority (Fort Valley Alumnae Chapter) Scholarship** - Each year the women of the Fort Valley Alumnae Chapter of Delta Sigma Theta, Inc. award a one-year, full tuition scholarship (\$1,500) to a deserving incoming freshman from the Middle Georgia area. The sorority selects the recipient based on academic achievement, test scores, and financial need.
- **The Delta Sigma Theta Sorority (Macon Alumnae Chapter) Scholarship** - Each year the women of the Macon Alumnae Chapter of Delta Sigma Theta Sorority contribute \$1,000 to FVSU for scholarships for deserving students who have established financial need, demonstrated excellent academic promise and are U.S. citizens and residents of Bibb, Jones or Baldwin County.
- **The Fort Valley Area Alumni Center, FVSU National Alumni Association** - A full tuition scholarship for one year, is offered to a deserving student from the Middle Georgia counties to attend FVSU. It is open to anyone regardless of race, nationality, creed or gender. The main criteria are grade-point average and financial need.

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- **The Odess E. Hicks Memorial Scholarship** -The purpose of this scholarship is to help underwrite study abroad programs and to aid worthy students wishing to major in foreign languages. The concept of the scholarship is in keeping with the philosophy and ideals that Dr. Hicks promoted in the area of modern language studies. This scholarship is administered by the English and Foreign Languages Department.
- **The Hunt-Bond-Troup Scholarship** - The Fort Valley State University National Alumni Association annually awards several scholarships to entering freshmen who have proven themselves to be academically superior as determined by their high school GPA and SAT score.
- **The Kahn Scholarship** - The Georgia Distilled Spirits Institute in Atlanta, Georgia, awards scholarships to students enrolled in University System schools who have proven themselves academically superior and are recommended by the Director of Financial Aid.
- **The Gladyce Carter Sampson Scholarship** - Administered by the Department of Family and Consumer Sciences, this one-year tuition scholarship is awarded on an annual basis to an incoming freshman who has established financial need, has an academic major in some field of home economics and has demonstrated active involvement in high school activities, including the Future Homemakers of America/Future Farmers of America Club.
- **St. Benedict The Moor, Milwaukee, Scholarship** - Open to sophomores majoring in computer science, criminal justice, education, mathematics, pre-medicine/dentistry or science, this scholarship pays up to \$4,000 per year for up to four years. The recipient must be a U.S. citizen, must demonstrate financial need and must be of sound moral character. Three letters of recommendation attesting to the applicant's moral character are required. There is only one recipient per award period.
- **The Lula Anderson Sutton Scholarship Award** - The Beta Rho Zeta Chapter of the Zeta Phi Beta Sorority, Inc. created this award to honor the memory of their Soror, Lula Sutton Anderson, who taught in the schools of Georgia for many years and whose life was dedicated to the service of humankind. The full year tuition scholarship (current FVSU tuition) proposes to honor the young woman who best characterizes the ideals of the sorority: scholarship, service and finer womanhood.
- **The Anne Richardson Gayles-Felton Scholarship** - Anne Richardson Gayles Felton established this award in memory of her late husband Ambrose Monroe Felton. This scholarship is awarded annually to a senior student who is a U.S. citizen majoring in business or social science, with a GPA of 3.0 or higher and has demonstrated a commitment to ethical standards and moral conduct. Preference is given to a student who is a resident of Marshallville, Georgia, and who attended the Lamson-Richardson School.
- **The Omega Psi Phi Fraternity Science Scholarship** - Awards of \$300 and \$200 are given annually to two senior members of the Omega Psi Phi Fraternity with the highest and second highest averages, respectively, with a major in science or mathematics. The scholarships will be given at the beginning of the recipients' senior year. The scholarships are given by McDonald Moore, Sr., an outstanding chemist in the field of pulp and paper. The chapter's advisor at Fort Valley State University is in charge of administering the scholarships.
- **The Henry A. Hunt Prize** is awarded to that student in the University who, in the opinion of the faculty, best exemplifies the ideals of loyalty, integrity and thoroughness of Henry Alexander Hunt, Principal of the Fort Valley Normal and Industrial School from 1904-1938.

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- **The Knox Award** is a cash award given each year by the faculty in honor of the late Al Knox, President of the Junior Class of 1942, who died in military action. It is awarded to the member of the Senior Class whose personality, scholarship, and personal life promise fulfillment of a career which the friends of Al Knox, confidently expected of him at the time of his death.
- **The Fort Valley State University Award** is an award given to the senior student with the highest cumulative average for full collegiate credit.
- **The State Teachers Alumni Award**- The alumni of the State Teachers and Agricultural College at Forsyth, now merged with this institution, annually award a prize to the student who, through leadership, intelligence, and vision, best exemplifies the life work of William Merida Hubbard, founder of the State Teachers and Agricultural College. From 1939-1941 he served as Director of Public Relations of Fort Valley State College.
- **The Fort Valley Alumni Award** - The Alumni Association of Fort Valley State University makes an annual award to that member of the Senior Class who, in the judgment of the faculty, is considered the best all-around student.
- **The A. M. Jordan Memorial Prize** - In memory of her father, the late Reverend A. M. Jordan, Sr., Mrs. Junia Jordan Fambro, former dietitian of Fort Valley State University, offers an annual cash prize to that student employed in the Food Service Center who sets the best example of all-around excellence as a worker and maintains a good scholastic average.
- **The Senior Mathematics Award** - A cash prize is given annually by Isaiah H. McLendon, Jr., a graduate of Fort Valley State University, to the senior student majoring or concentrating in mathematics who has the highest cumulative average for work done at Fort Valley State University. The recipient must have been in attendance at Fort Valley State University for at least two years.
- **The McKinley Wilson Memorial Scholarship** - In memory of her late husband, Mrs. Marcia Shepperson Wilson awards a scholarship to a student in the College of Agriculture who meets the following criteria: a sophomore or junior level student as defined by Fort Valley State University; a GPA of 3.00 or above, excluding credit for any remedial courses; and financial need. Applications must be submitted to the College of Agriculture's Scholarship Committee.
- **The Robert T. Church Award** - This award is given to the junior or senior level student in the Agricultural Instruction program who, in the judgment of a faculty committee, is considered the best all-around student.
- **The Ruby Church Book Award** - This award, in the amount of \$500, is given annually by the Fort Valley Chapter of The Links, Inc. to a college-bound or enrolled student to encourage and recognize the exceptional promise of a developing young scholar and to provide aid for books and materials. The recipient must have a "B" average and be a resident of Peach, Houston, Crawford, Macon, or Taylor County, Georgia. One county is targeted on a rotational basis each year. The Fort Valley Chapter of The Links, Inc. identifies the recipient of this award from among the nominees provided by The FVSU Scholarship Committee of the Financial Aid Office

Other Financial Resources

- **Graduate Assistantships** – Fort Valley State University makes graduate assistantships available to selected full-time graduate students who are pursuing studies leading to a master's degree. The Assistantship Program is administered by the Dean of the College of Graduate Studies and Extended Education.

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- **Vocational Rehabilitation Educational Benefits** - The Georgia Department of Human Resources makes available tuition and fees, books and supplies and sometimes transportation allowances for citizens of Georgia who have been determined disabled in some form. Recipients are usually awarded assistance for a maximum of three years.
- **Veterans Educational Benefits** - The federal government provides monetary assistance to veteran students if they have a record of serving active duty for more than 180 days. Veterans are not limited to a specific field of study; it is unrestricted. The amount of monthly assistance provided depends on the veteran's marital status (married or single) and enrollment status (full-time or part-time). Certification for benefits is completed by the Financial Aid Office. These benefits are administered by the Veterans Administration.
- **Emergency Loan Programs** - Through the Director of Residential Life, the University administers emergency loans to students. Emergency loans are made to students in short-term financial straits. Loans range from \$50 to \$250 and must be repaid within a thirty-day period. Organizations which contribute funds to this loan program include: the Student Government Association, Alpha Phi Alpha Fraternity, Omega Psi Phi Fraternity, International Students and the PERLS organization.
- **Departmental Awards** - Other financial assistance and awards may be available at the departmental level. Students should contact the department(s) of their interest for additional information.

University Awards and Recognitions

Dean's List - Undergraduate students who successfully complete 12 or more semester hours with a grade point average of 3.5 or higher and no grade lower than "C" may be recognized on the Dean's List.

Honors Convocation - Each year, Fort Valley State University takes pride in honoring high academic achievement. Recognition is given to students who:

- maintain a cumulative average of not less than "B" for 12 or more semester hours of University work;
- were nominated for inclusion on the National Dean's List;
- were elected to membership in regional, national or international honor societies for high academic performance;
- were selected for departmental honors; and/or
- were selected for special scholastic awards.
- The Honors Convocation ceremony is held during the Spring semester of each academic year.

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General Student Information

Student Activities

Departmental and Professional Organizations

National Honor Societies

Social Fraternities and Sororities

Special Interest Organizations

Religious Organizations

Varsity Athletics

Intercollegiate Athletics

Judicial Affairs

Residence Hall Administration

Housing Regulations

Residence Hall Living

Food Service

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Student Affairs

Dr. Terrance Smith, Vice President
328 Troup Building
478-825-6292

Campus Life

Mr. Wallace Keese, Director of Student Support Services
Suite 207 Room J Lyons Student Center
478-825-6292

Student activities are designed to complement the academic programs of study at Fort Valley State University and to enhance students' overall educational experiences through social, cultural, intellectual, and recreational interactions. The Student Government Association and class organizational structures provide students with opportunities to govern themselves and to interact with institutional and community leaders. Students are strongly encouraged to participate in the wide array of student activities.

Participation in co-curricular activities serves to develop students' special talents, deepen their appreciation for fellowship and cooperation, and enlarge their individual capacities for leadership. There are more than 70 co-curricular organizations, departmental clubs, guilds, fraternities, sororities, honor societies, drama and music groups that are open to all students or students who are majoring in a specific discipline. Of the total co-curricular opportunities available, five are national honor societies, 30 are departmental clubs, and 35 have general, cultural, civic, or political focus. An organized program of intramural sports between classes and student organizations is conducted as an integral part of the program of health and physical education. These organizations afford students the opportunities to develop teamwork ability and leadership as well as other social skills.

Delivery of programs and services is guided by an ongoing assessment of student needs, the campus climate, and established outcomes. The mission is carried out through teaching and personal instruction, advisement, counseling, community service projects and organized programs and services. For more details concerning these or other organizations visit Campus Life located on the upper level of the Lyons Student Center.

Departmental and Professional Organizations

Agri Demic Forum	English Club
Agricultural Engineering Technology Club	Georgia Association of Education
Agronomy Club	Student Program (GAE-SP)
Alpha Mu Gamma (Foreign Language)	Collegiate Middle Level Association
Animal Science Club	(CMLA) of the National Middle School
Association for Childhood Education	Association
Beta Kappa Chi	Horticulture Club
Business Economic Club	Hyper (Physical Education)
Collegiate Chapter of American and Georgia	Kappa Delta Epsilon
Home Economics Association	Literary Club
Collegiate Chapter of Future Farmers of	Marketing Club
America	Mass Communication Club
Computer Science Club	Mathematics Club
Criminal Justice Club	Minority Advisement Program

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Phi Beta Lambda
Phi Mu Alpha Sinfonia Fraternity (Music)
Political Science Student Association
Reserve Officers' Training Corps (ROTC)
Science Club

Sigma Chi Forensic Society
Student Government Association
Veterinary Science Club

National Honor Societies

Alpha Kappa Mu
Alpha Mu Gamma (Language)
Beta Kappa Chi (Science)
Kappa Delta Epsilon (Education)
Phi Alpha Theta (History)
Sigma Tau Delta (English)
Tau Alpha Phi (Engineering Technology)

Social Fraternities and Sororities

Alpha Kappa Alpha, Alpha Beta Chapter
Alpha Phi Alpha, Gamma Zeta Chapter
Delta Sigma Theta, Eta Chapter
Iota Phi Theta, Delta Theta Chapter
Kappa Alpha Psi, Gamma Zeta Chapter

Omega Psi Phi, Upsilon Sigma Chapter
Phi Beta Sigma, Alpha Phi Chapter
Sigma Gamma Rho, Zeta Pi Chapter
Zeta Phi Beta, Delta Beta Chapter

Special Interest Organizations

National Association for the Advancement of Colored People
Alpha Phi Omega
Alpha Sigma Mu
Baptist Student Union Gospel Choir
Cheerleaders and Majorettes
Gospel Choir
Habitat for Humanity
Kappa Kappa Psi, Honorary Band Fraternity
Minority, International, and Diverse Students
Modern Dance Group
National Association of the Advancement of Colored People

Pan-Hellenic Council
The Peachite
Players Guild
Tau Beta Sigma, Honorary Band Sorority
University Band
University Choir

Religious Organizations

Baptist Student Union
Canterbury Club
Christian Fellowship Society

Varsity Athletics

Basketball (men and women)
Cross County (men and women)
Football (men)
Softball (women)
Tennis (men and women)
Track and Field (men and women)
Volleyball (women)

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Intercollegiate Athletics

The Department of Intercollegiate Athletics is responsible for the planning, implementation and supervision of all intercollegiate athletic sports programs at Fort Valley State University. The primary mission of the department is to provide a well-rounded program of intercollegiate athletic competition as an integral part of the total educational experience of student-athletes and the University. Additionally, the department must comply with all rules and regulations imposed by the Southern Intercollegiate Athletic Conference (SIAC) and the National Collegiate Athletic Association (NCAA). Further, the department must ensure the welfare as well as equal opportunity for all students who desire to participate in intercollegiate athletics and, accordingly, must not practice or support discrimination on the basis of gender, race, national origin or religion. The department's quest is consistent with the goals and purpose of the University, that is, to provide an intellectual setting in which students in higher education may find a sense of identification, belonging, responsibility, and achievement that will prepare them for roles of leadership and service in the regional, national and global communities. Students benefit significantly from their intercollegiate athletics experiences which prepare them for a lifetime.

Judicial Affairs

The mission of Judicial Affairs is to support the University's educational mission and goals by engaging and empowering students, staff and faculty in the process of creating a safe, orderly, and positive University environment. Our efforts will facilitate and support community values standards, and expectations which enhance just disciplinary processes, student learning and support student intervention efforts.

All students are responsible for becoming familiar with the Student Code of Conduct. For clarification or questions pertaining to the Student Code of Conduct, please report to the Office of Judicial Affairs or the Office of Student Affairs.

Residence Hall Administration

The overall administration of residence hall living is under the direction of the Director of Residential Life located in the Wildcat Commons Clubhouse. Each residence hall is the responsibility of a senior resident manager, who lives in the hall, and assistants. The regulations in each residence hall are determined within the framework of University policy by those who live in the basic unit; thus, the residence hall government is the basic organization for the student's participation in the activities and programs of the residence hall of which he/she is a part. Each hall has a council composed of elected residents who have the responsibility of coordinating activities within each hall. The rules and regulations are not arbitrarily made but are based on the principle of consideration for the rights and privileges of individuals living in group housing. When minor disciplinary problems arise, the residence hall judiciary council takes appropriate action intended to assist the residents in their continuing development.

Housing Regulations

- All students who are enrolled for course work are eligible to live in the residence halls. The University operates its residence halls on a contract/agreement basis for the academic year of two semesters (fall and spring).
- Undergraduate students are to reside on campus unless they are married, plan to commute from home or live with approved relative (For this purpose, approved relative is defined

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as parent, guardian, son/daughter, grandparent, uncle/aunt, or brother/ sister who is not a student at Fort Valley State University), are graduating, are transferring to another institution, are withdrawing from the university, or experiencing extreme financial hardship, or other urgent hardship (all requests for housing cancellation must be submitted with appropriate supporting documentation as per the Request for Housing Cancellation form). Failure to submit the contract/agreement will not cancel the obligation to live on campus. Students who become eligible to live off campus during the contract period may request a Housing Cancellation at the end of the spring semester.

Upon approval of Housing Cancellation all undergraduate students will be required to receive a permit from the Office of Student Affairs to register as off-campus students.

- Residence halls will open at noon of the day preceding the first day of enrollment. Meals are available at the casual meal rate at noon of the day halls are opened. Meal plan stickers are honored immediately upon payment of fees. (No longer issued)
Commuter students, persons attending workshops and others may request a room for one or several nights by making a request at the Office of Residential Life, registering at the Office of Student Affairs, signing a short-term contract and making payment for room and board at the Office of Business and Finance. (Unsure if this is still practiced)
- All guests must register at the main desk. Failure to register a guest may subject the host resident to judiciary action and assessment. All guests are expected to abide by residence hall polices and regulations. Host students are also held responsible for the proper conduct of their guests.

All students living in the residence halls are governed by residence hall regulations and the Student Code of Conduct, an excerpt of which follows:

Resident students are held responsible for any damages to their rooms and furnishings. To ensure the protection of property, as well as to maintain order and discipline of hall residents, the University reserves the right to enter any room, at any time, for the purpose of inspection, repair, or other official business. Damages to common areas of the residence hall or their furnishings shall be the responsibility of the student causing the damage. In the event student(s) causing the damage are not identified, costs for repairs or restorations shall be the responsibility of the occupants of a particular area, to be shared on the prorated basis. Damages will be assessed by the University and the student will be billed for repairs or replacements. Students should inform the University officials of any damages which exist at the time they move into the rooms. Although every precaution is taken to maintain adequate security, the University cannot assume responsibility for loss or damage to student property.

Residents may entertain opposite-sex guests in their rooms during designated hours daily. Specific regulations are found in the *Residence Hall Handbook*.

Residence Hall Living

The University provides six residence halls on campus. These residence halls are designed to provide personal, social and intellectual companionship for the student. Essentially, the residence hall program strives to provide facilities and leadership which will make possible an atmosphere in which the student will acquire maturity and self-discipline. The residence halls are:

Anna T. Jeanes Hall	Wildcat Commons Building 1 (A)
Sophia Moore Hall	Wildcat Commons Building 2 (B)
Henry Boyd Hall	Wildcat Commons Building 3 (C)
John W. Davison Hall	Wildcat Commons Building 4 (D)
Anthony D. Watson Hall	Wildcat Commons Building 5 (E)
Josephine L. Hall, Hall	Wildcat Commons Building 6 (F)
	Wildcat Commons Building 7 (G)

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Food Service

The University provides food service for students. Three well-balanced meals are served each day, Monday-Friday. Two meals are served on Saturday and Sunday depending on the selected meal plan. The Food Service Center is located next to the Lyons Student Center and seats approximately 400 students. There is a snack bar on the ground floor of the Student Center. Student living in the residence halls must purchase meals in the Food Service Center, but are allowed to use a meal equivalency plan to take certain meals at the snack bar. **All students living in the residence halls must use the Food Service Center.** A more detailed discussion of all housing regulations can be found in the Residence Life Handbook.

ACADEMIC POLICIES AND PROCEDURES

Enrollment Policies and Procedures
Policies for Non-Resident Study
Other Policies
Grading Policies
Computation of Grade Point Averages
Academic Classification
Academic Standing
Examination Policies
Requirements for Graduation
Students' Privacy Rights
Students' Rights and Grievance Procedures

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Academic Policies and Procedures

Dr. Daniel K. Wims, Vice President for Academic Affairs
340 C. V. Troup Administration Building
478/825-6330

Declaration of Major

All students enrolled at Fort Valley State University **must** have a major on record. For newly admitted students, the major is determined to be the *intended* major as indicated on the student's application for admission to the University. Freshman students are required to declare or choose a major not later than the pre-registration period for their second year of enrollment by completing the *Declaration of Major Form*. Students may, at any time, change or declare a new major by completing the *Change of Major Form*. Both forms must be completed at the Academic Success Center.

Academic Load Policy

The average load for normal academic progress is 15 credit hours per semester. A maximum of 20 credit hours may be attempted in any one semester, including credit hours in progress through web courses, campus-based courses, weekend courses and correspondence or extension studies. During the summer, the credit hour load may be reduced. The maximum semester load permissible for students on *academic probation* shall be 12 hours. The number of credit hours possible is governed by the following:

GPA	Load Limit
1.99 or less	14 semester hours
2.00-2.99	18 semester hours
3.00-4.00	20 semester hours

- A strong written justification and approval of the appropriate Dean is required for any student with a 3.00 GPA or higher to enroll for more than 18 semester hours.
- Any student enrolled for a Regents' workshop, regardless of GPA, will be limited to a load of 14 semester hours.
- **Any student with 30 or more earned semester hours having outstanding CPC deficiencies will be limited to enrollment in the courses required to eliminate such efficiencies. Likewise, students who have not passed the Regents Test will be limited.**

Changes of Schedule (Drop/Add)

Changes in a student's program, courses or schedule, must be made within the first three class days of each regular semester or as announced for the summer term. The specific deadlines are indicated in the Academic Year Calendars. Deadlines for schedule changes are also printed in the Master Schedules and are posted in the Registrar's Office each semester. The procedures for revising course schedules require that a student first secure a Change of Schedule form from the Academic Success Center. Printed instructions are provided on the form. The student must, then, confer with his/her advisor and/or instructor. Signatures may be required. **A course is considered officially dropped or added officially only when the required form has been returned to the Registrar's Office.**

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No-Show & Attendance Verification

Fort Valley State University has a “No-Show and Attendance Verification” procedure. This procedure is to comply with Federal Financial Aid regulations. Financial Aid recipients at Fort Valley State University may become ineligible for funds by not attending at least one class session (per enrolled course). Students who do not attend at least one class session are **NOT** entitled to keep their financial aid award. The established no-show and attendance verification procedure will enable Fort Valley State University to adjust financial aid awards before funds are issued to students (thereby eliminating liability for both the University and the student).

A student reported as a no-show in a course may obtain an “Attendance Verification Form” from the Office of the Registrar in order to be re-instated. The Registrar will notify the students and faculty when the attendance verification process has opened. Faculty members should only sign the form if the student has attended at least **one** class session. Students have two days to be re-instated once the Attendance Verification period has opened.

Course Attendance Policy

The majority of courses are scheduled for 50-minute periods on Mondays, Wednesdays, and Fridays with the exception of laboratories and evening courses, and Tuesday and Thursday courses are scheduled for 75 minutes. Courses are expected to begin promptly. Due to state and federal agency regulations governing course attendance, **faculty members are required to maintain an accurate record of each student's course attendance.** Official excuses for absences are provided through the Office of Student Affairs.

The institutional policy on course attendance states that students are expected to attend each class session. In the event of unforeseen circumstances, students may be absent from courses the number of times equivalent to the credit hour value of the course. For example, students are permitted:

- One absence for a one credit-hour course
- Two absences for a two-credit hour course
- Three absences for a three-credit hour course
- Four absences for a four-credit hour course

Students whose absences exceed the above scale will receive a reduction in their final course averages as determined by the faculty member. Exceptions to this policy on point reduction may be granted by the faculty upon presentation of documentation from the Vice President for Student Affairs that an official excuse has been granted for the student's absence. Conditions warranting such an approval include cases involving death in the family, illness of the student or his/her immediate family members or for military duty. It is the student's responsibility to provide legitimate, official documentation of excused absences to the instructor(s) of the courses involved. Other reasons for absences not covered here must be cleared with the appropriate College Dean.

Course Withdrawal Policy

A student is allowed a maximum of 18 semester hours of course withdrawals (drops) while completing his/her undergraduate degree program requirements. This maximum does not include changes in one's schedule that take place prior to the Schedule Change Deadline. A complete withdrawal from courses because of documented extenuating circumstances is not included in the 18 hour limit. After reaching the 18 semester hour limit, the student will receive a grade of **WF** for any course withdrawal, regardless of the date withdrawn. In other words the period for receiving the WP grade is rendered invalid.

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Withdrawal from the University

A student desiring to withdraw from Fort Valley State University must present him/herself to the Office of the Registrar. A student who withdraws from the university prior to the mid-point will receive a grade of "W" in all courses in which he/she is enrolled. A student who withdraws from the university after the mid-point will receive a grade of "WF". Once the withdrawal has been initiated by the student, the student will have until the close of business the following day to stop the process. The email must be received before 5:00p.m. at Registrar1@fvsu.edu.

Involuntary Withdrawals

Students are expected to observe all policies governing a class. Faculty will clearly state the policies in the course syllabus each semester. A faculty member is eligible to involuntarily withdraw a student after the mid-point if a student is in violation of one or more of the class policies (missed required assignments or excessive absences). A grade of "WF" will be assigned and is treated as an F for GPA calculation purposes. Students are responsible for withdrawing up to the semester mid-point deadline and be eligible for a grade of "W" unless the student has exceeded the limit of withdrawals (18 semester hours of course withdrawals). Faculty involuntarily withdrawing a student after the mid-point must complete an Involuntary Withdrawal Form and submit for final approval by the Vice President for Academic Affairs. The Involuntary Withdrawal will be processed by the Office of the Registrar and the student and faculty member submitting request will be notified by FVSU e-mail. Students involuntarily withdrawn are ineligible for a refund.

Medical Withdrawal Policy

A student may be administratively withdrawn from the University when, in the judgment of the Vice President for Academic Affairs, the Vice President for Student Affairs, and/or the University Physician, and after consultation with the student's parents and/or personal physician, it is determined that the student suffers from a physical, mental, emotional or psychological health condition which: (1) poses a significant danger or threat of physical harm to the student or to the person or property of others or (2) causes the student to interfere with the rights of other members of the University or its personnel or (3) causes the student to be unable to meet institutional requirements for admission and continued enrollment, as defined in the student Code of Conduct and other publications of the University.

Except in emergency situations, a student shall, upon request, be accorded an appropriate hearing prior to a final decision being rendered regarding his/her continued enrollment at the University.

Enrollment Policies and Procedures

Enrollment in Sequential Courses

All courses which constitute a two-term or three-term sequence shall be taken in sequence. A passing grade must be earned in the first part of the course sequence before permission is granted to enroll in the second (or third) part of the course sequence.

Concurrent Enrollment

Any student desiring to enroll for credit courses at another institution while enrolled at Fort Valley State University must request and secure approval from his/her academic advisor for Concurrent Enrollment status. The required form is available in the Registrar's Office.

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Enrollment in Graduate Courses

Seniors with a 3.5 GPA or better who are within six semester hours of fulfilling all requirements for the bachelor's degree or, who have completed all requirements for the bachelor's degree except a laboratory field experience for seniors, such as student teaching, may be permitted to enroll in entry-level graduate courses (see the Graduate Catalog for a specific listing of courses).

Independent Study

Fort Valley State University recognizes options for obtaining credit through Independent Study. The approval process for Independent Study begins with the academic advisor. Once the advisor reviews the student's course of study and assesses appropriateness, the student must then gain approval from the instructor. The instructor will outline with the student the requirements for course completion.

Upon approval of the Department Head and the Dean of the college in which the course is offered, the student may enroll for independent study. Credit hour limits apply. A minimal GPA of 2.5 is required. **Students are limited to two independent study classes during their tenure.** Activity courses and courses that require a lab are not available through independent study. Other opportunities for independent study may be obtained online at www.gactr.uga.edu/usgis/index/htm.

Policies for Non-Resident Study

Correspondence Study Policies

The University does not offer studies by correspondence but the following regulations apply to this type of study:

- To be eligible for enrollment in a correspondence course a student must have a cumulative average of at least 2.0 ("C" level).
- Up to 15 semester hours of credit in correspondence courses may be applied toward graduation requirements of the University, subject to other relevant conditions being met.
- Of the last 30 semester hours before graduation, not more than 15 credit hours of correspondence courses may be applied to academic requirements. Further, the final semester must be spent in residence at the University.
- The University will accept credit earned through correspondence courses from another institution provided the institution was accredited at the time the course was taken, provided the total number of credit hours does not exceed the maximum credit hours load during a semester, and provided the course was taken within the previous five-year period.
- The applicability of correspondence course credit toward graduation requirements will be determined by the department in charge of the major to which such credits are applied. This determination should be made in advance of enrollment in the course.
- The University will accept only those credits earned through correspondence studies with a grade of "C" or higher.
- Correspondence credits accepted by the University will not include courses designated specifically as "laboratory" type studies.

Procedures: A student seeking acceptance of a correspondence course must secure the approval of the Vice President for Academic Affairs following recommendations of the Department Head

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and Dean. Correspondence study in general education courses or equivalents must be authorized by the Vice President for Academic Affairs.

Extension Study Policies

A limit of one-fourth of the total credits required for graduation may be earned through extension and correspondence study. All laboratory courses must be done in residence. Basic functional courses in education (courses in methods and materials and student teaching) may not be completed by extension study.

Co-op Experience Credit

Students of the University who participate in cooperative training programs with agencies and industries may be allowed up to and including three credit hours per semester of co-op experience with a maximum of fifteen hours for the total program. A student involved in the program is required to secure departmental approval of an equated course of "elective" credit prior to enrollment. After enrolling in the course for the co-op experience, the student must pay appropriate fees to receive credit for the co-op experience.

Other Policies

Disclaimer of Accident Liability

The University assumes no liability for injuries sustained by students either while engaged in class or extra-class activities, except in the case of athletes who are participating in or practicing for regularly scheduled athletic events. Insurance information, is available through the Health Services to all students who desire general health and accident coverage.

Children in the Workplace Policy

Pursuant to its mission and philosophy, Fort Valley State University encourages all residents to take advantage of the numerous opportunities that the University offers. However, in the interest of personal safety, persons who are younger than 16 years of age should not be on campus on a regular or prolonged basis. To this end, such persons are not allowed in classrooms, laboratories, instructional support, or student life areas except in the context of programs or activities designed and conducted for the inclusion of the general public.

Grading Policies

Uniform Grading System

Consistent with the uniform grading system within the University System of Georgia, the University utilizes a basic four point (4.00) grading scale. The following approved grades are used to determine the student's grade point average:

Grade	Quality Points
A - Excellent	4
B - Good	3
C - Satisfactory	2
D - Passing	1
F - Failure	0
WF - Withdrew, Failing	0

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The following symbols are also approved for grading purposes. They carry no quality point value. They are, therefore, not included in the calculation of grade point averages to audit the course. A student cannot subsequently request a grade for a course that was audited.

- **“I”** This symbol indicates that a student was doing satisfactory work but, for non-academic reasons beyond his/her control, was unable to meet the full requirements of the course. *The “I” grade may be given only when the student has no need of further class attendance and has satisfactorily completed the majority of the course requirements as determined by the instructor.* The assignment of an “I” must be documented via a form to be approved by the Department Head, the Dean, and the Vice President for Academic Affairs. If an “I” is not satisfactorily removed by midterm of *the student’s next enrolled term*, the symbol “I” will be changed to the grade “F” by the Registrar.

Guidelines for Submitting “I” Grade

A student may receive the grade “I” if

- Legitimate extenuating circumstance(s), such as a severe illness, prevent the student from attending class and completing the requirements of the course by the end of the academic year.
- The instructor was informed of the extenuating circumstance and a request for “I” grade was initiated immediately.
- The instructor is provided with necessary documentations from acceptable authorities
- The request for “I” grade is initiated after the deadline for withdrawal
- The student attended the class regularly and had satisfactory performance on the work completed. An "I" grade may not be given to the student who has done unsatisfactory work.

The Incomplete grade will not be given to a student

- Who is not passing the course (who had unsatisfactory performance on the work completed)
- Who has poor attendance record
- as a substitute for a failing grade
- to provide an opportunity for doing additional work after the due date for submission of final grades
- **“CP”** Indicates a continuation of work beyond the term for which the student signed up for the course. The use of these symbols is approved for dissertation and thesis hours and project courses. With the exception of Learning Support or Developmental Studies courses, and Regents' Test remediation courses, these symbols cannot be used for other courses. **This symbol cannot be substituted for an "I".**
- **"W"** This symbol indicates that a student was permitted to withdraw without penalty. Withdrawals without penalty will not be permitted after the mid-point of the total grading period (including final examinations) except in cases of hardship as determined by the Vice President for Academic Affairs.
- **"WM"** This symbol indicates a student was permitted to withdraw under the Board of Regents policy for military service refunds. The use of this symbol indicates that this student was permitted to withdraw without penalty at any time

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during the term.

- **"S"** This symbol indicates that credit has been given for satisfactory completion of degree requirements other than academic course work. The use of this symbol is approved for dissertation and thesis hours, clinical practicum, internship, and proficiency requirements in graduate programs. Exceptions to the use of this symbol for academic course work must be submitted to the Chancellor for approval.
- **"U"** This symbol indicates unsatisfactory performance in an attempt to complete degree requirements other than academic course work. The use of this symbol is approved for dissertation and thesis hours, clinical practicum, internship, and proficiency requirements in graduate programs. Exceptions to the use of this symbol for academic course work must be submitted to the Chancellor for approval.
- **"V"** This symbol indicates that a student was given permission to audit this course. Students may not transfer from audit to credit status or vice versa. Students may register, however, on a credit basis for a course that has previously been audited.

Grade Reports

At the end of each semester, a full report of the student's academic performance showing courses taken, grades earned, quality points awarded, and grade point average may be obtained via BANNER Web. **Grade reports will not be mailed to students.** Academic suspensions or dismissals will not be waived due to the student's failure to receive a grade report.

Grade and Academic Appeals

Students have the right to appeal a grade or other academic action if they believe that the instructor has violated his/her stated grading policy or other academic policy. Therefore, it is the faculty member's responsibility to include specific grading and other academic policies for each of his/ her classes. These policies must be provided to students on the course syllabus not later than the second day of class. Should a faculty member change any of his/her previously distributed grading or other policy at a later date, the change must be provided to students in writing and be applied uniformly, with ample notification to students.

In the event that a student believes that his/her grade is unfair and wishes to appeal a grade or other academic action, every attempt must be made to resolve the matter at the lowest possible level and the following procedures will apply:

1. The student must first attempt to resolve the matter informally with the faculty member.
2. If no resolution is reached or if the faculty member cannot be contacted, the student must appeal to the Department Head.
3. If the student remains dissatisfied, he/she may file a written appeal, with supporting documentation, to the Dean of the College within 30 days from the end of the semester in which the action occurred. The Dean, in consultation with the Department Head, will provide a written response to the student. If the faculty member involved is a Department Head, the appeal should be filed with the Dean of the College. If faculty member is a Dean, the appeal should be filed with the Vice President for Academic Affairs.
4. If the Dean (or Vice President for Academic Affairs) finds that the student has reasonable cause for an appeal, a Hearing Committee will be appointed consisting of three faculty members.
5. Both the faculty member and the student have the right to an adviser to assist in preparing and arguing his/her case.

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6. The hearing will proceed in accordance with the rules and procedures outlined in the Student Handbook.

Final Examinations

Faculty should adhere to the final examination schedule that is published and distributed by the Registrar's office. Any deviation from the published schedule must be approved by the appropriate Dean and the Vice President for Academic Affairs.

Academic Forgiveness Policy

Effective Fall 1998 (not retroactive), Fort Valley State University implemented the "*Forgiveness Policy*" which allows students to repeat courses without limits in which a "D" or "F" has been earned. The last earned grade shall be calculated in the student's institutional grade point average. However, to meet honors and other requirements, the Regents' grade point average which is computed on all credits attempted, is used.

Academic Renewal

Academic Renewal (BOR Policy 305.01). University System of Georgia undergraduate students who have been readmitted or reinstated after a period of absence of five (5) calendar years or longer are eligible for academic renewal. Academic renewal for the student signals the initiation of a new grade point average to be used for determining academic standing. This provision allows University System of Georgia degree-seeking students who earlier experienced academic difficulty to make a fresh start and have one final opportunity to earn an associate or bachelor's degree (BOR Minutes, June, 1995, p. 7).

Procedures

- **Students must apply for Academic Renewal.** Applications are available in the Office of the Registrar.
- All previously attempted course work continues to be recorded on the student's official transcript.
- A Renewal GPA is begun when the student resumes taking course work following approval for Academic Renewal. The Academic Renewal GPA will be used for determining academic standing and eligibility for graduation.
- To earn a degree, a student must meet the University's residency requirements after acquiring academic renewal status. At least 50% of work toward a degree must be completed after the granting of Academic Renewal status for a student to be eligible for honors at graduation.
- Academic credit for previously completed course work--including transfer course work--will be retained only for courses in which an A, B or C grade has been earned.
- Retained grades are not calculated in a Renewal GPA. Such credit is considered in the same context as transfer credit, credit by examination, and courses with grades of "S."
- Courses with D or F grades must be repeated at the Academic Renewal institution if they are required in the student's degree program. Further, all remaining courses for the current degree objective must be completed at the Academic Renewal institution, i.e., no transient credit will be accepted.
- Applicability of retained credit to degree requirements will be determined by the degree requirements currently in effect at the time Academic Renewal status is conferred on the student. Specific institutional program regulations must also be met.

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- Students who were enrolled in Developmental Studies/Learning Support at the time of their departure from the University may apply for Academic Renewal upon completion of their Learning Support requirements.
- A student can be granted Academic Renewal status only once.

Transfer Credit

- Suspended/dismissed students: a student who has been suspended/dismissed from a System institution **and** has attended one or more System institutions during the period of suspension/dismissal will not be eligible for Academic Renewal.
- Non-suspended/dismissed students: a student who has not been suspended/dismissed from a system institution but who has been absent from that institution five years or more and who has attended a school other than that institution may choose only one of the following options:
- A student may return to the same institution subject to all relevant transfer and reentry policies. No renewal GPA is calculated and transfer credit will be granted for applicable courses taken during the absence.
- A student may apply for Academic Renewal. If Academic Renewal status is approved, no transfer credit will be granted for course work completed during the absence.

Any scholastic suspensions which occurred in the past shall remain recorded on the student's permanent record. If a suspension (either first or second) is on the record and the student encounters subsequent academic difficulty after having been granted Academic Renewal, the next suspension would subject the student to dismissal.

If a student does not request Academic Renewal status at the time of re-enrollment after a five year or greater period of absence, the student may do so within three semesters of re-enrollment or within one calendar year, whichever comes first.

- The Renewal GPA begins with the semester following re- enrollment.
- Reentry into any program is not automatic.
- If a student is denied Academic Renewal and subsequently does not re-enroll, he/she may resubmit an Academic Renewal application three or more semesters have passed since the initial petition.
- The granting of Academic Renewal does not supersede financial aid policies regarding Satisfactory Academic Progress.
- Any currently enrolled student who has experienced an interrupted five year (or longer) period of nonattendance at the institution in which he/she is currently enrolled, may apply for an Academic Renewal GPA.
- For currently enrolled students, there is a one year "window of opportunity" for requesting Academic Renewal status commencing with the effective date of this policy.
- The Academic Renewal GPA will include all course work taken since re-enrollment.

Definition of Terms for the Purpose of these Procedures:

Suspension is a temporary separation from an institution. A suspension may be (a) for a specified period of time or (b) indefinite. Upon expiration of the period of suspension, the student is eligible to re-enroll. A student must submit a letter of petition, complete a re-admit application and submit to the Registrar's office. A student under indefinite suspension must petition for reinstatement to the President of the University.

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Dismissal is a separation of the student from the institution for one academic year. Upon expiration of the period of dismissal, the student must submit a letter of petition, complete a re-admit application and submit both documents to the Registrar's office.

Computation of Grade Point Averages

There are two forms of grade point averages computed on a student's academic record. They are the student's **Institutional GPA** and the **Regents' GPA**. **The Institutional GPA** is used to determine whether students are to be placed on probation, suspension or dismissal and for graduation. The student's academic performance reflected by the Institutional GPA is only of interest within the University. The Regents' GPA appears on the student's transcript and is used for computing honors and awards, scholarship eligibility and decisions regarding overload. **The Regents' GPA** is used by graduate schools and prospective employers to determine the student's academic competitiveness relative to other applicants.

The Institutional GPA is computed using the "**Forgiveness Policy**." Only the most recent attempts of courses taken at Fort Valley State University in which a grade of A, B, C, D, F or WF has been earned are used in the computation. The Institutional GPA is computed by dividing the hours attempted, using the "**Forgiveness Policy**" for courses attempted since **Fall 1998**, into the number of quality points earned on these credit hours. However the Regents' GPA, which is recorded on the student's transcript, is computed using all hours attempted.

Academic Classification

Students are classified on the basis of semester hours completed and their academic GPA, as follows:

Freshmen:	Regularly admitted students who have completed one to 29 semester credit hours.
Sophomore:	Students who have completed 30 to 59 semester credit hours.
Junior:	Students who have completed 60 to 89 semester credit hours.
Senior:	Students who have completed 90 or more credit hours.

Academic Standing

Fort Valley State University requires reasonable academic progress of its students. Students are considered to be in **good academic standing** if they maintain a minimum 2.0 GPA. When a student's academic standing approaches standards that are not acceptable for continued enrollment, i.e., a cumulative GPA of less than 2.0, a **warning notice** will be sent by the Registrar to the student.

Minimum GPA	Classification	Academic Credits Attempted
1.60-1.99	Freshman	1 -29 credit hours
1.70-1.99	Sophomore	30 - 59 credit hours
1.80-1.99	Junior	60 - 89 credit hours
1.90-1.99	Senior	90 or more credit hours

- **Academic Probation.** A student is placed on academic probation when his/her cumulative grade point average falls below the lowest point of the range indicated by the classification listed above.
- **Academic Suspension.** A student is placed on academic suspension when his/her

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cumulative grade point average remains below the lowest point of the range listed above. When suspended, the student is expelled for a minimum non-enrolled period of one regular academic semester (not including the summer term). The suspended student must apply for reinstatement. If reinstated after the lapse of a regular semester, the student must earn an average of 2.50 for classes taken during re-enrollment or raise his/her cumulative average to that level required to achieve good standing.

- **Academic Dismissal.** After being reinstated following suspension, a student is subject to dismissal actions if he/she fails to achieve the minimum academic GPA to remain in good academic standing. The period of dismissal is for one calendar year. Any student who has been dismissed for scholastic deficiencies for the second time may petition the Admissions Committee in writing for permission to re-enroll.
- **Readmission Following Suspension/Dismissal.** The privilege of applying for reinstatement after the lapse of one semester of suspension or one calendar year of dismissal does **not** carry with it an obligation on the part of the University to reinstate the student. The University reserves the right to reinstate any student on the merits of the individual case. The University also reserves the right to indicate conditions under which the student may be reinstated. The University reserves the right to deny re-enrollment permission following academic suspension or dismissal. **Petitions for readmission must be submitted one semester in advance of the desired enrollment date.**

If readmission approval is granted, it will be *conditional* subject to the student's academic performance during the semester. At the end of one semester, subsequent to re-enrollment, the student must maintain a term GPA of 2.50 and a cumulative grade point average of 2.00 in order to achieve good academic standing. Failure to achieve and maintain *good academic standing* within two semesters and in subsequent terms will subject the student to immediate dismissal.

Examination Policies

Final Examinations

Final examinations are scheduled at the end of each semester. A printed schedule of final examinations is released about one month in advance of the first day of examinations each semester. Common final examinations may be scheduled in those courses with more than one section of the same course. These examinations, based on a common course outline, are also scheduled in or near the regular examination period.

Major Area Assessments and Examinations

Each major degree program has identified assessments which students must complete prior to graduation. The University also adheres to the Board of Regents requirement that all students who receive a baccalaureate degree from University System institutions take a special major area examination. The first examinations are administered during the Spring Semester to graduating seniors. Depending on the requirement of the particular major academic area, a standardized test may be required. Each academic unit administers these examinations on a common date during the Spring Semester.

Advanced Placement

Students who score a three (3) or above on the College Board Advanced Placement (AP) tests are granted college-level academic credit for applicable course work. Such credits are applied at the time of admission to the University.

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Credit by Examination

Certain undergraduate degree requirements may be satisfied using *Credit by Examination*, including advanced placement tests, proficiency examinations, or the standardized College Level Examination Program. The maximum number of credits by examination that a student can receive is 30 semester hours. There is a 10-semester hour credit limit for major area courses at the 3000/4000 level. Students must be enrolled at the University to be eligible for Credit by Examination. Students who transfer with any combination of acceptable credits by examination will be subject to the same credit hour limits.

College Level Examination Program (CLEP)

The College Level Examination Program (CLEP) is the primary means for awarding credit by examination. The CLEP examinations are administered on campus by the Testing and Preparation Programs Center in specific academic areas.

The awarding of credit via the CLEP will be determined by the academic department or college. The recommendations of the American Council on Education will be followed as guidelines for local interpretations.

In a course typically involving laboratory work, the department or division may construct an instrument for the laboratory portion while the lecture portion of the examination may be met using a standardized test. If the student fails either part of the examination, he/she must take the course through regular enrollment. **No CLEP exam shall be administered after the mid-semester period.**

General Guidelines for Taking CLEP Examinations

1. Application for CLEP examinations must be made at least three weeks prior to the date of administration of the examination. The student must secure a Request by Examination form from the Registrar's Office to initiate the action to obtain credit by examination.
2. There is only one administration of a CLEP exam in a given semester.
3. A student is limited to one administration of a CLEP examination for a specific course.
4. All CLEP examinations must be administered prior to or during the period designated as the week of the mid-semester period.
5. The student who passes the CLEP exam shall receive full academic credit for the course work.
6. For a student to receive credit by examination, the normal matriculation cost for semester hours must be paid if the student is enrolled for fewer than 12 semester hours.
7. A student is ineligible to take the CLEP exam for a course in which he/she has been previously enrolled (e.g., a student enrolled in college algebra, who then failed or withdrew, or makes a "D", then is not eligible to take a CLEP exam in college algebra).
8. A student may use the CLEP exam to earn a maximum of 10 semester hours in a major area and 30 semester hours in the University. The residence requirement for graduation must be met. Should the student change his/her major after receiving these allowable 10 semester hours by CLEP examination, he/she is ineligible to use the CLEP examination to satisfy course work in the new major.
9. A student enrolled for the last semester of his/her senior year is limited to a maximum of two courses through the credit by examination process.
10. **A \$10.00 administration fee will be assessed for each CLEP.**

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Proficiency Examinations

Credit may be earned using locally constructed proficiency exams administered by the department in charge of the discipline. Only when an examination is not available through CLEP is the department authorized to develop and administer a local examination. Priority must be given to using the standardized examination in the course of study. A student may use the proficiency examination test for up to 10 semester hours in a major area. A student who changes majors after obtaining the allowable credits may not test for any additional credits.

Regents' Test

Students enrolled in undergraduate degree programs leading to the baccalaureate degree must pass the Regents' Test as a requirement for graduation and participation in the graduation ceremonies. According to Regents' policy, all newly enrolled students must take the Regents' Test during the first semester of enrollment. Students holding a baccalaureate degree from an accredited institution of higher education are not required to complete the Regents' Test.

Beginning Summer Semester 2003, students with SAT I **Critical Reading** score of at least 510 or ACT Reading score of at least 23 will be considered to have fulfilled the reading comprehension requirement of the Regents' Test and do not need to take the reading portion of the Regents' Test. Effective Summer Semester 2008, students with a SAT I Critical Reading score of at least 510 and a Writing score of 500 are eligible to exempt the essay requirement of the Regents' Test. Students with a SAT I Writing score of 560 or more are eligible to exempt the essay requirement of the Regents' Test. In addition, students with an ACT Reading score of 23 or more are eligible to exempt the reading requirement of the test. Students with a score of at least 22 on the ACT Combined English/Writing and also an ACT Reading score of at least 23 are eligible to exempt the essay requirement of the Regents' Test. All test scores must be from a national administration of the SAT or ACT. Scores from an institutional or residual test administration will not be acceptable for Regents' Test exemptions.

Students with College Board Advanced Placement (AP) English score of at least 3 or an International Baccalaureate (IB) higher-level English writing score of at least 4 will be considered as having fulfilled the essay requirement of the Regents' Test and do not need to take the essay portion of the Regents' Test.

The Regents' Test is administered every semester. The Testing Services Center will register all enrolled students who have not taken or have not successfully passed both parts of Regents' Test each semester. Students must take the Regents' Test each semester of enrollment until successful completion of both parts. Students who have not satisfied the Regents' Test requirement before accumulating 45 earned credit hours, must enroll in the Regents' Skills courses each subsequent semester until satisfaction of requirement. Regents' Skills courses are classified as a regular part of the student's academic load, resulting in institutional credit.

Students with 45 or more semester hours requesting to test at another USG institution must provide proof of enrollment in the necessary remedial course(s) to Testing Services (which must be accompanied by a transient form from the Registrar's Office) at least three weeks prior to the test date. Student must also register for the examination at the transient institution and follow the institution's guidelines.

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Out-of-state testing is available for students who live outside of Georgia and are expected to complete their degree requirements without attending classes at a location in Georgia. Students are required to enroll in the appropriate remediation courses at an accredited institution of higher education and fulfill all remediation requirements before testing. Students must provide all necessary documentation to Testing Services Center at least one month prior to the FVSU scheduled Regents' Test administration for the semester. Students must provide a current mailing address, phone number, and social security number to Testing Services Center. Proof of enrollment in the required course work must be forwarded to Testing Services Center from the college at which the course(s) are to be taken. Students must contact the responsible person in the testing or counseling office at an accredited college in the vicinity where they wish to be tested to arrange for a time and pay applicable administration fees. The person who will administer the test must send a letter on the college's letterhead to the test coordinator indicating his/her willingness to administer the exam. The Regents' Testing Program Office will mail the appropriate materials and instructions for testing to the person administering the test. The tests will be scored and reported at the regularly scheduled times.

Academic Profile

The Academic Profile is administered to history classes once during the academic year, usually in the Fall of the year. The information is utilized primarily as baseline data for Outcomes Assessment. The results are sometimes used by faculty to modify instructional practices in order to meet the identified needs of certain cohorts.

ACCUPLACER

All students enrolling in Fort Valley State University for the first time, not having taken freshmen English or Mathematics courses are required to take a placement examination before registering for classes. These tests are administered at the beginning of each semester during the registration period. Persons meeting CPC and the minimum SAT/ACT admissions' requirements will take ACCUPLACER tests in math, English, and Reading Comprehension on computer. A separate essay examination will also be administered.

Computer-Adaptive Placement Assessment and Support System (COMPASS)

Students enrolling in Fort Valley State University for the first time who do not satisfy an admissions' requirement in Math and/or English, (this includes both high school course work and SAT/ACT scores), are required to take the COMPASS before enrolling in classes. These tests are administered prior to registration at the beginning of each semester.

Independent Study Test Administration

Fort Valley State University does administer Independent Study Test(s) for other institutions. Examinees are required to set up an appointment and pay an administration fee that is assessed by the hour. The administration fee is waived for currently enrolled Fort Valley State students who take the test during regular business hours (Monday-Friday, 8:00am to 5:00pm).

Student Instructional Report II (SIR II)

The Testing Services Center facilitates students' evaluation of instruction via the Student Instruction Report II (SIR II) instrument copyrighted by the Educational Testing Service (ETS). SIR II evaluations are conducted during the Fall semester of every academic year. Only classes and labs with at least one credit hour and that have five completed surveys returned to Testing

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Services by the deadline will be evaluated. No valid conclusions can be made about classes with less than five surveys. Another evaluation option for the aforementioned faculty and class(es) is an observation conducted by senior faculty, department head and/or dean.

Guidelines For Testing (Additional guidelines may be required for specific tests. Consult the Testing admission's packet before the test date for details.)

- Current picture ID is required. Photo identification with a signature is preferred.
- Bring pens and sharpened #2 pencils. The Testing and Test Preparation Center usually will have additional pens and/or pencils, but is not required to do so. No pencil sharpeners will be available.
- Bring a jacket in the event that the testing room is cold. Testing Services cannot alter the temperature in the buildings in which it tests.
- Examinees are required to remain for the full test session unless given other directions by Testing and Test Preparation Center staff.
- All phones, beepers, and alarm watches must be turned to the off position.
- Testing aids are not permitted unless stated in the directions by Testing and Test Preparation Center staff.
- Cheating (which includes any form of dishonesty) is not permitted.
- Behaviors that disturb other test takers are not permitted.
- Examinees may be dismissed for failing to follow the instructions of Test Center Staff. All fees will still apply.
- Testing accommodations will be provided when accompanied by documentation from Differently-Abled Services or the testing company for which Fort Valley State University Testing and Preparation Programs Center acts as a test site. Only documented accommodations will be observed as long as they meet specific disability guidelines for the specific test. Documentation must be provided to Testing Services at least two weeks before a test date.
- For examinations given outside of the regular work days, a fee will also be assessed for any examinee. Regardless of the scheduled time, a fee will be assessed for examinations given to non-FVSU students.

Requirements for Graduation

To graduate with a bachelor's degree, a minimum of 125 semester hours of course work is required, including institutional requirements for orientation to the University, military science, and/or physical education course work. Major programs requiring more than the 125-hour minimum are so designated. The minimum required cumulative average for graduation is 2.00. A higher graduating GPA is required for programs related to teacher certification.

Additional Requirements for Graduation

1. A candidate who has completed considerable work in another accredited institution must have spent a full academic year or two semesters in residence at Fort Valley State University or the equivalent in summer sessions. During this term of residence, a candidate must earn at least 30 hours with an average grade of "C" (2.00) or better in courses designated as junior and senior courses, including at least 20 hours in the area of major concentration. Certain restrictions apply for courses taken through extension, correspondence, independent study, and other means (see appropriate sections in this Catalog.)

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2. A candidate for graduation must be enrolled in the University during the semester that he/she completes academic requirements.
3. All courses in the major and all professional courses in education, for students in the teacher-training curricula, must have been completed with a minimum grade of "C." Each candidate for graduation must have completed English 1101 and 1102 with a minimum grade of "C."
4. By Georgia legislative action in 1923, 1953 and 1976, each student is required to take and pass a course or an examination on the history of the United States, the History of Georgia, and the provisions and principles of the United States Constitution and the Constitution of Georgia. Satisfactory completion of Political Science 1100, American Government, will meet the requirement on federal and state constitutions; and satisfactory completion of History 2111 or 2112, United States History, will fulfill the national and state history requirements.
5. A candidate must have obtained a satisfactory score on the Regents' Test, indicating performance at the acceptable competency level in reading and writing. Other proficiency examinations or major area examinations must be satisfied as required.
6. **Each candidate for graduation is required to file with the Registrar, an *Application for Graduation* by the announced deadline for Spring, or Fall graduation conferral dates. This application requires the payment of a *non-refundable* graduation fee. A new application and graduation fee are required if the applicant fails to meet all degree requirements during the semester for which the original application was filed.**

Candidates must apply for graduation by the following deadlines:

Term of Expected Graduation/Completion	Application Deadline
Fall Semester	September 1
Spring Semester	February 1
Summer Semester	July 1

7. **Late graduation application penalty.** Students who do not complete their applications for graduation by the published deadline will be assessed a penalty of \$35.00 the first day and an additional \$10.00 per day thereafter, not to exceed \$65.00.
8. Each candidate for graduation must achieve a required score on his /her major exit examination(s) for the major. All required assessments must have been completed.

Graduation with Honors

To graduate with honors, the following overall (cumulative) grade point averages apply:

Cum Laude (with honor)	3.00 - 3.49
Magna Cum Laude (with high honor)	3.50 - 3.74
Summa Cum Laude (with highest honor)	3.75 - 4.00

Double Majors

An undergraduate student is eligible to have a double major recorded on his/her transcript and to graduate with two majors under the condition that all of the requirements for the two degree programs are satisfied, including all residency and institutional requirements for each major.

Posthumous Award of Degrees

Fort Valley State University may award a posthumous undergraduate or graduate degree to a student who met the following conditions:

- was in good academic standing,

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- had no disciplinary sanctions pending, and
- whose death was not the result of illegal behavior on the part of the student.

Additionally, the student should have successfully completed 75% (94 semester hours) of the degree requirement. Graduate students must be within 90% successful completion of course work and research/thesis. A student who does not meet the 75% or 90% completion rate may be granted a *Certificate of Attendance* along with a letter of condolence from the University.

The University will observe **three degree conferral dates—May, July, and December.**

- **May conferral date.** Students who complete **all** graduation requirements by the end of the Spring Semester will have a May conferral date on their diplomas.
- **July conferral date.** Students who complete **all** graduation requirements by the end of the Summer Semester will have a July conferral date on their diplomas.
- **December conferral date.** Students who complete **all** graduation requirements by the end of the Fall Semester will have a December conferral date on their diplomas.

Students' Privacy Rights

The Family Educational Rights and Privacy Act (FERPA)

Fort Valley State University is covered by the Family Educational Rights and Privacy Act (FERPA) of 1974. FERPA is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education.

FERPA gives parents certain rights with respect to their children's education records. **These rights transfer to the student when he or she reaches the age of 18 or attends a school beyond the high school level.** Under this Act, students have the right to: (1) inspect and review education records maintained by the institution that pertain to them, (2) challenge the content of records on the grounds that they are inaccurate, misleading or a violation of their privacy or other rights, and (3) control disclosures from their education records with certain exceptions.

Board of Regents' Policy on Access to Records

Any student, regardless of age, who is or has been in attendance at Fort Valley State University has the right to inspect and review his/her education records within a reasonable period of time (not to exceed 45 days) after making a request. However, the student shall not have access to: (1) financial records of parents, (2) confidential letters of recommendation placed in the record prior to January 1, 1975, or (3) letters of recommendation concerning admission, application for employment or honors for which the student has voluntarily signed a waiver.

When the student and the official responsible for a particular record are unable to resolve questions as to the accuracy of information contained therein, the student shall have an opportunity for an impartial hearing to challenge the contents of his record. For additional information please contact the Office of the Assistant to the President and/or Office of Admissions and Enrollment

Students' Rights and Grievance Procedures

Fort Valley State University promotes the fair exercise of due process for students. Students should attend class. While every effort should be made to encourage students to be prompt in

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arriving to class, students cannot be excluded from class attendance owing to lateness alone. Faculty members are referred to the policy which equates tardiness with absenteeism.

Committees for Student Grievances are established annually at the University to hear cases related to academics and other student grievances resulting from actions of faculty and administrative staff members. Examples of these grievances are listed in the Student Handbook. Copies of this handbook are available from the Office of Student Affairs. The University encourages resolution of grievances at the lowest administrative level and in the most equitable way possible, recognizing that the burden of proof rests with the complainant. Some common concerns among faculty may be:

- **Student Academic Dishonesty.** Expulsion or suspension from the University or any lesser sanction may be imposed for the commission of offenses involving cheating or defraud on examinations. Examples of such offenses include giving assistance not authorized by the instructor in the preparation of an essay, laboratory report, examination or other assignment included in an academic course; taking or attempting to take, steal, or otherwise procure in an unauthorized manner, any material pertaining to the conduct of a class, including but not limited to examinations, laboratory experiments, and roll books; and plagiarizing.
- **Plagiarism.** The appropriation of someone else's ideas, passages arguments, interpretation of events or factual information, in either hard copy or electronically, demonstrates a lack of integrity and is unacceptable at Fort Valley State University. Other examples of plagiarism include submitting someone else's work/assignment as one's own, submitting purchased papers as one's own, and submitting papers from the Internet as one's own.

Students who are guilty of plagiarism are subject to disciplinary action. Acts of plagiarism must be reported to the Department Head, Dean, Vice President for Academic Affairs, and the Vice President for Student Affairs for appropriate action.

Student Conduct and Sanctions. Fort Valley State University is dedicated not only to excellence in learning and to the advancement of knowledge, but also to the development of ethically sensitive and responsible persons. It seeks to achieve these goals through sound educational programs and through policies governing student conduct. Such policies encourage independence and maturity. The University may apply sanctions when student conduct directly and significantly interferes with the University's mission and responsibilities. A faculty member should attempt to resolve disruptions within the classroom prior to engaging the Department Head. Disruptions of a magnitude which threaten individual safety or significantly disrupt instruction should be brought to the immediate attention of Campus Security, if not resolved otherwise. Sexual or physical harassment should be brought to the attention of the next level supervisor immediately and/or reported to the College Dean, the Vice President for Academic Affairs, and/or the Vice President for Student Affairs, and/or the Affirmative Action Officer.

Steps Toward Redress. A student who feels that he/she has a grievance should first seek to resolve this by discussion with the faculty or administrative staff member involved. When the informal means fail to resolve the problem, the student may file a grievance according to guidelines published in the Student Handbook.

ACADEMIC PROGRAMS and CURRICULA

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[University System Core Curriculum](#)
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General Education Outcomes

The baccalaureate degree program consists of a minimum of 125 semester hours of study. The Core Curriculum constitutes 60 of these required hours. The remaining requirements are a minimum 30 semester hours for the major concentration. Institutional requirements constitute five (5) semester hours. Consistent with the University's mission, students are expected to demonstrate specific competencies upon graduation. These expectations are described as *General Education Outcomes* and as *Outcomes for the Major*.

Statements of General Education Outcomes - These performance standards form the basis of instruction for all course offerings at the University, but particularly the Core Curriculum. More than one course in an area of the Core addresses the same general education outcomes. However, not all outcomes are equally present in Core offerings; some are embedded in courses within the major degree offerings or in learning support courses. The seven general education outcomes statements are:

- **Students will demonstrate the ability to write clearly.**
- **Students will demonstrate the ability to speak effectively.**
- **Students will demonstrate the ability to read proficiently.**
- **Students will exhibit the ability to comprehend critically.**
- **Students will demonstrate quantitative competency.**
- **Students will demonstrate the ability to use computers and technology.**
- **Students will exhibit an understanding and appreciation of cultural and ethnic differences between people.**

University System Core Curriculum

AREA A

Essential Skills		9 hours
English Requirements	6 hours	
ENGL 1101*	English Composition I	3 hours
ENGL 1102*	English Composition II	3 hours
Mathematics Requirements:	3 hours	
MATH 1101	Mathematical Modeling	3 hours
MATH 1111	College Algebra	3 hours
MATH 1113	Pre-Calculus	4 hours
MATH 1154	Calculus I	4 hours

*Required

AREA B

Institutional Options		4 - 5 hours
AGED 2821	Youth Leadership Development	1 hour
BUSA 1980	Professional Development	1 hour
BUSA 1990	Leadership	1 hour
COMM 1110*	Public Speaking	3 hours
EDUC 1001	Library Skills	1 hour
FCSC 2200	Effective Living	2 hours
MATH 1201	Problem Solving Strategies	1 hour
SOCI 2008	Cultural Diversity	hours

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*Required

AREA C

Humanities and Fine Arts		6 hours
ENGL 2111*	or World Literature I	
ENGL 2112*	World Literature II	3 hours
Choose three hours from the following:		
ARTH 1000	Art Appreciation	3 hours
FREN 1001	Elementary French I	3 hours
FREN 1002	Elementary French II	3 hours
FREN 2001	Intermediate French I	3 hours
FREN 2002	Intermediate French II	3 hours
HUMN 2004	Introduction to Fine Arts	3 hours
JAPN 1001	Elementary Japanese I	3 hours
JAPN 1002	Elementary Japanese II	3 hours
JAPN 2001	Intermediate Japanese I	3 hours
JAPN 2002	Intermediate Japanese II	3 hours
MUSC 1000	Music Appreciation	3 hours
PHIL 2000	Introduction to Philosophy	3 hours
PHIL 2002	Ethics	3 hours
SPAN 1001	Elementary Spanish I	3 hours
SPAN 1002	Elementary Spanish II	3 hours
SPAN 2001	Intermediate Spanish I	3 hours
SPAN 2002	Intermediate Spanish II	3 hours

* Required

AREA D

Science, Mathematics, and Technology 10-11 hours

Option 1 - Non-Science Majors

Science		8 hours
Select two courses from the following (one must be a laboratory science course):		
BIOL 1104K	Introductory Biology	4 hours (3-2)
BIOL 1105	Environmental Science	3 hours (3-0)
BIOL 1107K	Principles of Biology I	4 hours (3-2)
BIOL 1108K	Principles of Biology II	4 hours (3-2)
BOTN 2001K	General Botany	4 hours (3-2)
CHEM 1101K	Introductory Chemistry I	4 hours (3-2)
CHEM 1102K	Introductory Chemistry II	4 hours (3-2)
CHEM 1151K	Survey of Chemistry I	4 hours (3-2)
CHEM 1152K	Survey of Chemistry II	4 hours (3-2)
CHEM 1211K	Principles of Chemistry I	4 hours (3-2)
CHEM 1212K	Principles of Chemistry II	4 hours (3-2)
GEOL 1121	Physical Geology	4 hours (3-2)
GEOL 1122	Earth History	4 hours (3-2)
GEOG 1230	Introduction to Physical Geography	3 hours (3-0)
PHSC 1101	Physical Science I	3 hours (3-0)
PHSC 1102	Physical Science II	3 hours (3-0)
PHYS 1111 K	Introductory Physics I	4 hours (3-2)
PHYS 1112K	Introductory Physics II	4 hours (3-2)
PHYS 2211K	Principles of Physics I	4 hours (3-2)
PHYS 2212K	Principles of Physics II	4 hours (3-2)
ZOOL 2001K	General Zoology	4 hours (3-2)
ZOOL 2201K	Human Anatomy and Physiology I	4 hours (3-2)
ZOOL 2202K	Human Anatomy and Physiology II	4 hours (3-2)

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Mathematics and Technology

3 hours

Choose **one** of the following:

CSCI 1153	Introduction to Computers	3 hours (1-4)
MATH 1112	Trigonometry	3 hours
MATH 1154	Calculus I	4 hours
MATH 2113	Elementary Statistics	3 hours
MATH 2203	Introduction to Linear Algebra	3 hours

Option 2 - Science Majors

8 hours

BIOL 1107K	Principles of Biology I	4 hours (3-2)
BIOL 1108K	Principles of Biology II	4 hours (3-2)
BOTN 2001K	General Botany	4 hours (3-2)
CHEM 1211K	Principles of Chemistry I	4 hours (3-2)
CHEM 1211K	Principles of Chemistry II	4 hours (3-2)
GEOL 1121	Physical Geology	4 hours (3-2)
PHYS 1111K	Introductory Physics I	4 hours (3-2)
PHYS 1112K	Introductory Physics II	4 hours (3-2)
PHYS 2211K	Principles of Physics I	4 hours (3-2)
PHYS 2212K	Principles of Physics II	4 hours (3-2)
ZOOL 2001K	General Zoology	4 hours (3-2)
ZOOL 2201K	Human Anatomy and Physiology I	4 hours (3-2)
ZOOL 2202K	Human Anatomy and Physiology II	4 hours (3-2)

Mathematics and Technology

3 hours

Choose **one** of the following:

CSCI 1153	Introduction to Computers	3 hours (1-4)
MATH 1112	Trigonometry	3 hours
MATH 1154	Calculus I	4 hours
MATH 2113	Elementary Statistics	3 hours
MATH 2203	Introduction to Linear Algebra	3 hours

AREA E

Social Sciences

12 hours

HIST 1111*	A Survey of World Civilization to Early Modern Times	3 hours
or		
HIST 1112	A Survey of World Civilization from Early Modern Times	3 hours
HIST 2111*	A Survey of U. S. History to Post Civil War Period	
or		
HIST 2112	A Survey of U. S. History from Post Civil War Period to Present	3 hours
POLS 1101*	American Government	3 hours
GEOG 1231	Introduction to World Regional Geography	3 hours
PSYC 1101	General Psychology	3 hours
SOCI 1101	Introduction to Sociology	3 hours
ECON 2105	Principles of Macroeconomics	3 hours
ECON 2106	Principles of Microeconomics	3 hours

***Required**

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AREA F

Area F consists of 18 hours of core-level courses in the major and related areas. It is different for each major. The Area F requirements are included in the Program of Study for each degree program. The total semester hour requirement for the Core Curriculum is 60.

Institutional Course Requirements Beyond the Core Curriculum

To meet graduation requirements, students must meet certain institutional requirements beyond the Core Curriculum requirements. The following general education requirements are needed in addition to those specified in the core curriculum.

1. **Four hours of 1000 level physical education (PEDW) activity courses must be taken and completed, including PEDW 1402 or, a four course military science (MILS) sequence of MILS 1110-1120-2110 and 2220 may be substituted** for the institutional requirement of physical education on a one for one basis up to the maximum of four credit hours. Only one (1) hour for each military science course taken will be credited toward the Institutional Physical Education Requirement to include PEDW 1402. Students who do not complete the (MILS) military science sequence of four course sequence must complete the remaining hours in physical education, of which, one class **must** be PEDW 1402.

Physical education requirements are waived for veterans serving 180 days or more with submission of separation papers (Form DD-214). MILS 2230 or (Form DD-214) may also substitute for the basic MILS courses (1110-2220) and Physical Education requirements.

2. **FVSU 0100, Orientation to the University, is required of all students** with the exception that students who transfer from USG institutions will enroll at the discretion of the department. Students who transfer from institutions outside of the USG are required to enroll in FVSU 0100.

Specifically, Orientation to the University assists students in gaining an understanding of the following: (1) history, policies and services of the University; (2) college survival skills needed to foster excellent study habits and positive social adjustment at the University, and (3) techniques and skills to make realistic career choices. **Students are not permitted to withdraw from or drop FVSU 0100.**

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New Student Orientation

Mr. Ashley Ballard
201 Royal C. Peabody Building
(478) 822-1070

Mr. Brian Byrd
Lottie M. Lyons Student Center
478-825-6290

The First-Year Experience (FYE) is a comprehensive program of academic and co-curricular activities promoting the successful transition of entering students to college life at Fort Valley State University. The First-Year Experience is an Academic Affairs and Student Affairs Partnership for Student Success. A major component of the FYE is New Student Orientation. A student's first-year is important to student success. The FYE plans programs so that students will become acquainted with student life, activities and services at Fort Valley State University.

The Honors Program

The Honors Program (HP) at Fort Valley State University is designed to identify, challenge and channel the intellectual curiosity and capabilities of the academically superior student. The program provides students with the opportunity to achieve academic excellence through a variety of learning experiences, including independent study, scholarly research, and group interactions such as in seminars, forums, and workshops.

Participation in the Honors Program is open to all students who:

1. Are **Presidential Scholars, Dean Scholars**
2. Are participants in the **Cooperative Developmental Energy Program (CDEP)**,
3. Have demonstrated outstanding **High school achievement** (Eligible candidates enter with a minimum high school grade point average of 3.50 on a 4.00 scale in academic subjects and a minimum combined SAT score of 1100),
4. Performed well on **Achievement Tests** (Students who score 4 or more in Advanced Placement courses or on any of the three-hour, Level 3 Difficulty MAPS achievement tests may be permitted to enroll in Honors sections in the specific discipline), or
5. Demonstrate academic excellence through **College achievement** (Eligible freshman and sophomore students or transfer students will have a cumulative GPA of at least 3.30 and no grade lower than a "C").

Honors sections of general education courses are available for freshmen and sophomores. Thirty (30) hours are required. For juniors, 6 hours of Colloquium are required. For seniors, 9 hours of Research Thesis are required. In order to be in good standing in the Honors Program, a student must maintain a cumulative GPA of 3.0 in all courses with no grade lower than a "C".

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Degree Programs

Fort Valley State University is organized into three colleges: the College of Agriculture, Home Economics and Allied Programs, the College of Arts, Sciences and Education, and the College of Graduate Studies and Extended Outreach. Academic departments within these colleges offer major degree programs of study leading to the award of the Associate, Baccalaureate, Master's, and Specialist Degrees. The Doctor of Education Degree is offered cooperatively with the University of Georgia.

Major Degree Programs

Fort Valley State University is authorized by the Board of Regents to award the following:

Bachelor of Arts with Majors in:

- Commercial Design
- Criminal Justice
- Economics
- English
- History
- Liberal Studies
- Mass Communication
- Political Science
- Psychology
- Sociology

Bachelor of Arts in Music

Bachelor of Business Administration with Majors in:

- Accounting
- General Business
- Management
- Marketing

Bachelor of Science with Majors in:

- Agriculture Engineering Technology
- Biology
- Chemistry
- Computer Information Systems
- Computer Science
- Mathematics
- Veterinary Technology

Bachelor of Science in Agriculture with Majors in:

- Agricultural Economics
- Agricultural Education
- Animal Science
- Ornamental Horticulture
- Plant Science

Bachelor of Science in Education with Majors in:

- Early Childhood Education/Special Education
- Middle Grades Education

Bachelor of Science in Electronics Engineering Technology

Bachelor of Science in Family and Consumer Sciences with Majors in:

- Food and Nutrition
- Infant and Child Development

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Bachelor of Science in Public Service with Majors in:

Criminal Justice

Bachelor of Social Work

Master of Science with Majors in:

Animal Science

Biotechnology

Early Childhood Education

Middle Grades Education

School Counselor Education

Mental Health Counseling

Rehabilitation Counseling

Master of Public Health with a Major in:

Environmental Health

Minors

A student has the option of selecting one or more minor areas of concentration. Minors will be recorded on the student's transcript. Requirements for a minor are determined by the department in which the minor is taken.

Special Programs and Outreach Initiatives

Fort Valley State University responds to the busy lifestyles of today's students through its degree programs offered through extended outreach. Regular and non-traditional students are provided flexible scheduling options to earn a college degree. Administrative, academic, and student support systems are provided to ensure students access to a quality educational experience comparable to that provided on campus.

Fort Valley State University in Warner Robins

Undergraduate courses are scheduled daily, including evening hours and on Saturdays in Warner Robins. Courses are selected in collaboration with academic Department Heads and faculty within the colleges in which the given major degree program is offered. Comprehensive student support services are provided on site, including advisement, registration, fee payment, and textbook sales.

Evening Classes

Evening classes are scheduled to provide working adults with the opportunity and advantage of entering or completing degree programs, or taking individual courses for personal enrichment. The objectives of evening courses are identical to those of courses taught during the day. The instructors are regular University faculty. Academic standards are maintained at the same level as in day courses. Admission and registration procedures are identical to those of day programs.

Online (Web-based) Offerings

Through the offering of online or web-based courses of study, Fort Valley State University provides quality educational programs of study to students independent of their geographic locations. Students who are situation bound, that is, students who are unable to attend college

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because of family, work, and other responsibilities are able to pursue a college degree via the Internet. Online courses are facilitated using WebCT Software (see [http:// www.fvsu.edu](http://www.fvsu.edu) for additional information).

FVSU's online courses are designed for the highly motivated and independent student who is willing to devote as much time and effort to web-based learning as to traditional classroom offerings. The student should be comfortable using technology and have time management and organizational skills. Fort Valley State University's online courses are listed with the Southern Regional Electronic Campus and the Georgia Learning Alliance.

Five programs are available online. The four undergraduate programs offered fully online include

- B.A., Criminal Justice
- B.A. English in Technical and Professional Writing
- B.A., Political Science
- B.A., Psychology

The M.S. in Rehabilitation Counseling and Case Management also is available online.

External Degree Programs

Fort Valley State University is authorized by the Board of Regents to provide designated resident degree (External Degree) programs in Warner Robins, Georgia. The academic quality of these programs and the support services provided are equivalent to programs and courses offered on the Fort Valley State University campus. Additionally, students have access to the library, computer labs and other facilities located on the main campus in Fort Valley. Approved degree programs include:

- Fort Valley State University in Warner Robins
 - B.B.A. in Business Administration –Management
 - B.E.E.T. in Electronic Engineering Technology
 - B.S. in Computer Information Systems
 - B.S. in Computer Science
 - B.S.W. in Social Work
 - M.P.H. in Environmental Health
 - M.S. in School Counselor Education
 - M. S. in Mental Health Counseling
 - M. S. in Rehabilitation Counseling and Case Management

Non-Credit Programs

Non-credit activities follow broader and more flexible guidelines than credit classes, and are designed to provide occupational development, personal enrichment and leisure courses for residents of Middle Georgia. Courses are scheduled according to instructional need and vary from three hours to one year. Costs are determined on a contract basis, and vary according to content, instructional needs and operational expenses. Admission is open to the public, regardless of age.

Student records are maintained by the Graduate Studies Office and are permanent, thereby allowing transcripts to be generated. Many activities are offered for certification through the award of Continuing Education Units (CEUs).

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Certification Programs

Certification programs are designed to assist participants in preparing for new careers, professions or occupations, or to upgrade one's existing career, professional or occupational skills. Participants are enabled to function effectively in the community or in the work place.

Fort Valley State University's CEU programs are accredited by the University System of Georgia and the Southern Association of Colleges and Schools. Continuing education credits (CEUs) are provided on the basis of clock hours and student performance. Nationally used criteria for CEUs are subscribed to by the University. (Ten clock hours of successful student performance equals one CEU.) Continuing Education Units (CEUs) are not equivalent to academic credits, and the two may not be interchanged.

Community Services

Fort Valley State University strives to use its many resources to help enhance and develop the regional community that it serves. The physical and human resources of the University are available to assist individuals and groups in the development of educationally related programs and to assist in resolving community problems. Fort Valley State University personnel are available as resource persons, consultants, speakers, and as representatives of the University to serve on community-based projects. Under certain conditions, the facilities of the University may be used by local organizations to present educational programs to community audiences.

Contract Programs

Special educational programs, both non-credit and academic credit, are available to local businesses and organizations. These programs are based upon organizational needs, and are contracted on an individual organizational basis. They may be delivered at the organization's location, on the Fort Valley State University campus, or at some other designated site. They are further designed to meet employer specifications and blend state-of-the-art knowledge with on-the-job needs.

Institutional Assessment and Effectiveness

Fort Valley State University, in a commitment to ensure excellence in its educational and academic programs, has implemented a continuous program of institutional effectiveness and student assessment. These assessment activities are used to assess academic programs and student achievement, perceptions and attitudes. This information plays an important role in the determination of college policies and academic requirements. **All students are required to participate** in various assessment activities to determine how well the institution is achieving its mission of preparing students for careers and advanced study.

COLLEGE OF AGRICULTURE, HOME ECONOMICS AND ALLIED PROGRAMS

Agricultural Research Program
Cooperative Extension Program
Department of Agricultural Instruction
 Agricultural Economics
 Agricultural Engineering Technology
 Pre-Agricultural Engineering
 Animal Science
 Ornamental Horticulture
 Plant Science
 Crop Science Option
 Horticulture Option
 Environmental Soil Science Option
 Biotechnology Option
Department of Electronic Engineering Technology
Department of Family and Consumer Sciences
 General Program Requirement for All Majors
 Child Development Programs
 Food and Nutrition Major and Hotel Administration
 Infant and Child Development
Department of Veterinary Science

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**College of Agriculture, Home Economics,
and Allied Programs**

**Dr. Mark Latimore, Jr., Interim Dean
103 Alva Tabor Agriculture Building
478/825-6327**

The College of Agriculture, Home Economics and Allied Programs is committed to providing a leadership role in assisting the University in fulfilling its land-grant mission, while simultaneously providing educational programs and services which address the needs of citizens that are designed to enrich their lives. This commitment is actualized through Agricultural Research, Cooperative Extension, and Resident Instruction. Agricultural Research and Cooperative Extension programs provide educational outreach and services offered by the College. In the Instructional Program, there are four academic units, namely, the Departments of Agricultural Instruction, Electronic Engineering Technology, Family and Consumer Sciences, and Veterinary Technology. Together these four departments provide classroom instruction, research and field experiences which respond to state, regional, national, and world needs, thereby providing a cadre of well-trained personnel to meet both human and societal needs.

Agricultural Research Program

Fort Valley State University Agricultural Research Station scientists are involved on a daily basis with agricultural and environmental issues through collaborative and cooperative arrangements with the Georgia Experiment Station, state agencies, federal agencies and other organizations.

The Agricultural Research Program has primarily a dual focus: (1) improving the ability of the agricultural sector in providing food and fiber in quantity and quality at a price that consumers can afford, and (2) assessing those factors which impact the environment and influence the quality of life for the state's citizens with special attention given to limited resource residents, both farm and non-farm. Projects range from the very basic to the more applied and include studies related to the use of technology, improved species, testing and development of new varieties and the production and processing of food and fiber products. Also included are studies aimed at assessing the impact of federal, state, national and international programs on the quality of life for residents of Georgia.

To a large extent, researchers and professional extension staff are engaged in resident instruction programs as joint appointees. Joint opportunities enhance the totality of program efforts of the College in increasing the quality of life of students, families, communities, organizations, and related agencies associated with the agricultural food and fiber industry.

Cooperative Extension Program

The Cooperative Extension Program at Fort Valley State University, as part of the College of Agriculture, Home Economics, and Allied Programs, is responsible for educational outreach and leadership in various disciplines. The program provides practical problem-oriented learning opportunities for those persons who do not or cannot participate in formal classroom instruction offered on campus. As a functional part of the Georgia Extension Service and the United States Department of Agriculture, the program specifically seeks to identify and develop educational programs for a diverse clientele which includes the rural disadvantaged, working homemakers,

Fort Valley State University

part-time and small family farmers, community leaders, youth, small business persons and other members of the general public in Georgia.

Through its staff of Program Leaders, Subject Matter Specialists, County Extension Agents, County Extension Program Assistants, and support personnel, the Program provides educational services in four primary areas: Agriculture and Natural Resources, Family and Consumer Sciences, Community Resource Development and 4-H Youth and Manpower Development. In addition, and through the identification of National Priority Initiatives, the Cooperative Extension Program in partnership with the National Extension System, addresses national priority initiatives essential to the social and economic well-being of all citizens.

Department of Agricultural Instruction (Sciences)

Dr. Mark Latimore, Department Head
103 Alva Tabor Agriculture Building
478/825-6327

The Department of Agricultural Instruction includes programs in the following areas: Agricultural Economics, Agriculture Education, Animal Science (with technology and science options), Agricultural Engineering Technology, Ornamental Horticulture and Plant Science (with biotechnology, crops, environmental soil science, and horticulture options). Bachelor of Science degrees in Agriculture and Agricultural Engineering Technology are offered through the department.

Curricular areas within the department provide an education rich in the basic sciences, agriculture and other applied sciences. Students who pursue these areas of study are prepared for entry into graduate and professional schools, employment as teachers, agri-business managers, researchers, scientists, as well as for positions with industry and governmental agencies. Courses offered within the department are designated AGECE, AGED, AENT, ANSC, HORT, PSCI, and SSCI.

Agricultural Economics

Dr. Mohammed Ibrahim, Coordinator
155 Stallworth Research Building
478/825-6262

The Agricultural Economics curriculum provides students with the basic theory and technical skills needed for graduate and professional schools. Students also receive the basic knowledge and skills necessary to become entrepreneurs, for entry and advancement in professional careers in agricultural economics, agribusiness and related industries. These career fields include, but are not limited to, sales and service, management, merchandising, and analytical and statistical work with private or public sector entities.

Agricultural Economics Major Program of Study for the B. S. Degree in Agriculture Total Number of Degree Hours: 125

Freshman Year	Fall Semester	Spring Semester
	MATH 1113	MATH 1154
	AGED 2821	ENGL 1102
	BIOL 1107K	HIST 1112

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	ENGL 1101	ECON 2106
	PEDW 1402	COMM 1110
	FVSU 0100	PEDW
	AGEC 2801	
	17 credits	17 credits
Sophomore Year	ACCT 2101	HIST 2111
	ENGL 2111 or 2112	ECON 2105
	ANSC 2803	GEOG 1230
	SOCI 2008	POLS 1101
	CHEM 1102K	PSCI 1804
	PEDW	PEDW
	16 credits	17 credits
Junior Year	AGEC 3853	ECON 3113
	ECON 3103	BUSA 3213
	PHIL 20002	AGEC 3843
	AGEC 3813	AGEC 4823
	SSCI 2804K	Electives
	Electives ¹	
	17 credits	16 credits
Senior Year	AGEC 4813	AGEC 4853
	AGEC 4833	AGEC 4843
	Elective ¹	AGEC 4864
	Elective ¹	Elective ¹
	12 credits	12 credits

¹AGEC electives are encouraged; other electives may be selected with the approval of the academic advisor, coordinator or department head.

²PHIL 2002 may be substituted

Agricultural Economics Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		10 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	Pre-calculus	4
Area B: Institutional Options		5 semester hours
COMM 1110	Public Speaking	3
SOCI 2008	Cultural Diversity	2
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111 or 2112	World Literature I or II	3

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One of the following:

PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3

Area D: Science, Math and Technology: **11 semester hours**
(A science course with a lab is required)

CSCI 1153	Introduction to Computers	3
CHEM 1102K	Introductory Chemistry II	4
BIOL 1107K	Principles of Biology I	4

Area E: Social Sciences **12 semester hours**

HIST 1111 or 1112	History of Civilization I or II	3
HIST 2111 or 2112	U. S. History to 1865	3
POLS 1101	American Government	3
ECON 2105	Principles of Macroeconomics	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

B. Major Requirements

Area F: Courses Related to the Program of Study **16 semester hours**

AGRI 1801	Introduction to Agriculture	1
AGED 2821	Youth Leadership Development	1
ANSC 2803	General Animal Science	3
SSCI 2804	Soil Science	4
ECON 2106	Principles of Microeconomics	3
PSCI 1804	Plant Science	4

Area G: Major Requirements **45 semester hours**

AGEC 2801	Introduction to Agricultural Economics	3
AGEC 2802	Farm Management	2
AGEC 3813	Agricultural Finance and Records	3
AGEC 3843	Research Methods	3
AGEC 3853	Cooperative Education/Internship	2
AGEC 4813	Agricultural Price Analysis	3
AGEC 4823	Marketing Agricultural Products	3
AGEC 4843	Production Economics	3
AGEC 4853	Natural Resource Economics	2
AGEC 4864	Special Problems in Agricultural Economics	3
AGEC 4833	Agricultural Policy	2
ACCT 2101	Principles of Accounting I	3
ECON 3103	Intermediate Microeconomics	3
ECON 3113	Intermediate Macroeconomics	3
ECON 3213	Statistics for Business and Economic	3
MATH 1154	Calculus	4

II. Electives (Suggested Optional Courses – select 15 hours) **15 semester hours**

MATH 1111	College Algebra	3
MATH 1112	Trigonometry	3
AGEC 2803	Introduction to Agriculture Sales	2
ECON 3203	Quantitative Methods	3
GEOG 3302	Economic Geography	3

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AGEC 4873	Agricultural Cooperative Structures	2
AGEC 4863	Forest Resource Economics	3
AGEC 4883	Commodity Futures and Options Markets	3
ECON 4103	International Economics	3
BUSA 4103	Investments and Real Estate Analysis	3
BUSA 3313	Legal, Social, Ethical Environments of Business	3
ECON 4163	Economic Development	3
AENT 2803	Wood and Metal Technology	3
AENT 2823	Soil and Water Conservation	3

C: Institutional Requirements		5 semester hours
PEDW 1402	Fitness and Lifestyles Assessment	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Introduction to the University	1

Agricultural Education

Dr. Curtis Borne, Coordinator

104 Alva Tabor Building

478/825-6262

The Agriculture Education curriculum is designed to: (1) develop in prospective teachers a knowledge of subject matter in agriculture essential for planning and implementing programs of agricultural education, (2) increase the understanding of the problems confronting teachers of agriculture in teaching young and adult groups and to develop ability and skills to teach such groups, (3) develop in prospective teachers the ability to think reflectively through the kinds of problems encountered by teachers of agriculture, and to develop the skills and attitudes necessary for solving these problems, (4) develop self-confidence in prospective teachers and the ability to organize courses in agriculture in accordance with sound educational principles, (5) prepare students for graduate study. Agricultural Education courses are designated AGED.

REQUIREMENTS FOR TEP (Teacher Education Program) ADMISSION:

- Cumulative GPA of 2.50 or better, with no grade below “C” on all attempted core hours.
- Complete at least 50 semester hours of core courses.
- Pass both sections of the Regents’ Exam.
- Pass Praxis I or GACE Basic Skills exam or be exempt. (1000 on SAT verbal and math; 43 on ACT English and math).
- Complete Pre-professional Block (PPB) courses, COED 2110, and Pre-Professional Block Portfolio Review.
- Have an acceptable background check.
- Have an acceptable rating on dispositions instrument.
- Submit a writing sample.
- Complete the interview process.
- Submit three (3) letters of recommendation
- Have proof of liability insurance.
- Have proof of membership in GAESP or SPAGE.

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REQUIREMENTS FOR ENROLLMENT IN METHODS COURSE

- Maintain admission requirements in TEP.
- Complete AGED 3823, AGED 4821, and related field experience with “C” or Better.
- 12 hours of content courses with no grade lower than a “C”.
- Approval to enroll in the Block Course.

REQUIREMENTS FOR ENROLLMENT IN STUDENT TEACHING

- Maintain admission requirements in TEP.
- Completion of ALL content course work, with no grade lower then a “C”.
- Complete Methods Block II with a “C” or better.
- Take PRAXIS II or GACE (in all required areas) prior to the first day of student teaching.
- Cumulative GPA of 2.5 or higher.

GRADUATION REQUIREMENTS

- 2.5 GPA and Passing Score on GACE Subject Area Assessment.

Agricultural Education Major
Program of Study for the B. S. Degree in Agriculture
Total Number of Degree Hours: 125

Freshman Year	Fall Semester	Spring Semester
	ENGL 1101	ENGL 1102
	MATH 111	CSCI 1153
	HIST 1112	CHEM 1101
	BIOL 1107	POLS 1101
	AGRI 1801	FVSU 0100
	PEDW 1402	
	15 credits	14 credits
Sophomore Year	SSCI 2804	COMM 1110
	EDUC 2110	AGED 2821
	EDUC 2120	ITEC 2433
	PHIL 2000	AENT 2812
	EDUC 2130	ANSC 2803
	EDUC 2110P	PSCI 1804
		PEDW or MILS
	15 credits	17 credits
Junior Year	AENT 2803	ENGL 2111 or 2112
	AGEC 2802	AGED 3823
	PSCI 3843	AGEC 4823
	HIST 2111	ANSC 3883

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	SSCI 3813	HORT 4803
		Elective
	15 credits	18 credits
Senior Year	AGED 4883	AGED 4895
	AGED 4821	Electives*
	19 credits	12 credits

*Electives should be in an area of science or agricultural specialization approved by advisor.

Agricultural Education Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		9 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3
Area B: Institution Options		5 semester hours
COMM 1110	Public Speaking	3
AGED 2821	Youth Leadership Development (1 hr. each)	2
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111 OR 2112	World Literature I or II	3
One of the following:		
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
Area D: Science, Math and Technology		11 semester hours
		(A science course with a lab is required.)
BIOL 1107K	Principles of Biology I	4
CHEM 1211K	Principles of Chemistry	4
CSCI 1153	Intro to Computers	3
Area E: Social Sciences		12 semester hours
POLS 1101	American Government	3
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
ECON 2106	Principles of Microeconomics	3
Regents' Test (Reading and Essay) must be taken after earning 30 semester hours		
Area F: Courses Related to Program of Study		17 semester hours
EDUC 2110	Investigating Critical & Contemporary Issues in Educ.	3
EDUC 2120	Exploring Socio-Cultural Perspectives on Diversity	3
EDUC 2130	Exploring Teaching and Learning	3
EDUC 2110	Pre-Professional Block Practicum	0
EDUC 2503	Exceptionalities in Instruction	3
AENT 2812	Farm Power and Machinery Tech (w/lab)	2
ANSC 2803	General Animal Science (w/lab)	3

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Area G: Major Courses		49 semester hours
AENT 2803K	Wood and Metal Technology	3
SSCI 2804K	Soil Science	4
PSCI 1804K	Plant Science	4
AGED 3823	Curriculum Development and Program Planning	3
AGED 4821	Assessment Seminar	1
AGED 4883	Methods of Teaching Agriculture	3
AGED 4895	Directed Teaching	12
AGEC 2802	Farm Management	3
AGEC 4823	Marketing Ag. Products	3
SSCI 3813K	Soil Fertility and Fertilizer	3
ANSC 3883K	Applied Animal Nutrition	3
HORT 4803K	Greenhouse Management	3
PSCI 3843K	Farm Forestry	3
AGRI 1801	Agricultural Orientation	1

Electives 11 hours selected in area(s) of concentration **12 semester hours**

C. Institutional Requirements 5 semester hours		
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Orientation to the University	1

Agricultural Engineering Technology

Dr. Chau Nguyen, Coordinator
103 Ellison Agriculture Building
478/825-6275

The Agricultural Engineering Technology (AENT) program prepares students with basic knowledge and practices of engineering, technology, and management for careers in food and agricultural industries. Students should be able to develop skills to integrate technical knowledge, computer applications, business management, and communication abilities. Job opportunities include: manufacturing and processing operation management, technical sales and services, materials handling, quality assurance, materials and product testing, production agriculture and alternative energy. The AENT curriculum permits the student to select five elective courses for their minor in areas such as computer instrumentation, business management, pre-medical/dental, environmental soil sciences, and food engineering. The curriculum also prepares students for graduate study in agricultural system management. Agricultural Engineering courses are designated as AENT.

Agricultural Engineering Technology Major
Program of Study for the B. S. Degree in Agriculture
Total Number of Degree Hours: 133

Freshman Year	Fall Semester	Spring Semester
	ENGL 1101	ENGL 1102
	CHEM 1211K	CHEM 1212K

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	MATH 1113	BIOL 1107K
	AENT 1813	POLS 1101
	PEDW 1402 ¹	AENT 1802
	FVSU 0100	PEDW ¹
	AENT 1801	
	17 credits	18 credits
Sophomore Year	HIST 1111 or 2112	ENGL 2111 or 2112
	MATH 1154	MATH 2164
	AENT 2833	SOCI 2008
	PHYS 1111K	COMM 1110
	PEDW ¹	HIST 2111 or 2112
	AENT 2803	PEDW ¹
	18 credits	16 credits
Junior Year	AENT 3823	AENT 3832
	ECON 2105	ACCT 2101
	PSCI 1804 2	AENT 3853
	AENT 3843	AGEC 2802 ²
	PHYS 1112	SSCI 2804 ²
	PHIL 2000	
	17 credits	17 credits
Senior Year	AENT 4873	AENT 4803
	AENT 4881	AENT 4813
	AENT 4833	AGEC 48232
	Electives ³	AENT 4903
	Electives ³	Electives ³
	10 credits	12 credits

¹MILS sequence may be substituted

²Required courses with alternates

³Elective courses with alternates

Agricultural Engineering Technology Major

Total Number of Degree Hours: 133

A. Core Requirements

Area A: Essential Skills

10 semester hours

Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	Precalculus	4

Area B: Institutional Options

5 semester hours

COMM 1110	Public Speaking	3
SOCI 2008	Cultural Diversity	2

Area C: Humanities/Fine Arts

6 semester hours

ENGL 2111 or 2112	World Literature I or II	3
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One of the following:

ARTH 1000	Art Appreciation	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
HUMN 2004	Introduction to Fine Arts or Foreign Language	3

Area D: Science, Math and Technology **10 semester hours**
(A science course with a lab is required.)

MATH 1154	Calculus I	4
BIOL 1107K	Principles of Biology I	4
CHEM 1211K	Principles of Chemistry I	4

Area E: Social Sciences **12 semester hours**

HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
ECON 2105 or 2106	Principles of Macroeconomics or Microeconomics	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

B. Major Requirements

Area F: Courses Related to the Program of Study **15 semester hours**

MATH 2164	Calculus II	4
CHEM 1212K	Principles of Chemistry II	4
PHYS 1111K	Introductory Physics I	4
AENT 1813	Engineering Graphics	3

Area G: Major Requirements **52 semester hours**

AENT 1802	Comp. Appl. in Eng. Tech	3
PHYS 1112K	Introductory Physics II	4
AENT 2833	Surveying	3
ACCT 2101	Principles of Accounting I	3
SSCI 2804	Soil Science	4
AENT 2803	Wood and Metal Technology	3
AENT 3823	Electricity/Electronics Application to Agriculture	3
AENT 3832	Instrumentation	2
AENT 3843	Introduction to Materials	3
AENT 4873	Structures and Environments	3
AENT 4813	Soil and Water Conservation	3
AENT 3853	Power for Agriculture	3
AENT 4833	Machinery for Agriculture	3
AENT 4803	Handling and Processing of Agricultural Products	3
AENT 4881	Senior Seminar	1

One of the following:

PSCI 3813	Principles of Weed Control	3
PSCI 1804	Plant Science	4

One of the following:

AGEC 4823	Marketing Agricultural Products	3
MKTG 4811	Principles of Marketing	3

One of the following:

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AGEC 2802	Farm Management	2
MNGT 3103	Principles of Management	2
MNGT 3202	Human Resource Management	2
MNGT 3303	Operations and Production Management	2

Electives (Select 18 hours from the following) 18 semester hours

AENT 3813	Air Conditioning and Refrigeration	3
AENT 4863	Power Transmission	3
AENT 4843	Reinforced Concrete	3
AENT 4823	Electric Motors and Control	3
AENT 4853	Water Resource Technology	3
AENT 4903	Special Topics and Projects	3
BUSA 4103	Investments and Real Estate Analysis	3
BUSA 3103	Financial Management	3
MATH 2113	Elementary Statistics	3
CSCI 1301	Principles of Programming	3
CSCI 3332	Fortran	3
CSCI 3331	C/UNIX	3
CSCI 2201	Digital Fundamentals	3
PHYS 2211	Physics I	3
CSCI 3320	Intro to Comp. Instrumentation & Measurement Syst.	3

C. Institutional Requirements 5 semester hours

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Orientation to the University	1

Animal Science

Dr. Govind Kannan, Coordinator

478/827-3085

146 Meat Technology Building

The Animal Science Program is designed to prepare students in the basic and applied sciences including animal nutrition, genetics, physiology; food microbiology, processing, and preservation; as well as molecular biology, etiology, and research methodology. Graduates of the Animal Science Program will be well prepared to pursue higher education studies in animal nutrition, physiology, molecular/reproductive biology, and food science or to be gainfully employed in private and public entities involved in production, processing, distribution and utilization of animal products. Animal Science courses are designated ANSC.

Animal Science Major (Technology Option)

Program of Study for the B. S. Degree

Total Number of Degree Hours: 125

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Freshman Year	Fall Semester	Spring Semester
	BIOL 1107K	ANSC 1811
	ENGL 1101	ENGL 1102
	CHEM 1211K	CHEM 1212K
	MATH 1111	MATH 1112
	ANSC 1801	PEDW ¹
	PEDW 1402	HIST 1111 or 1112
	FVSU 0100	
	17 credits	15 credits
Sophomore Year	POLS 1101	HIST 2111 or 2112
	PHYS 1111K	ECON 2105 or 2106
	ANSC 2813	ANSC 2803
	MATH 2113	ENGL 2111 or 2112
	BUSA 1980	PHYS 1112K
	PEDW ¹	PEDW ¹
	Elective	
	18 credits	17 credits
Junior Year	ANSC 3873	COMM 1110
	ZOOL 2201K	CHEM 2222K
	CHEM 2221K	ANSC 3813
	PHIL 2002	ANSC 4841
	Elective	ZOOL 2202K
	17 credits	15 credits
Senior Year	CHEM 3250K	ANSC 3883
	BIOL 4234K	ANSC 4853
	HORT 3823	FDNU 3843
	ANSC 4822	Electives*
	13 credits	13 credits

¹MILS sequence may be substituted

Animal Science Major (Science Option) Program of Study for the B. S. Degree in Agriculture Total Number of Degree Hours: 125

Freshman Year	Fall Semester	Spring Semester
	BIOL 1107K	ANSC 1811
	ENGL 1101	ENGL 1102
	CHEM 1211K	CHEM 1212K
	MATH 1111	MATH 1112
	PEDW 1402	PEDW
	FVSU 0100	HIST 1111 or 1112
	ANSC 1801	
	17 credits	15 credits
Sophomore Year	POLS 1101	HIST 2111 or 2112
	ZOOL 2201K	ECON 2105 or 2106
	ANSC 2813	ANSC 2803

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	PHIL 2002	ENGL 2111
	MATH 1154	COMM 1110
	BUSA 1980	PEDW ¹
	PEDW ¹	Elective
	Elective	
	19 credits	19 credits
Junior Year	ANSC 3873	PHYS 1112K
	PHYS 1111K	CHEM 2222K
	CHEM 2221K	ANSC 3883
	MATH 2113	ANSC 4841
	ANSC 3823	
	17 credits	12 credits
Senior Year	BIOL 4254K	ANSC 4813
	CHEM 3250K	ANSC 3813
	ANSC 4833	Electives
	ANSC 4822	
	13 credits	13 credits

¹ MILS sequence may be substituted.

Animal Science Major (Science Option)

Total number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills **9 semester hours**

ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3

Area B: Institutional Options **4 semester hours**

COMM 1110	Public Speaking	3
BUSA 1980	Professional Development I	1

Area C: Humanities/Fine Arts **6 semester hours**

ENGL 2111 or 2112	World Literature I or II	3
PHIL 2002	Ethics	3

Area D: Science, Math and Technology **10 semester hours**

(A science course with a lab is required.)

BIOL 1107K	Principles of Biology I	4
CHEM 1211K	Principles of Chemistry I	4
MATH 1112	Trigonometry	3

Area E: Social Sciences **12 semester hours**

HIST 1111 or 1112	A Survey of World Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
ECON 2105 or 2106	Principles of Macroeconomics of Microeconomics	3

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Area F: Courses Related to the Program of Study		18 semester hours
CHEM 1212K	Principles of Chemistry II	4
ZOOL 2201K	Human Anatomy and Physiology I	4
MATH 2113	Elementary Statistics	3
PHYS 1111K	Introductory Physics I	4
ANSC 2803	General Animal Science	3

B. Major Requirements		60 semester hours
ANSC 1801	Social Interaction and Behavior of Animals	1
ANSC 1811	Introduction to Animal Agriculture	1
ANSC 2813	Biotechnology in Animal Science	3
ANSC 3813	Principles of Meat Science	3
ANSC 3873	Basic Animal Nutrition	3
ANSC 4841	Animal Science Seminar	1
ANSC 4822	Senior Research	2
ANSC 3883	Applied Animal Nutrition	3
PHYS 1112K	Introductory Physics II	4
CHEM 2221K	Principles of Organic Chemistry I	4
CHEM 2222K	Principles of Organic Chemistry II	4
BIOL 6254K	Genetics	4
ANSC 3823	Anatomy and Physiology of Domestic Animals	3
ANSC 4813	Animal Breeding	3
CHEM 3250K	Principles of Biochemistry	4
MATH 1154	Calculus I	4
ANSC 4833	Reproduction and Cell Physiology	3
Electives		10

Electives - Select 11 Semester Hours from the Following:		11 semester hours
ANSC 3833	Swine Production	3
ANSC 3843	Livestock Judging	3
ANSC 3853	Beef Cattle Production	3
ANSC 3863	Dairy Cattle Production	3
ANSC 3891	Cooperative Education in Animal Science	1
ANSC 3803	Incubation and Brooding	3
ANSC 3913	Poultry Management	3
ANSC 4803	Poultry Nutrition	3
ANSC 4853	Animal Products Technology	3
AGED 1801	Agricultural Orientation	1
AENT 2803	Wood and Metal Technology	3
AENT 2823	Soil and Water Conservation	3
AENT 2833	Surveying	3
AENT 3803	Building and Related Structures	3
SSCI 2804	Soil Science	4
AGEC 4853	Natural Resources Economics	3
AGEC 2802	Farm Management	2
VETY 2893	Veterinary Microbiology	3
VETY 4843	Artificial Insemination and Embryo Transfer	2
CSCI 1153	Introduction to Computers	3
CSCI 1301	Principles of Programming I	4
MNGT 3103	Principles of Management	3
Or other Junior or Senior Level Course from Biology or Chemistry		

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C. Institutional Requirements		5 semester hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Orientation to the University	1

Animal Science Major (Technology Option)

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills 9 semester hours

Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3

Area B: Institutional Options 4 semester hours

COMM 1110	Public Speaking	3
BUSA 1980	Professional Development I	1

Area C: Humanities/Fine Arts 6 semester hours

ENGL 2111 or 2112	World Literature I or II	3
PHIL 2002	Ethics	3

Area D: Science, Math and Technology: 10 semester hours

(A science course with a lab is required.)

BIOL 1107K	Principles of Biology I	4
CHEM 1211K	Principles of Chemistry I	4
MATH 1112	Trigonometry	3

Area E: Social Sciences 12 semester hours

HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
ECON 2105 or 2106	Principles of Macroeconomics or Microeconomics	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

Area F: Courses Related to the Program of Study 18 semester hours

CHEM 1212K	Principles of Chemistry II	4
ZOOL 2201K	Human Anatomy and Physiology I	4
MATH 2113	Elementary Statistics	3
PHYS 1111K	Introductory Physics I	4
ANSC 2803	General Animal Science	3

B. Major Requirements 60 semester hours

ANSC 1801	Social Interaction and Behavior of Animals	1
ANSC 1811	Introduction to Animal Agriculture	1
ANSC 2813	Biotechnology in Animal Science	3
ANSC 3883	Applied Animal Nutrition	3
ANSC 3873	Basic Animal Nutrition	3

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ANSC 4841	Animal Science Seminar	1
HORT 3823	Food Processing	3
ANSC 4853	Animal Products Technology	3
ANSC 4822	Senior Research	2
ANSC 3813	Principles of Meat Science	3
ZOOL 2202	Human Anatomy & Physiology II	4
CHEM 2221K	Principles of Organic Chemistry I	4
CHEM 2222K	Principles of Organic Chemistry II	4
PHYS 1112K	Introductory Physics II	4
BIOL 4234K	Microbiology	4
CHEM 3250K	Principles of Biochemistry	4
FDNU 3843	Food Preservation	3

Electives - Select 10 Semester Hours from the Following: 10 semester hours

ANSC 3833	Swine Production	3
ANSC 3843	Livestock Judging	3
ANSC 3853	Beef Cattle Production	3
ANSC 3863	Dairy Cattle Production	3
ANSC 3891	Cooperative Education in Animal Science	1
ANSC 3803	Incubation and Brooding	3
ANSC 3913	Poultry Management	3
ANSC 4803	Poultry Nutrition	3
AGED 1801	Agricultural Orientation	1
AENT 2803	Wood and Metal Technology	3
AENT 2823	Soil and Water Conservation	3
AENT 2833	Surveying	3
AENT 3803	Building and Related Structures	3
SSCI 2804	Soil Science	4
AGEC 4853	Natural Resources Economics	3
AGEC 2802	Farm Management	2
VETY 2893	Veterinary Microbiology	3
VETY 4843	Artificial Insemination and Embryo Transfer	2
CSCI 1153	Introduction to Computers	3
CSCI 1301	Principles of Programming I	4
MNGT 3103	Principles of Management	3

Or other Junior or Senior Level Courses from Biology or Chemistry

C. Institutional Requirements 5 semester hours

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Orientation to the University	1

Fort Valley State University

Ornamental Horticulture

Dr. Mark Latimore, Coordinator

103 Alva Tabor Building

478/825-6327

The curriculum in Ornamental Horticulture offers students opportunities to acquire basic skills in plant identification, plant production, landscaping and business management. The curriculum prepares majors for immediate employment in nurseries and greenhouses as wholesalers and retailers and for teaching fields. Additionally, graduates are prepared to enter into graduate programs.

Ornamental Horticulture Major
Program of Study for the B. S. Degree in Agriculture
Total Number of Degree Hours: 125

Freshman Year	Fall Semester BIOL 1107K ENGL 1101 CHEM 1211K MATH 1111 PEDW 1402 FVSU 0100 16 credits	Spring Semester PSCI 1804 ENGL 1102 CHEM 1212K MATH 1112 PEDW1 AGRI 1801 16 credits
Sophomore Year	HIST 1111 or 1112 POLS 1101 ECON 21052 HORT 3813 SSCI 2804 PEDW ¹ 17 credits	HIST 2111 or 2112 BOTN 2001 ANSC 2803 COMM 1110 ENGL 2111 or 2112 PEDW ¹ 17 credits
Junior Year	MATH 2113 PHYS 1111 CHEM 2221K HORT 3833 Electives ³ 14 credits	ACCT 2101 PSCI 3862 ZOOL 3203K SSCI 3812 17 credits
Senior Year	PSCI 4811 HORT 4863 HORT 4852 BIOL 4234K Electives ³ 13 credits	HORT 4852 HORT 4803 PHIL 2000 HORT 4813 Electives ³ 15 credits

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B. S. Degree in Ornamental Horticulture Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills **9 semester hours**

Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3

Area B: Institutional Options **5 semester hours**

COMM 1110	Public Speaking	3
Electives from Area B		2

Area C: Humanities/Fine Arts **6 semester hours**

ENGL 2111 or 2112	World Literature I or II	3
One of the following:		
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3

Area D: Science, Math and Technology **10 semester hours**

(A science course with a lab is required.)

BIOL 1107K	Principles of Biology I	4
CHEM 1211K	Principles of Chemistry I	4
MATH 1112	Trigonometry	3

Area E: Social Sciences **12 semester hours**

HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
ECON 2105 or 2106	Principles of Macro Economics or Microeconomics	3
Regents' Test (Reading and Essay) must be taken after earning 30 semester hours		

B. Major Requirements

Area F: Courses Related to the Program of Study **18 semester hours**

PHYS 1111	Introductory Physics I	4
BOTN 2001	General Botany	4
CHEM 1212K	Principles of Chemistry II	4
MATH 2113	Elementary Statistics	3
HORT 2823	Introduction to Horticulture	3

Area G: Major Courses **60 semester hours**

HORT 2813	Pest Control	3
SSCI 2804	Soil Science	4
PSCI 1804	Plant Science	4
HORT 3813	Plant Propagation	3
CHEM 2221	Principles of Organic Chemistry I	4
PSCI 3862	Plant Physiology	3
HORT 4813	Nursery Management	3
HORT 3832	Landscaping Materials	3

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CHEM 3341	Principles of Analytical Chemistry	4
SSCI 3813	Soil Fertility and Fertilization	3
PSCI 4811	Seminar	1
BIOL 4234	Genetics	4
HORT 4833	Turf Management	3
HORT 4852	Senior Research	4
HORT 4863	Ornamental Systematic	3
HORT 4803	Greenhouse Practices	3

II. Electives (Select 8 semester hours) 8 semester hours

HORT 3842	Basic Floral Design	3
HORT 3852	Cooperative Education	2
HORT 3823	Food Processing	3
HORT 4823	Marketing Technology	3
PSCI 3853	Plant Pathology	3
HORT 4843	Flower Production	3
AENT 2803	Wood and Metal Technology	3
CSCI 1153	Introduction to Computers	3
PSCI 3813	Principles of Weed Control	3
ACCT 2101	Principles of Accounting I	3
ZOOL 3203	General Zoology	4

C. Institutional Requirements 5 semester hours

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Orientation to the University	1

Plant Science

Dr. Mark Latimore, Coordinator
103 Alva Tabor Building
478/825-6327

The Plant Science curriculum prepares students for professional career opportunities in fields related to biotechnology, environmental soil sciences, crops, and horticulture. Areas of concentration in the curriculum include: ornamental horticulture, crop science, environmental soil science, horticulture (vegetables) and biotechnology. Students selecting either option will take courses in analytical chemistry, organic chemistry, genetics, physics, botany and related sciences. Courses in genetic engineering, techniques in molecular biology and biotechnology are included in the plant biotechnology curriculum and can serve as electives in each of the other areas of concentration. The program options and course electives allow students to tailor course work to their individual needs in specific areas of biotechnology, crop science, and environmental quality and protection. These areas of concentration prepare students for employment opportunities not only with public agencies, such as the Natural Resources Conservation Services, the Environmental Protection Agency, and the Cooperative Extension Service/Programs, but also with private industry involved in biotechnology, environmental consulting firms, universities and colleges.

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Students selecting the horticulture option utilize a cross-disciplinary approach to the production of horticultural crops, which is studied in the context of the entire ecological system. Core courses also provide students with the basic knowledge required to specialize in ornamental horticulture. A student in horticulture may enter fields including marketing and post harvest handling of vegetables, fruits, flowers or ornamental plants. The graduate may become a salesperson and/or technical advisor with a commercial firm, a greenhouse manager, a teacher in high school or technical school or an agricultural extension agent or work with other public agencies. The curriculum in Plant Science also prepares students for entrance into a graduate program. Courses offered by the department are designated HORT, PSCI and SSCI.

Plant Science Major (Crop Science Option) Program of Study for the B. S. Degree in Agriculture Total Number of Degree Hours: 125

Freshman Year	Fall Semester	Spring Semester
	FVSU 0100	ENGL 1102
	ENGL 1101	ANSC 2803
	MATH 1113	BOTN 2001
	BIOL 1107K	HIST 1111 or 1112
	POLS 1101	PEDW ¹
	PEDW 1402 ¹	Free Electives (Area B)
15 credits	16 credits	
Sophomore Year	CHEM 1211K	CHEM 1212K
	ENGL 2111	MATH 2113
	COMM 1110	PSCI 1804
	ECON 2105 ²	HIST 2111 or 2112
	SSCI 2804	PEDW
	PEDW ¹	Free Electives (Area C)
	18 credits	18 credits
Junior Year	PHYS 1111 or 12113	PSCI 3813
	CHEM 2221K	PSCI 3862
	PSCI 3822	BIOL 4234K
	SSCI 3813	CHEM 2222K
	Electives ⁴	
	15 credits	16 credits
Senior Year	CHEM 3341K	PSCI 3833
	PSCI 3853	PSCI 4811
	SSCI 4832	PSCI 4842
	CHEM 3250K	PSCI 4833
	Electives ⁴	Electives ⁴
	14 credits	13 credits

¹MILS sequence may be substituted

²Or ECON 2106

³Calculus background required

⁴Mutual agreement between advisor and student with strong emphasis on PSCI 4863 and ZOOL 3203K

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Plant Science Major (Crop Science Option) Program of Study for the B. S. Degree in Agriculture Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills 10 semester hours

Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	Pre-calculus	4

Area B: Institutional Options 4 semester hours

COMM 1110	Public Speaking	3
Electives from Area B (See Catalog)		2

Area C: Humanities/Fine Arts 6 semester hours

ENGL 2111 or 2112	World Literature I or II	3
Electives from Area B		3

Area D: Science, Math and Technology 11 semester hours

(A science course with a lab is required.)

BIOL 1107K	Principles of Biology I	4
CHEM 1211K	Principles of Chemistry I	4
MATH 2113	Elementary Statistics	3

Area E: Social Sciences 12 semester hours

HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
ECON 2105 or 2106	Principles of Macroeconomics or Microeconomics	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

B. Major Requirements

Area F: Courses Related to the Program of Study 16 semester hours

BOTN 2001	General Botany	4
SSCI 2804	Soil Science	4
CHEM 1212K	Principles of Chemistry II	4
PHYS 1111	Introductory Physics I	4

Area G: Major Courses 60 semester hours

ANSC 2803	Animal Science	3
PSCI 1804	Introduction to Plant Science	4
CHEM 2221	Principles of Organic Chemistry I	4
SSCI 3813	Soil Fertility and Fertilization	3
PSCI 3822	Crop Ecology	2
CHEM 3304	Principles of Biochemistry	4
PSCI 3813	Principles of Weed Control	3
CHEM 2222K	Principles of Organic Chemistry II	4
BIOL 4234	Genetics	4

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PSCI 3862	Plant Physiology	3
PSCI 3853	Plant Pathology	3
CHEM 3341K	Principles of Analytical Chemistry	4
SSCI 4832	Research Methods	2
PSCI 4863	Plant Biotechnology	3
PSCI 3833	Forage Crops and Pasture Management	3
PSCI 4811	Seminar	1
PSCI 4842	Sustainable Farming Systems	3
PSCI 4833	Principles of Plant Breeding	4

II: Electives (4 semester hours)

C. Institutional Requirements		5 semester hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Orientation to the University	1

Plant Science Major [Horticulture (Vegetable) Option] Program of Study for the B. S. Degree in Agriculture Total Number of Degree Hours: 125

Freshman Year	Fall Semester	Spring Semester
	FVSU 0100	PSCI 1804
	ENGL 1101	ENGL 1102
	MATH 1111	BOTN 2001
	BIOL 1107K	MATH 1112
	HIST 1111 or 1112	AGRI 1801
	PEDW 1402 ¹	PEDW ¹
	15 credits	15 credits
Sophomore Year	CHEM 1211K	HIST 2111 or 2112
	PHYS 1111	CHEM 1212K
	PHIL 2000	ANSC 2803
	HORT 3813	COMM 1110
	SSCI 2804	ENGL 2111 or 2112
	PEDW ¹	PEDW ¹
	16 credits	17 credits
Junior Year	ECON 2105 or 2106	PSCI 3862
	POLS 1101	HORT 3853
	CHEM 2221K	HORT 3803
	HORT 3833	SSCI 3812
	CHEM 3341K	MATH 2113
	17 credits	16 credits
Senior Year	PSCI 4811	ZOOL 3203K
	HORT 4863	HORT 4803
	HORT 4852	HORT 4852

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BIOL 4232	PHIL 2000
Electives ³	Electives ²
13 credits	17 credits

¹MILS sequence may be substituted

²Electives will be taken from the following courses: HORT 2813, HORT 3803, HORT 3843, HORT 3852, HORT 4823.

Plant Science Major (Horticulture Option)

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills **9 semester hours**

Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3

Area B: Institutional Options **4 semester hours**

COMM 1110	Public Speaking	3
AGED 2821	Youth Leadership Development	1

Area C: Humanities/Fine Arts **6 semester hours**

ENGL 2111 or 2112	World Literature I or II	3
One of the following:		
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3

Area D: Science, Math and Technology **10 semester hours**

(A science course with a lab is required.)

BIOL 1107K	Principles of Biology I	4
CHEM 1211K	Principles of Chemistry I	4
MATH 1112	Trigonometry	3

Area E: Social Sciences **12 semester hours**

HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
ECON 2105 or 2106	Principles of Macro Economics or Microeconomics	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

B. Major Requirements

Area F: Courses Related to the Program of Study **18 semester hours**

PHYS 1111	Introductory Physics I	4
BOTN 2001	General Botany	4
CHEM 1212K	Principles of Chemistry II	4
MATH 2113	Elementary Statistics	3
HORT 2823	Introduction to Horticulture	3

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Area G: Major Courses		60 semester hours
HORT 2813	Pest Control	3
SSCI 2804	Soil Science	4
PSCI 1804	Crop Science	4
HORT 3813	Plant Propagation	3
CHEM 2201	Organic Chemistry I	4
PSCI 3862	Plant Physiology	3
PSCI 3803	Fruit Science	3
HORT 3832	Landscaping Materials	3
CHEM 3341	Principles of Analytical Chemistry	4
ZOOL 3203	General Zoology	4
SSCI 3813	Soil Fertility and Fertilization	3
PSCI 4811	Seminar	2
BIOL 4254	Genetics	3
HORT 4833	Turf Management	3
HORT 4852	Senior Research	4
HORT 4863	Ornamental Systematic	3
HORT 4803	Greenhouse Practices	3
HORT 3853	Vegetable Crop	3
PSCI 3853	Plant Pathology	3

II. Electives 7 semester hours		7 semester hours
HORT 3842	Basic Floral Design	3
HORT 3852	Cooperative Education	2
HORT 3823	Food Processing	3
HORT 4823	Marketing Technology	3
ACCT 2101	Principles of Accounting I	3
HORT 4843	Flower Production	3
AENT 2803	Wood and Metal Technology	3
CSCI 1153	Introduction to Computers	3
PSCI 3813	Principles of Weed Control	3

C. Institutional Requirements		5 semester hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Orientation to the University	1

**Plant Science Major (Environmental Soil Science Option)
Program of Study for the B. S. Degree in Agriculture
Total Number of Degree Hours: 125**

Freshman Year	Fall Semester	Spring Semester
	FVSU 0100	ENGL 1102
	ENGL 1101	GEOL 1121
	MATH 1113	BOTN 2001
	BIOL 1107K	HIST 1111 or 1112
	POLS 1101	PEDW ¹
	PEDW 1402 ¹	Free Electives (Area B)
	16 credits	17 credits

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Sophomore Year	CHEM 1211K	CHEM 1212K
	ENGL 2111 or 2112	MATH 2113
	COMM 1110	PSCI 1804
	ECON 2105 or 2106	HIST 2111 or 2112
	SSCI 2804	PEDW ¹
	PEDW ¹	Free Electives (Area C)
	18 credits	18 credits
Junior Year	PHYS 1111 or	
	PHYS 12112	AENT 2823
	CHEM 2221K	CHEM 2222K
	SSCI 3813	PSCI 3833
	BIOL 4234K	SSCI 4823
	15 credits	13 credits
Senior Year	SSCI 4843	AENT 4853
	CHEM 3341K	SSCI 4814
	PSCI 4832	Elective ³
	Electives ³	PSCI 4811
	CHEM 3250K	Electives ³
	15 credits	13 credits

¹MILS sequence may be substituted

²Calculus background required

³Mutual agreement between advisor and students

Plant Science Major (Environmental Soil Science Option) Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		10 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	Pre-calculus	4
Area B: Institutional Options		5 semester hours
COMM 1110	Public Speaking	3
Electives from Area B		2
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111 or 2112	World Literature I or II	3
Electives from Area C		3
Area D: Science, Math and Technology		11 semester hours
		(A science course with a lab is required.)
BIOL 1107K	Principles of Biology I	4
CHEM 1211K	Principles of Chemistry I	4
MATH 2113	Elementary Statistics	3

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Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
ECON 2105 or 2106	Principles of Macroeconomics or Microeconomics	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

B. Major Requirements

Area F: Courses Related to the Program of Study		16 semester hours
BOTN 2001	General Botany	4
GEOL 1121	Introduction to Physical Geology	4
CHEM 1212K	Principles of Chemistry II	4
PHYS 1111	Introductory Physics I	4

Area G: Major Courses		60 semester hours
SSCI 2804	Soil Science	4
PSCI 1804	Introduction to Plant Science	4
CHEM 2221	Principles of Organic Chemistry I	4
SSCI 3813	Soil Fertility and Fertilization	3
BIOL 4254K	Microbiology	4
AENT 2823	Soil and Water Conservation	3
CHEM 3341K	Principles of Analytical Chemistry	4
PSCI 4832	Research Methods	2
CHEM 3250K	Principles of Biochemistry	4
AENT 4853	Water Resource Technology	3
SSCI 4814	Soil Morphology and Classification	3
PSCI 4811	Seminar	1
CHEM 2222K	Principles of Organic Chemistry II	4
PSCI 3833	Forage Crops & Pasture Management	3
SSCI 4823	Environmental Soil Chemistry	3
SSCI 4843	Environmental Soil Microbiology	3

II: Electives (6 semester hours)

C. Institutional Requirements 5 semester hours

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Orientation to the University	1

Plant Science Major (Biotechnology Option) Program of Study for the B. S. Degree in Agriculture Total Number of Degree Hours: 125

Freshman Year	Fall Semester	Spring Semester
	FVSU 0100	ENGL 1102
	ENGL 1101	PSCI 2803
	MATH 1113	BOTN 2001
	BIOL 1107K	HIST 1111 or 1112

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	POLS 1101 PEDW 1402 ¹ 16 Credits	PEDW ¹ Free Electives (Area B) 16 Credits
Sophomore Year	CHEM 1211K ENGL 2111 COMM 1110 ECON 21052 SSCI 2804 PEDW ¹ 18 Credits	CHEM 1212K MATH 2113 PSCI 1804 HIST 2111 or 2112 PEDW Free Electives (Area C) 18 Credits
Junior Year	PHYS 1111 or 1211 ³ CHEM 2221K PSCI 3883 PSCI 3853 or SSCI 3813 Electives ⁴ 17 Credits	PSCI 3862 BIOL 4252K CHEM 2222K Electives ⁴ 16 Credits
Senior Year	CHEM 3341K PSCI 4863 SSCI 4832 CHEM 3250K Electives ⁴ 14 Credits	PSCI 4843K PSCI 4811 PSCI 4833 Electives ⁴ 14 Credits

¹MILS sequence may be substituted

²Or ECON 2106

³Calculus background required

⁴Mutual agreement between advisor and student with strong emphasis on PSCI 4863 and ZOOL 3203K

Plant Science Major (Biotechnology Option)

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		10 Semester Hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	Pre-calculus	4
Area B: Institutional Options		5 Semester Hours
COMM 1110	Public Speaking	3
Electives from Area B		2
Area C: Humanities/Fine Arts		6 Semester Hours
ENGL 2111 or 2112	World Literature I or II	3
Electives from Area C (See Catalog)		3

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Area D: Science, Math and Technology		11 Semester Hours
(A science course with a lab is required.)		
BIOL 1107K	Principles of Biology I	4
CHEM 1211K	Principles of Chemistry I	4
MATH 2113	Elementary Statistics	3

Area E: Social Sciences		12 Semester Hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
ECON 2105	Principles of Macro Economics	3

B. Major Requirements

Area F: Courses Related to the Program of Study		16 Semester Hours
BOTN 2001	General Botany	4
SSCI 2804	Soil Science	4
CHEM 1212K	Principles of Chemistry II	4
PHYS 1111K	Introductory Physics I	4
Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.		

Area G: Major Courses		60 Semester Hours
PSCI 1804	Introduction to Plant Science	4
CHEM 2221K	Principles of Organic Chemistry I	4
CHEM 3250K	Principles of Biochemistry	4
CHEM 2222K	Principles of Organic Chemistry II	4
BIOL 4252K	Genetics	4
PSCI 3862	Plant Physiology	3
CHEM 3341K	Principles of Analytical Chemistry	4
SSCI 4832	Research Methods	2
PSCI 4863	Plant Biotechnology	3
PSCI 4811	Seminar	1
PSCI 4833	Principal of Plant Breeding	3
PSCI 2803	Introduction to Biotechnology	3
PSCI 3883	Genetic Engineering	3
PSCI 4843K	Techniques in Molecular Biology	3

One of the following:

SSCI 3813	Soil Fertility/Fertilization	3
PSCI 3853	Plant Pathology	3

Electives (Select 12 hours from Courses Below)		12 Semester Hours
PSCI 3813	Principles of Weed Control	3
ANSC 2803	Animal Science	3
BIOL 4234K	Microbiology	4
PSCI 4842	Sustainable Farming Systems	3
PSCI 3822	Crop Ecology	2

C. Institutional Requirements

5 Semester Hours		
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW	Activity PE (See Advisor)	1

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PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Orientation to the University	1

Department of Electronic Engineering Technology

Dr. Domingo Uy, P.E., Department Head

211 Alva Tabor Building

478/825-6264

The Department of Electronic Engineering Technology at Fort Valley State University offers the only Bachelor of Science degree in Electronic Engineering Technology in Middle Georgia.

This program is available on the Fort Valley campus and at the Warner Robins Center, 151 Osigian, Warner Robins.

The mission of the program is to serve the traditional, non-traditional and under-served students of the state and nation and to provide them with the necessary knowledge and skills in electronics engineering technology in order to pursue careers in electronics and the related fields. The program seeks to develop the student's ability to apply basic concepts and theories in the analysis and design of analog and digital circuits and systems and to use appropriate instrumentation for troubleshooting and analysis of electronic systems; to cultivate an awareness of the professional engineering standards and code of ethics; and to instill the value of teamwork and cooperation necessary for successful careers and living.

The field of Electronics constitutes one of the largest segments of today's industrial and technological operations. This is due to the society's total dependence on electronics for production, consumption, education and entertainment. Computers, automation in industry and at home, video and television, power generation and distribution, medicine and military defense are but a few areas heavily dependent on electronics technology.

This dependence has created a large demand for trained professionals in a wide range of activities related to design, development, production, operation and maintenance of electronic components and instruments and systems that utilize such components. The Electronic Engineering Technology program provides students with the engineering knowledge and technical skills to work in a variety of technological positions within the above areas, particularly in those dealing with application, implementation and production activities. Electronic engineering Technology courses are designated ELET.

EET PROGRAM EDUCATIONAL OBJECTIVES

The program Educational Objectives that have been established for the Bachelor of Science in Electronic Engineering Technology Degree at FVSU are given below.

Graduates are prepared to be practicing Electronic Engineering Technologists with the following attributes:

1. possess adequate technical knowledge in their discipline;
2. have problem solving skills necessary to succeed as engineering technologists;
3. have a well rounded general education background;
4. have good oral and written communication skills;
5. have awareness of professional ethics;

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6. have the ability for life-long learning; and
7. have an awareness of contemporary global issues and commitment to continuous improvement.

EET PROGRAM OUTCOMES

The program outcomes that have been established for the Bachelor of Science in Electronic Engineering Technology are given below. Students at the time of graduation will have:

1. an appropriate mastery of terminology, definitions, and laws related to analog and digital electrical and electronic circuits and systems;
2. an appropriate mastery of the principles of operation of semiconductor devices, electronic circuits, and techniques to analyze such circuits;
3. an appropriate mastery of the fundamentals of Boolean algebra, logic gates, combinational and sequential logic circuits, and basic architecture of microprocessor system;
4. an appropriate mastery of the fundamentals of electromagnetic phenomena and their use in understanding wave propagation in transmission lines, and electromagnetic radiation;
5. an ability to analyze and solve analog and digital circuits;
6. an ability to apply creativity in designing analog and digital circuits;
7. an ability to conduct experiments using general purpose lab equipment for measurement, data collection, and interpretation of data;
8. an ability to use modern software tools for circuit analysis and for report writing;
9. an ability to communicate effectively both in report writing and oral presentation;
10. an ability to function effectively in team activities;
11. an ability to understand Engineering Code of Ethics and solve ethical problems that may arise in the practice of the profession;
12. an ability to recognize the need for lifelong learning;
13. an awareness of cultural diversity, societal and global issues; and
14. an awareness for commitment to quality, timeliness, and continuous improvement.

Electronic Engineering Technology Major Program of Study for the B.S. Degree Total Number of Degree Hours: 133

Freshman Year	Fall Semester	Spring Semester
	CHEM 1211K	COMM 1110
	ELET 1100	ELET 1150
	ENGL 1101	ELET 1210
	MATH 1113	ENGL 1102
	HIST 1111 or 1112	MATH 1154 ⁶
	Area B Elective	POLS 1101
	PEDW 1402 ²	
	FVSU 0100	
	18 credits	18 credits
Sophomore Year	AENT 1813	ELET 2310
	ELET 1211	ENGL 2111 or 2112
	ELET 2500	HIST 2111 or 2112
	MATH 2164 ⁶	HUM Elective (Area C)
	PHYS 1111	PEDW ²

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	PHYS 1112 18 credits	18 credits
Junior Year	ELET 2570 ELET 3311 ELET 3800 ENGL 2053 SS Elective (Area E) PEDW ^{2,5} 18 credits	CPSC Elective ³ ELET 3500 ELET 3601 ELET Elective ⁴ ELET Elective ⁴ FCSC 2200 17 credits
Senior Year	ELET 4200 ELET 4312 ELET 4801 ELET 4701 ELET 4510 14 credits	ELET 4501 ELET 4520 ELET Elective ⁴ Free Elective 12 credits

B.S. Degree in Electronic Engineering Technology Total Number of Degree Hours: 133

A. Core Requirements

Area A: Essential Skills		10 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	PreCalculus	4
Area B: Institutional Options		4 semester hours
COMM 1110	Public Speaking	3
Electives from Area B		1
Area C: Humanities/Fine Arts		6 Semester Hours
ENGL 2111 or 2112	World Literature I or II	3
Electives from Area C		3
Area D: Science, Math and Technology		12 semester hours
		(A science course with a lab is required.)
MATH 1154	Calculus I	4
PHYS 1111	Introductory Physics I	4
PHYS 1112	Introductory Physics II	4
Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
Electives from Area E		3
Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.		

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B. Major Requirements

Area F: Courses Related to the Program of Study		16 semester hours
CHEM 1211K	Principles of Chemistry I	4
MATH 2164	Calculus II	4
ELET 1210	DC Circuit Analysis	4
ELET 1211	AC Circuit Analysis	4

Area G: Major Requirements		60 semester hours
ELET 1100	Orientation to Elec. Engr. Tech.	1
ELET 1150	Computer Applications in EET	1
ELET 2310	Electronic Devices and Circuits	4
ELET 2500	Principles of Digital System	3
ELET 2570	Electronic Drafting and CAD Appl.	3
ELET 3311	Electronic Circuits and Systems	4
ELET 3500	Digital Systems	4
ELET 3601	Communication Circuits and Systems	3
ELET 3800	Basic E/M and Electrical Machines	4
ELET 4200	Transform Applications	3
ELET 4312	Applications of Operational Amp.	3
ELET 4520	Programmable Controllers and Devices	3
ELET 4501	Microprocessor Application	3
ELET 4510	Industrial Electronics and Control	3
ELET 4701	Engineering Ethics	1
ELET 4801	E/M Field and Transmission Technology	4

II. Technical Electives		(9 semester hours)
ELET	Elective	3
ELET	Elective	3
ELET	Elective	3

III. Other Requirements		12 semester hours
ENGL 2053	Introduction to Technical Writing	2
CSCI Elective	CSCI 1301 or as approved by Dept.	4
AENT 1813	Engineering Graphics	3
Free Elective		3

C. Institutional Requirements		5 semester hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Orientation to the University	1

¹The B.S. Electronic Engineering Technology Program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, Inc. (111 Market Place, Suite 1050, Baltimore, MD 21202).

²Four hours of physical education or its equivalent in Military Science and one hour of orientation are required for each of the A.S.A. degrees in EET and the B.S. degree in EET.

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Department of Family and Consumer Sciences

Dr. Linda D. Johnson, Interim Department Head

Myers Hall

(478) 825-6234

Family and Consumer Sciences is a field of knowledge and service concerned with strengthening and enriching the lives of individuals and families in their communities. It draws on knowledge from its own research, the physical, biological and social sciences, and the arts and applies this knowledge for the preparation of creative graduates who recognize trends, anticipate needs and are capable of addressing themselves to problems not yet in existence in education and service areas. The three major programs offered by the Department of Family and Consumer Sciences are Family and Consumer Sciences Education, Food and Nutrition, and Infant and Child Development.

Each major degree program prepares graduates to be professional family and consumer scientists. These curricula are planned to (1) contribute to the general education of students, (2) provide for the personal development of students, including education for citizenship and family living and (3) develop education and professional competencies requisite for the pursuit of a career. Professional education in Family and Consumer Sciences Education prepares the student for careers in education, social welfare/public health and international service. The curriculum is planned to meet certification requirements for vocational family and consumer sciences.

The major program of study in Food and Nutrition prepares students to enter careers in industry, health care services, recreation and resort facilities, business and education. Graduates of the program meet requirements for entering an accredited dietetic internship program. The major program of study in Infant and Child Development prepares students to work with families in meeting the needs of infants and preschoolers (family/child care services); or they may choose careers in clinics and hospitals or child care facilities, such as nursery schools, kindergartens, day care centers, and child research centers. Courses offered by the department are designated as FCSC, FDNU and ICDV.

Accreditation

The department is accredited by the Council of Accreditation of the American Association of Family and Consumer Sciences. The didactic program in dietetics is developmentally accredited by the commission on Accreditation for Dietetics Education (CASE).

General Program Requirement for All Majors

All programs require active pre-professional participation in a professional organization. All majors may elect to join the American Association of Family and Consumer Sciences (AAFCS). Dues must be paid at the beginning of each school term. Infant/Child Development majors may elect to become members of the National Association for the Education of Young Children (NAEYC) or the Association for Childhood Education International (ACEI) in lieu of AAFCS membership. Majors in Food/Nutrition may become student affiliate members of the American Dietetic Association, Inc. Dues structures are similar for the three (3) organizations.

Child Development Programs

Child Development programs are designed to: (1) provide an educational setting for students to receive practical experiences in planning, guiding and evaluating activities for pre-school children

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under professional supervision, (2) maintain wholesome conditions through which students may develop case histories and conduct similar activities with children and their families and (3) allow for the development of research projects under supervised conditions which will increase knowledge and understanding in child growth and development. Additionally, Child Development programs: (1) provide developmentally appropriate activities which foster total well-being of preschool children ages 1 through 4 years, and (2) provide support to parents through a variety of activities which meet the needs of participating families and the community at large. Programs located on the campus include Pre-K, Nursery, and Toddler Labs. Also, a Pre-K Program is operated in Byron and Head Start in Taylor, Macon, Dooly, and Crisp counties.

Food and Nutrition Major **Program of Study for the B. S. Degree** **Total Number of Degree Hours: 125**

The program prepares students for an accredited dietetics internship and approved pre-professional practice programs with supervised practice experiences. This Didactic Program in Dietetic (DPD) is accredited by the American Dietetic Association (ADA).

Freshman Year	Fall Semester	Spring Semester
	ENGL 1101	ENGL 1102
	MATH 1111	HIST 1111 or 1112
	FCSC 1811	FDNU 1804
	ICDV 2813	POLS 1101
	CHEM 1211K	CHEM 1212K
	PEDW 1402	FVSU 0100
	CSCI 1153	PEDW
	18 credits	19 credits
Sophomore Year	SOCI 1101	ECON 2105
	HIST 2111 or 2112	PHIL 2002 or 2000
	ENGL 2111 or 2112	ZOOL 2001
	COMM 1110*	FCSC 2833
	PEDW ¹	PEDW ¹
	13 credits	14 credits
	¹ MILS sequence may be substituted.	
Junior Year	FDNU 3843	ACCT 2101
	CHEM 2221K	EPSY 2433
	ZOOL 2201	MATH 2113
	MNGT 3103	ZOOL 2202
	FCSC 2821	
	FCSC 1831	
	16 credits	12 credits
Senior Year	FCSC 3913	BIOL 4234K
	CHEM 3250	FDNU 4893
	FDNU 4863K	FDNU 4903K
	FDNU 4873K	FDNU 4478
	FDNU 4832	FDNU 4921
	MNGT 3203	
	17 credits	16 credits

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Minor in Food and Nutrition

Prerequisite Course		Hours
FDNU 1804K	Contemporary Nutrition	4

Courses in Minor

FDNU 3833	Life Span Nutrition	3
FDNU 4863K	Meal Planning	3
FDNU 4873K	Diet Therapy	3
FDNU 4882	Community Nutrition	2
FDNU 4893	Cellular Nutrition	3
FDNU 4903K	Institutional Foods	3
FDNU 4912K	Experimental Foods	3
FDNU 4921	Seminar in Foods and Nutrition	1
	Total	25

B. S. Degree in Food and Nutrition Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills 9 semester hours

Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3

Area B: Institutional Options 5 semester hours

One of the following:

COMM 1110	Public Speaking	3
FCSC 2831	International Issues	3

One of the following:

FCSC 2872	Community Involvement and Volunteerism	1
FCSC 2841	Seminar in Family and Consumer Sciences	1

Area C: Humanities/Fine Arts 6 Semester Hours

ENGL 2111 or 2112 World Literature I or II/III

One of the following:

PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3

Area D: Science, Math and Technology 10 semester hours

(A science course with a lab is required.)

CHEM 1211K	Principles of Chemistry I	4
CHEM 1212K	Principles of Chemistry II	4
CSCI 1153	Introduction to Computers	3

Area E: Social Sciences 12 semester hours

HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3

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One of the following:

PSYC 1101	General Psychology	3
SOCI 1101	Introduction to Sociology	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours

B. Major Requirements

Area F: Courses Related to the Program of Study 18 semester hours

FDNU 1804K	Contemporary Food and Nutrition	4
FCSC 1811	Orientation to FCS	1
FCSC 1831	Introduction to Technology in the Profession	2
ICDV 2813	Lifespan Development and Contextual Influences	3
FCSC 2821	International Issues in the Profession	3
FCSC 2833	Management: Systems, Theory and Practice	3
ZOOL 2001K	General Zoology	4

Area G: Courses in Major 60 semester hours

ACCT 2103	Principles of Accounting I	3
ECON 2105	Principles of Macroeconomics	3
ZOOL 2201	Human Anatomy and Psychology	3
ZOOL 2202K	Human Anatomy and Physiology II	4
CHEM 2221K	Organic Chemistry	4
EPSY 2433	Educational Psychology	3
FDNU 2811	Seminar in Food and Nutrition	1
MNGT 3103	Principles of Management	3
MNGT 3203	Human Resource Management	3
CHEM 3250K	Principles of Biochemistry	4
FDNU 3833	Life Span Nutrition	3
FCSC 3913	Management Residence	3
FDNU 4832	Community Nutrition	3
FDNU 4863	Meal Planning and Management	3
FDNU 4873K	Diet Therapy	3
FDNU 4893	Cellular Nutrition	3
FDNU 4903K	Institutional Foods	3
One of the following:		
FDNU 4912K	Experimental Foods	2
FDNU 4921	Seminar Nutrition	1

C. Institutional Requirements 5 semester hours

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Orientation to the University	1

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**Food and Nutrition Major and Hotel Administration
Dual Degree Program
Program of Study for the B. S. Degree
Total Degree Hours: 125**

Freshman Year	Summer ENGL 1101 MATH 1111 HIST 1111 or 1112 POLS 1101 ENGL 1102 FDNU 1804 FVSU 0100 BUSA 1980 22 credits	Fall MATH 2113 ICDV 2813 CHEM 1211K PEDW 1402 PEDW SOCI 1101 CSCI 1153 COMM 1110 21 credits	Spring FCSC 1811 CHEM 1212K HIST 2111 or 2112 FCSC 1831 10 credits
Sophomore Year	ENGL 2111 or 2112 PHIL 2000 or 2002 ZOOL 2001K FCSC 2833 PEDW FCSC 2821 ACCT 2101 CHEM 2221K 17 credits	ARTH 1000 or ZOOL 2201K MNGT 3103 FDNU 4863K FDNU 4912 PEDW CHEM 2222K 19 credits	
Junior Year	EPSY 2433 BIOL 4234K CHEM 3250 FCSC 3913 FDNU 4873K 18 credits	MGNT 3203 FDNU 3843 ZOOL 2202K FDNU 4903K FDNU 4921 18 credits	

**Infant/Child Development Major
Program of Study for the B.S. Degree
Total Number of Degree Hours: 125**

Freshman Year	Fall Semester ENGL 1101 CSCI 1153 HIST 1111 or 1112 FVSU 0100 BIOL 1104K PEDW 1402 ₁ Elective 15 credits	Spring Semester ENGL 1102 MATH 1101 or 1111 HIST 2111 or 2112 MUSC 1000 ICDV 2813 FCSC 1811 16 credits
Sophomore Year	COMM 1110 ENGL 2111 or 2112 POLS 1101 SOCI 1101 or PSYC 1101 HUMN 2004	CHEM 1101K FCSC 2833 ICDV 2833K FDNU 1804 SOCI 2008

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	PEDW1	
	PEDW1	
	17 credits	16 credits
Junior Year	ICDV 3833	FCSC 3913K
	FCSC 2854K	ICDV 3842
	FCSC 2821	ICDV 3853
	SPAN 1001/1002	ICDV 3862
	FDNU 3832	ENGL 4200
	Professional Option	FCSC 2872
		PEDW
	16 credits	16 credits
Senior Year	ICDV 4874K	ICDV 4909
	ICDV 4913	Professional Option
	PHED 3542	
	ICDV 4882	
	ICDV 4893K	
	Professional Option	
	17 credits	12 credits

Infant and Child Development Major Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		9 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1101 or	Math Modeling	3
MATH 1111	College Algebra	3
Area B: Institutional Options		5 semester hours
COMM 1110	Public Speaking	3
SOCI 2008	Cultural Diversity	2
Area C: Humanities/Fine Arts 6 semester hours		
ENGL 2111 or 2112	World Literature I or II	3
MUSC 1000	Music Appreciation	3
Area D: Science, Math and Technology		11 semester hours
		(A science course with a lab is required.)
BIOL 1104K	Biological Science	4
CHEM 1101K	Introductory Chemistry	4
CSCI 1153	Introduction to Computers	3
Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3

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One of the following:

PSYC 1101	Introduction to Psychology	3
SOCI 1101	Introduction to Sociology	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

B. Major Requirements

Area F: Courses Related to the Program of Study 18 semester hours

FCSC 1811	Orientation to FCS	1
FCSC 2833	Management: Systems, Theory and Practice	3
FCSC 2821	International Issues in the Profession	1
FDNU 1804	Contemporary Food and Nutrition	4
ICDV 2813	Lifespan Development and Contextual Influences	3
ICDV 2833	Behavior in Infancy	3
HUMN 2004	Introduction to Fine Arts	

Area G: Courses in Major 50 semester hours

FCSC 2854	Art and Design in the Microenvironment	3
FCSC 2872	Community Involvement and Volunteerism	2
FCSC 3913	Management Residence	3
FDNU 3832	Maternal and Child Nutrition	2
ICDV 3833	Child Development	4
ICDV 3842	Parent Child Relations	2
ICDV 3853	Behavior and Guidance in the Preschool	3
ICDV 3862	Child Assessment	2
ICDV 4874K	Nursery Kindergarten Practicum	4
ICDV 4882	Organization and Administration in Group Care	2
ICDV 4893K	Infant Stimulation	3
ICDV 4909	Directed Observation and Supervision	9
ICDV 4913	Special Topics	3
PHED 3542	Health and Physical Education for the Young Child	2
SPAN 1001	Elementary Spanish I or II	3
ENGL 4200	Children's Literature	3

Electives/Professional Options (choose 9 hours) 9 semester hours

EDUC 2110	Investigating Critical and Contemporary Issues	3
EDUC 2503	Exceptionalities and Instruction	3
EPSY 2433	Educational Psychology	2
PSYC 3043	Psychology of Learning	3

One of the following:

PHIL 2000 or	Introduction to Philosophy	3
PHIL 2002	Ethics	3

Others with approval

C. Institutional Requirements 5 semester hours

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Orientation to the University	1

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A. Core Requirements

Area A: Essential Skills 9 semester hours

Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1101 or MATH 1111	Math Modeling College Algebra	3

Area B: Institutional Options 5 semester hours

COMM 1110	Public Speaking	3
SOCI 2008	Cultural Diversity	2

Area C: Humanities/Fine Arts 6 semester hours

ENGL 2111 or 2112	World Literature I or II	3
MUSC 1000	Music Appreciation	3

Area D: Science, Math and Technology 10 semester hours

(A science course with a lab is required.)

BIOL 1104K	Biological Science	4
BIOL 1105	Environmental Science	3
CSCI 1153	Introduction to Computers	3

Area E: Social Sciences 12 semester hours

HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3

One of the following:

PSYC 1101	Introduction to Psychology	3
SOCI 1101	Introduction to Sociology	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

B. Major Requirements

Area F: Courses Related to the Program of Study 18 semester hours

FCSC 1811	Orientation to FCS	1
FCSC 1831	Introduction to Technology in the Profession	2
FCSC 2833	Management: Systems, Theory and Practice	3
FCSC 2872	Community Involvement and Volunteerism	2
FDNU 1804	Contemporary Food and Nutrition	4
ICDV 2813	Lifespan Development and Contextual Influences	3
ICDV 2833	Behavior in Infancy	3

C. Institutional Requirements 5 semester hours

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Orientation to the University	1

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Minor in Clothing and Textiles

FCSC 1813K	Art and Design in Micro	
FCSC 1813K	Environment or Textiles	
FCSC 2854K	Art and Design in Microenvironment	
FCSC 3894K	Apparel Construction	
FCSC 3933K	Special Clothing Problem	
FCSC 3951	Textile Arts	
FCSC 3961	Clothing and Human Behavior	
FCSC 3972	History of Costume	
FCSC 4983K	Apparel Design	
FCSC 4994K	Tailoring	
	Total	21 credits

Department of Veterinary Science

Dr. Seyedmehdi Mobini, Interim Department Head
The O'Neal Building
Telephone: 478/825-6424

The Department of Veterinary Science provides specialized educational opportunities for the underserved segment of the population within the state, nation and international community. The Department of Veterinary Science prepares students for careers as veterinary technicians for job opportunities with practicing veterinarians and animal scientists working with animals in research labs, food and feed companies, pharmaceutical firms, microbiological labs, zoos, colleges and universities and various city, state and federal animal welfare and regulatory agencies. The department also provides opportunities for students to prepare for advanced education and to seek admission to colleges of veterinary medicine or pursue graduate programs in a variety of biomedical disciplines. Graduates of the two-year program will have entry level skills and above, which will enable them to compete for employment with veterinary technicians in any of the many sub-disciplines of veterinary medicine. Graduates of the four-year program will be able to go on to graduate school or enter the job force at a level that will ultimately allow them to qualify for advanced or supervisory positions.

Veterinary Science deals with the art and science of veterinary technology, management, disease control and providing for optimal comfort and nursing care of animals. Opportunities are provided for students to earn the Bachelor of Science (B.S.) in Veterinary Technology and the Associate of Applied Science (A.A.S.) in Veterinary Technology, and for the completion of a Pre-Veterinary Medicine program. Departmental exit examination is required and students must complete it at least one semester prior to enrolling in Clinical Rotation Courses and Practicum. Courses offered by the Department are designated as VETY.

B. S. Degree in Veterinary Technology

Students who plan to compete for supervisory positions in animal and veterinary establishments, seek admission to colleges of veterinary medicine or pursue graduate programs in a variety of biomedical disciplines will follow this degree program. This program gives students a general education and a broad background in basic sciences and veterinary medical disciplines. A wide range of electives allows students to obtain strong pre-professional preparation and thus enhance their chances for acceptance to veterinary school and other career oriented professional and biomedical programs. This program also provides the option to students enrolled in the A.A.S.

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degree program to continue their education if they so desire. In addition to being employed as a veterinary technician, opportunities may also be available in the Cooperative Education Program with the Department of Veterinary Services of the United States Department of Agriculture (USDA-APHIS-VS) and in other state and federal agencies. One-hundred twenty-five credit hours (including four hours of physical education) are required to complete this program. The B.S. degree program is fully accredited by the American Veterinary Medical Association (AVMA).

A.A.S. Degree in Veterinary Technology

This two-year program in veterinary technology offers opportunities for those students who desire employment as a veterinary technician, after a two-year course of study. This program requires six semesters of course work, including practical training. Four semesters are spent at FVSU, one semester of clinical rotations at the Veterinary Teaching Hospital of the University Of Georgia College Of Veterinary Medicine in Athens, and one semester with a practicing veterinarian or an equivalent acceptable governmental program. During this time, the student remains enrolled at FVSU. The A.A.S. degree program is fully accredited by the American Veterinary Medical Association (AVMA). Eighty-five credit hours are required to complete this program.

This program is basically designed to prepare students: (1) as paravets with "hands-on" skills and knowledge of some basic and applied aspects of modern veterinary practice; (2) for a variety of job opportunities as assistants in veterinary clinical operations such as radiology, surgical nursing, diagnostic lab, reception, ward care, and others; (3) for jobs in food and feed companies, pharmaceutical firms, microbiological labs, research labs, colleges and universities, zoos, city, state and federal animal welfare and regulatory agencies, and (4) for veterinary care aspects of animal production industries, and commercial breeding operations. Students also have the option of continuing toward a B.S. degree in Veterinary Technology or completing the Pre-Veterinary Medicine program for preparation for admission to veterinary school.

Assessment of the Veterinary Science Major

In addition to other specified requirements for graduation, students must participate in all assessment activities for the major program which include, but may not be limited to: (1) course embedded assessments, (2) external or standardized tests, (3) the Sophomore/Junior Diagnostic Project and (4) the Senior Integrated Assessment.

Practicum and Clinical Rotations

Students enrolled in the A.A.S degree program are required to complete both a practicum with a practicing veterinarian or equivalent acceptable government program and a clinical rotation at the University of Georgia (UGA) College of Veterinary Medicine in Athens, Georgia. B. S. degree students are only required to complete a clinical rotation at UGA. Students must pass a departmental exit examination before enrolling in either the practicum or clinical rotation. All courses designated as VETY must be completed before registering for the practicum or clinical rotation.

General Information: Statement of Policy

1. Pharmacy Rotation: Statement of Policy

University of Georgia (UGA) Pharmacy Rotation: Unfortunately, drug abuse and diversion takes place in health care establishments. Providers of veterinary health care

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are a reflection of society and as drug related problems increase in society, they also increase with veterinary health care providers. Therefore, it is essential for veterinary practices and veterinary teaching institutions to take the steps necessary to protect the profession and veterinary health care workers from the adverse effects of dealing with such diversion or abuse.

All students desiring to participate in the Pharmacy Rotation at the UGA College of Veterinary Medicine (CVM), as part of their experiential learning at the UGA, will be required to submit to a background check. If, for any reason, the student chooses not to participate in the background check, or if the background check indicates a history of substance abuse, the student will not be allowed to enter the pharmacy or participate in a pharmacy rotation and they will have to choose from one of the many other rotational possibilities during their time at UGA. Students will make application for the background check upon arrival at UGA.

2. **Rabies Vaccination**

All students entering the Veterinary Technology programs at FVSU must complete a series of three prophylactic rabies immunizations by the end of the first semester of enrollment in order to continue in the program. All medical costs associated with the prophylactic immunization are the responsibility of the student.

3. **Pregnancy**

Any student who is pregnant at the time Radiology VETY 2873 is scheduled, as matter of extreme health importance, should not enroll in the course for that semester. Any student, who learns that they are pregnant prior to the Mid-Term date for the in-progress course, should drop the course immediately, and take the course at a later date.

Students, who learn that they are pregnant after Mid-Term, are obligated to immediately notify the instructor of their pregnancy, will be restricted from the radiology suite laboratory exercises during the remainder of the term.

Veterinary Technology Major Program of Study for the B.S. Degree Total Number of Degree Hours: 125

Freshman Year	Fall Semester	Spring Semester
	ENGL 1101	COMM 1110
	FVSU 0100	ENGL 1102
	MATH 1111	MATH 1112
	VETY 1801	PEDW
	VETY 1803	VETY 2824
	VETY 1812	VETY 1814
	VETY 1824	Electives
	16 credits	16 credits
Sophomore Year	BIOL 1107K	BIOL 1108K
	CHEM 1211K	CHEM 1212K
	HIST 1111 or 1112	POLS 1101
	VETY 2833	VETY 2873
	Electives	VETY 2893

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	15 credits	17 credits
Junior Year	ANSC 2803 PEDW 1402 SOCI 2008 VETY 2844 VETY 2854 VETY 3903 VETY 3903	ECON 2106 ENGL 2111 or 2112 HIST 2111 or 2112 PEDW PHIL 2002 VETY 3924
	14 credits	16 credits
Senior Year	PEDW PHYS 1111 VETY 3934 VETY 3912 VETY 3932	VETY 4923 ¹ VETY 4933 ¹ VETY 4943 ¹ VETY 4953 ¹ Electives
	17 credits	12 credits

¹The credit for these courses CANNOT be substituted for electives.

B. S. Degree in Veterinary Technology Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		9 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3
Area B: Institutional Options		4-5 semester hours
COMM 1110	Public Speaking	3
One of the following:		
BUSA 1980	Professional Development I	1
FCSC 2200	Effective Living	2
SOCI 2008	Cultural Diversity	2
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111 or 2112	World Literature I or II	3
One of the following:		
ARTH 1000	Art Appreciation	3
PHIL 2002	Ethics	3
FREN, SPAN or JAPN	Foreign Language Sequence	3
Area D: Science, Math and Technology		11 semester hours
		(A science course with a lab is required.)
BIOL 1107K	Biological Science	4
CHEM 1211K	Introduction to Chemistry I	4
MATH 1112	Trigonometry	
Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3

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HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
One of the following:		
ECON 2106	Principles of Micro Economics	3
SOCI 1101	Introduction to Sociology	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

B. Major Requirements

Area F: Courses Related to the Program of Study 17 semester hours

VETY 1812	Medical Terminology	1
VETY 1814	Ethics and Office Procedures	1
ANSC 2803	General Animal Science	3
BIOL 1108K	Principles of Biology II	4
CHEM 1212K	Principles of Chemistry II	4
PHYS 1111K	Introductory Physics I	4

Area G: Major Requirements 45 semester hours

VETY 1801	Veterinary Technology Orientation	1
VETY 1803	Animal Nursing and Restraint	2
VETY 1824	Animal Anatomy and Physiology	4
VETY 2824	Hospital Procedures	2
VETY 2833	Veterinary Pharmacology and Medical Dosage	2
VETY 2844	Anesthesiology and Surgical Procedures	3
VETY 2854	Large Animal Techniques	2
VETY 2873	Radiology	3
VETY 2893	Veterinary Microbiology	3
VETY 3903	Animal Diseases and Preventative Medicine	3
VETY 3924	Veterinary Clinical Pathology and Chemistry	3
VETY 3932	Veterinary Clinical Parasitology	2
VETY 3934	Lab Animal Medicine	3
VETY 4923	Clinic: Small Animal Surgery and Medicine	3
VETY 4933	Clinic: Receiving and Central	3
VETY 4943	Clinic: Anesthesiology	3
VETY 4953	Clinic: Clinical Applications	3

Electives: (Select 16 hours from among the following): 16 semester hours

Strongly Recommended 10 semester hours

VETY 3912	Disease Control and Regulatory Management	2
VETY 3936	Zoonosis: Recognition, Control and Prevention	2
VETY 4821	Seminar	1
VETY 4863	Biomedical Research Methods	2
VETY 4883	Special Topics	2
ANSC 3883	Applied Animal Nutrition	3

Suggested (6 semester hours)

VETY 3962	Cooperative Education In Veterinary Science	2
VETY 4843	Reproduction and Artificial Insemination	2
BIOL 4254K	Genetics	4
CHEM 2221K	Principles of Organic Chemistry I	4

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PHYS 1112K	Introductory Physics II	4
BUSA 1980 – 83	Professional Development I – IV	1
MATH 1151	Calculus	3

C. Institutional Requirements		5 semester hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Orientation to the University	1

A. A. S. Degree in Veterinary Technology Total Number of Degree Hours: 85

Freshman Year	Fall	Spring	Summer
	ENGL 1101	PEDW 1402	CHEM 1211K
	FVSU 0100	VETY 2824	ENGL 1102
	CHEM 1211	VETY 2873	MATH 1111
	VETY 1801	VETY 2893	PEDW 2522
	VETY 1803	VETY 3924	PEDW
	VETY 1812	HIST 2111 or 2112	
	VETY 1814	POLS 1101	
	VETY 1824		
	17 credits	18 credits	9 credits
Sophomore Year	Fall	Spring ²	Summer
	ANSC 3883	VETY 4923 ¹	VETY 49891 ¹
	VETY 2833	VETY 4933 ¹	
	VETY 2844	VETY 4943 ¹	
	VETY 2854	VETY 4953 ¹	
	VETY 3903		
	VETY 3932		
	VETY 3934		
	18 credits	12 credits	12 credits

¹The credit hours for these courses CANNOT be substituted for electives or regular courses.

²All courses must be completed prior to enrolling in 2nd year summer semester.

A. A. S. Degree in Veterinary Technology Total Number of Degree Hours: 85

A. Core Requirements		22 semester hours
Area A: Courses Related to the Program of Study		
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3
CHEM 1211K	Introduction to Chemistry I	4
ANSC 3883	Applied Animal Nutrition	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3

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Area B: Major Requirements		59 semester hours
VETY 1801	Veterinary Technology Orientation	1
VETY 1803	Animal Nursing and Restraint	2
VETY 1812	Medical Terminology	1
VETY 1814	Ethics and Office Procedures	1
VETY 1824	Animal Anatomy and Physiology	4
VETY 2824	Hospital Procedures	2
VETY 2833	Veterinary Pharmacology and Medical Dosage	2
VETY 2844	Anesthesiology and Surgical Procedures	3
VETY 2854	Large Animal Techniques	2
VETY 2873	Radiology	3
VETY 2893	Veterinary Microbiology	3
VETY 3903	Animal Diseases and Preventative Medicine	3
VETY 3924	Veterinary Clinical Pathology and Chemistry	3
VETY 3932	Veterinary Clinical Parasitology	2
VETY 3934	Lab Animal Medicine	3
VETY 4923	Clinic: Small Animal Surgery and Medicine	3
VETY 4933	Clinic: Receiving and Central	3
VETY 4943	Clinic: Anesthesiology	3
VETY 4953	Clinic: Clinical Applications	3
VETY 4989	Practicum	12

Area C. Institutional Requirements		5 semester hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
PEDW	Activity PE (See Advisor)	1
FVSU 0100	Orientation to the University	1

Pre-Veterinary Medicine

This non-degree program prepares students for entry into veterinary schools for a Doctor of Veterinary Medicine (D.V.M.) degree. Due to the differences in course requirements at individual veterinary schools, students should become familiar with entrance requirements for the schools to which they plan to apply. Competition for admission to veterinary schools is keen; therefore students are encouraged to maintain a high GPA and to pursue a major in Veterinary Technology while awaiting acceptance to veterinary school. A recommended minimum pre-veterinary program is listed below for those who wish to apply to veterinary school at the University of Georgia after the completion of a pre-veterinary program of about three years. Four-year students can adjust the requirements to meet their major requirements.

Humanities and Social Studies	12 hours
Mathematics	6 hours
General Biology	8 hours
Advanced Biology	4 hours
Inorganic Chemistry	8 hours
Principles of Chemistry	8 hours
Physics	8 hours
Biochemistry	4 hours
Microbiology	4 hours
Animal Nutrition	3 hours

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For more information on entrance requirements to different veterinary schools, please consult the faculty members of this department who serve as advisors for this program or write directly to the veterinary school(s) of your choice.

Fort Valley State University

COLLEGE OF ARTS AND SCIENCES

Liberal and Pre-Professional Education
The Hotel and Hospitality Management Program
Cooperative Developmental Energy Program (CDEP)
Department of Behavioral Sciences
Department of Biology
Department of Business Administration and Economics
Department of Chemistry
Department of English and Foreign Languages
Department of Fine Arts, Humanities and Mass Communications
Department of History, Geography, Political Science & Criminal Justice
Department of Mass Communications
Department of Mathematics and Computer Science
Department of Military Science

Fort Valley State University

The College of Arts and Sciences

Dr. Jehad Yasin, Interim Dean
105 CTM Building
478/825-6454

The College of Arts and Sciences offers programs of study in the humanities, the natural and biological sciences, mathematics, social sciences, business, economics, computer technology, mass communications, and commercial design. Students from other disciplines enroll in arts and sciences courses within the core curriculum, as electives and in preparation for professional and graduate schools.

The College of Arts and Sciences consists of the Departments of Biology; Chemistry; Business Administration and Economics; Computer Science and Mathematics; Fine Arts and Humanities; History, Geography and Political Science; English and Foreign Languages; Mass Communications; and Behavioral Sciences. The nationally renowned Cooperative Developmental Energy Program (CDEP) and the Reserve Officers Training Corps (ROTC) are also located within the College of Arts and Sciences.

Some of the major goals of the College of Arts and Sciences are:

- to enhance the development of students' personal goals through curricular offerings, opportunities and experiences,
- to broaden students' understanding and appreciation of the interrelationships of disciplines within the humanities area,
- to afford students an opportunity to acquire an in-depth knowledge in at least one academic discipline within the College,
- to provide students an opportunity to reach high standards of performance in their academic pursuits,
- to assist in preparing students to achieve social, economic, as well as educational and professional goals, as citizens in the 21st century,
- to provide quality instruction designed to develop intellectual aspirations, analytical ability and sound judgment, and to enhance students' educational horizons, and
- to maintain strong, relevant curricula that ensure that graduates acquire the skills needed to function effectively and efficiently within their respective fields.

Students who desire a liberal education with or without regard to future professional endeavors are served within the College of Arts and Sciences. However, the offerings of the College prepare students for graduate or professional studies in specialized areas, to include medicine, dentistry, pharmacy, law, social work, business, commercial design, etc., etc. or to enter immediately into careers which require a background in the liberal arts or sciences.

Liberal and Pre-Professional Studies

Generally, this phase of the program allows students to attain a liberal education which will prepare them for the professions and/or to pursue graduate studies. Students should consult the catalog for the program(s) to which they plan to apply to determine specific entrance and matriculation requirements.

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Degrees Offered

The College of Arts and Sciences confers seven (7) degrees. The degree of Bachelor of Arts is conferred upon students who major in and successfully complete prescribed programs in Commercial Design, Criminal Justice, Economics, English, Liberal Studies, Mass Communications, Political Science, Psychology and Sociology. The degree of Bachelor of Science is conferred upon students who major in and successfully complete prescribed programs in Biology, Chemistry, Computer Information Systems, Computer Science, Mathematics and Public Service. The Bachelor of Business Administration degree is conferred upon students who major in and successfully complete prescribed programs in Accounting, General Business, Management and Marketing; and the Bachelor of Social Work degree is conferred upon students who successfully complete the prescribed program in Social Work.

Completion of the Reserved Officer Training Corps (ROTC) program of instruction qualifies a student for commission as a Second Lieutenant in the United States Army upon graduation.

The Hotel and Hospitality Management Program

A four-plus-one degree program is offered between Fort Valley State University and the University of Nevada-Las Vegas. Students who earn a B. S. degree in any field of business at Fort Valley State University can earn a second B. S. degree in Hotel Administration from the University of Nevada-Las Vegas. Only students who graduate with a GPA of 3.00 or above will be recommended to participate in this dual degree program. For further information, please refer to the University of Nevada-Las Vegas' Hotel Management website at: <http://hotel.unlv.edu/> or Fort Valley State University's website at: <http://fvsu.edu>.

The Cooperative Developmental Energy Program (CDEP)

Established in 1983 with grant assistance from the U.S. Department of Energy's Office of Minority Economic Impact, the Cooperative Developmental Energy Program (CDEP) is designed to increase the number of minorities and women working in private and governmental sectors of the energy industry. For this purpose, the program focuses on the recruitment of academically-talented minorities and females. The principal goal of CDEP is to increase the number of minorities and females working in the energy industry. This goal is accomplished through:

- Student internships and co-op assignments
- Energy Career Day and job placement opportunities
- Industry participation
- Field trips
- Scholarships
- Energy-based curricula

To further the goals of the program, Fort Valley State University has established energy-related 3+2 dual degree programs in Mathematics and Engineering or Mathematics, Biology, Chemistry, and Health Physics with the University of Nevada-Las Vegas (UNLV) and in Mathematics or Chemistry and Geosciences with the University of Oklahoma (OU). Fort Valley State University also offers a 3+2 dual degree program in Mathematics and Engineering with Georgia Institute of Technology (GT) and with the

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University of Texas-Pan American (UTPA). Additionally, FVSU offers 3+2 dual degree programs in Mathematics and Petroleum Engineering and in Mathematics or Chemistry and the Geosciences with the University of Texas-Austin. (UT).

The programs operate in the following manner: Students enroll at FVSU for three years and major in Mathematics, then transfer to UNLV, GT, or UTPA the last two years where they major in Engineering. Graduating students receive a B.S. degree in Mathematics from FVSU and a B.S. degree in Engineering discipline from UNLV, GT or UTPA. The Mathematics or Chemistry/Geosciences dual-degree program works similarly. Students enroll at FVSU for three years and major in Mathematics or Chemistry; then they transfer to OU or UT for year four and year five and major in Geology or Geophysics. Graduating students receive a B.S. degree in Mathematics or Chemistry from FVSU and a B.S. degree in Geology or Geophysics from OU. Additionally, students may major in Mathematics at FVSU for three years and then transfer to UT or OU for Petroleum Engineering. Because of these CDEP initiatives, Fort Valley State University has the distinction of being the only institution of higher education in the United States that has developed a dedicated pipeline for preparing minorities and women for the energy industry.

The Cooperative Development Energy Program Dual-Degree Scholarships

The Cooperative Development Energy Program of Fort Valley State University, in collaboration with the University of Oklahoma, Georgia Institute of Technology, University of Nevada at Las Vegas, the University of Texas-Austin, and the University of Texas-Pan America provides five-year full scholarships for students who qualify and pursue dual degrees in the following disciplines: Mathematics and Engineering (Civil Engineering, Computer Engineering, Environmental Engineering, Electrical Engineering, Chemical Engineering, Mechanical Engineering, or Petroleum Engineering); or in Biology and Health Physics; or Chemistry and Health Physics; or Mathematics and Health Physics; or Chemistry and Geology; or Mathematics and Geophysics. Students must attend Fort Valley State University for the first three years and major in either Biology, Chemistry, or Mathematics. During years four and five, students must attend OU, GT, UNLV, UT, or UTPA to earn respective Bachelor degrees in Engineering, Geology, Geophysics, or Health Physics. Students also earn Bachelor's degrees in either Biology, Chemistry or Mathematics from Fort Valley State University. CDEP Scholarships are academically competitive. To meet minimum qualifications, each student must have a combined SAT score of 1100 or 26 on the ACT with a "B" or above GPA. Students are also eligible to compete for lucrative internships with energy companies and governmental agencies that may exceed \$3,100 per month. Because certain stipulations must be met, scholarships are contractual.

Mathematics and Geosciences Major: Dual Degree Program **Program of Study for the B.S. Degree** **Total FVSU Hours: 125**

Freshman Year	Summer	Fall	Spring
	ENGL 1101	MATH 1154	MATH 2164
	MATH 1113	MATH 2113	MATH 2253
	HIST 1111	PSYC 1101	SPCH 2330
	POLS 1101	ENGL 1102	ENGL 2111
	HIST 2111	GEOL 1121	FVSU 0100
	MATH 1201	PEDW 2522	

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	SOCI 2008 PEDW 14 credits	EDUC 1001 PEDW 1402 20 credits	21 credits
Sophomore Year	PHYS 2211K MATH 2174 MATH 3273 MATH 2203 SPAN 1001 CSCI 3332 20 credits	PHYS 2212K MATH 4243 MATH 3323 GEOL 1122 SPAN 1002 PHIL 2000 20 credits	
Junior Year	MATH 4193 MATH 3223 MATH 4143 GEOL 2204 MATH 4390 Elective ² 15 credits	CSCI 3331 MATH 3373 MATH 4343 MATH 4391 MATH 3393 16 credits	

¹ Or ECON 2105 or ECON 2106

² Students will choose from Geology, ENGL 2053, and History (Non-western culture).

Mathematics and Engineering Major

Dual Degree Program

Total FVSU Hours: 125

Freshman Year	Summer	Fall	Spring
	ENGL 1101 MATH 1113 HIST 1111 POLS 1101 PEDW 1402 MATH 1201 SOCI 200 PEDW 14 credits	MATH 1154 MATH 2113 ECON 2105 ¹ ENGL 1102 HIST 2111 PEDW 2522 EDUC 1001 20 credits	MATH 2164 MATH 2253 ENGL 2111 EEGG 1114 20 credits
Sophomore Year	PHYS 2211K MATH 2174 MATH 2203 MATH 3273 SPAN 1001 CSCI 3332 20 credits	PHYS 2212K MATH 3323 MATH 4243 EEGG 2113 ³ SPAN 1002 PHIL 2000 19 credits	
Junior Year	MATH 4193 MATH 3223 MATH 4143 MATH 4390 EEGG 2114 ³ MATH 4391 15 credits	CSCI 3331 MATH 3373 MATH 4343 MATH 3393 PHYS 2113 17 credits	

¹ Or ECON 2106

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² Civil Engineering students will take GEOL 1114

³ Civil or Mechanical Engineering students will take ENGG 2123 and ENGG 2133 sequences.

Chemistry and Geosciences Major: Dual Degree Program Program of Study for the B.S. Degree

	Summer	Fall	Spring
Freshman Year	ENGL 1101 MATH 1113 HIST 1111 POLS 1101 PEDW 1402 PHSC 2011 FVSU 0100 PEDW	CHEM 1211K MATH 1154 CSCI 1153 ENGL 1102 MUSC 1000 ¹ PHSC 2012 PEDW 2522	CHEM 1211K MATH 2164 SPCH 2330 ENGL 2111 GEOL 1121
	14 credits	20 credits	21 credits
Sophomore Year	CHEM 2221K MATH 2174 HIST 2111 SPAN 1001 PHYS 2211K SOCI 2008	CHEM 2222K PSYC 1101 ² GEOL 1122 SPAN 1002 PHYS 2212K	
	20 credits	18 credits	
Junior Year	CHEM 3341K CHEM 3310 CHEM 4331K MATH 3223 MATH 2113 GEOL 2204	CHEM 3342K CHEM Elective ³ CHEM 4332K CHEM 4210 CHEM 4450	
	17 credits	17 credits	

¹ Or ENGL 2112, ARTH 1000, HUMN 2004, PHIL 2002.

² Or ECON 2105, ECON 2106, SOCI 1101, GEOG 1231.

³ Chemistry majors will choose from Chemistry, Geology, English, and History.

Biology and Health Physics Major: Dual Degree Program

Program of Study for the B.S. Degree

Total FVSU Hours: 130

	Summer	Fall	Spring
Freshman Year	ENGL 1101 MATH 1113 HIST 1111 POLS 1101 PEDW 1402 PEDW 2522 FVSU 0100	BIOL 1101 BIOL 1107K MATH 1154 ENGL 1102 PHSC 2011 HIST 2111 ENGL 2111	BIOL 1108K MATH 2164 PHSC 2012 PHYS 1143 MATH 1201 COMM 1110
	14 credits	18 credits	19 credits

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Sophomore Year	CHEM 1211K	CHEM 1212K
	MATH 2174	BIOL 4234K
	PHYS 2211K	PHYS 2212K
	ZOOL 3214K	Biology Area Elective Group C
	MATH 2113 or Core Area C Elective	
	CSCI 1153	Core Area E Elective
	BIOL 3223	
	PEDW	
	22 credits	20 credits
Junior Year	CHEM 2221K	CHEM 2222K
	SPAN 1001	SPAN 1002
	PHYS 3333	ZOOL 4294K
	BIOL 4254K	BIOL 4343
	BIOL 4221	Biology Area Elective Group A
	Biology Area	Elective Group B
	19 credits	18 credits

Department of Behavioral Sciences

Dr. Jimmy McCamey, Interim Department Head
130 Bond Building
478/825-6232, 6233

The Department of Behavioral Sciences is a diverse department housing three undergraduate disciplines that deal with human behavior. The programs are designed for career-oriented students with strong interests in the helping professions. The department is committed to producing students with focused knowledge of the essentials for addressing the psycho-social needs of individuals and groups. Students are provided a well-designed curriculum, a positive climate that encourages active learning, as well as service learning opportunities through field practica, community development projects and departmental club activities. Graduates from the Behavioral Sciences programs are desirable candidates for entry-level employment at various human services/criminal justice programs and agencies; they are prepared to enter the next level of academic learning (i.e., the Masters or the J.D.).

The Department of Behavioral Sciences offers curricula leading to the following degrees: (1) Bachelor of Arts (B.A.) in Psychology, (2) Bachelor of Arts (B.A.) in Sociology, and (3) Social Work (B.S.W.). Courses offered by the department are designated PSYC, SOCI, and SOWK.

Psychology

The Psychology program provides quality instruction in the discipline of psychology to prepare students to pursue careers in psychology and psychology-related fields, and to provide psychological services, when appropriate, to the University and community.

Assessment of the Psychology Major

In addition to other specified requirements for graduation, students must participate in all assessment activities for the major program which include, but may not be limited to: 1)

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course embedded assessments, 2) external or standardized tests, 3) the Sophomore/Junior Diagnostic Project, 4) the Senior Integrated Assessment, and 5) a grade of at least a “C” in all required and elective major courses.

This program also is available fully online. The requirements are the same as they are for the traditional program. Internships and practica will be supervised via virtual technologies for students who are unable to interact with campus evaluators face-to-face.

Psychology Major

Program of Study for the B. A. Degree

Total Number of Degree Hours: 125

	Fall Semester	Spring Semester
Freshman Year	ENGL 1101 HIST 1111 or 1112 SPAN/FREN 1101 PSYC 1101 POLS 1101 FVSU 0100 16 credits	ENGL 1102 BIOL 1107K SPAN/FREN 1102 MATH 1111 SOCI 2008 PEDW 1402 16 credits
Sophomore Year	BHSC 2300 BIOL 1108K COMM 1110 ENGL 2111 or 2112 HIST 2111 or 2112 PEDW 17 credits	PSYC 2092 Area C Elective Area D Elective Area E Elective Area F Elective PEDW 2522 16 credits
Junior Year	PSYC 3003 PSYC 3023 PSYC Elective PSYC Elective Free Elective 15 credits	PSYC 3013 PSYC Elective PSYC Elective PSYC Elective Free Elective PSYC 4013 18 credits
Senior Year	PSYC 4096 Free Elective Free Elective Free Elective Free Elective 15 credits	PSYC 4912 12 credits

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B. A. Degree in Psychology

Total Number of Degree Hours: 125

Area A: Essential Skills	A. Core Requirements	9 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111 or MATH 1101	College Algebra or Math Modeling	3
 Area B: Institutional Options		 5 semester hours
COMM 1110	Public Speaking	3
Two hours from the following:		
AGED 2821	Youth Leadership Development	1
BUSA 1980	Professional Development I	1
BUSA 1990	Leadership I	1
EDUC 1001	Library Skills	1
FCSC 2200	Effective Living	2
MATH 1201	Problem Solving Strategies	1
SOCI 2008	Cultural Diversity	2
 Area C: Humanities/Fine Arts		 6 semester hours
ENGL 2111 or 2112	World Literature I or II	3
	Elective	3
 Area D: Science, Math and Technology		 11 semester hours
(A science course with a lab is required.)		
BIOL 1107K	Biological Science	4
BIOL 1108K	Biological Science II	4
One of the following:		
CSCI 1153	Introduction to Computers	3
MATH 1112	Trigonometry	3
MATH 2203	Intro to Linear Algebra I	3
 Area E: Social Sciences		 12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
CRJU, SOCI SOWK	Social Science Elective	3
Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.		

B. Major Requirements

Area F: Courses Related to the Program of Study		21 semester hours
PSYC 1101	General Psychology	3
PSYC 2902	Careers and Issues	2
BHSC 2300	Behavioral Statistics	3
FREN/SPAN/ JAPN 1002	Foreign Language Sequence	3
FREN/SPAN/JAPN 2001	Foreign Language Sequence	3
One of the following:		
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
CSCI 1153	Introduction to Computers	3

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SOCI 1101	Introduction to Sociology	3
Area G: Major Requirements		30 semester hours
PSYC 3003	Psychological Research I	3
PSYC 3013	Psychological Research II	3
PSYC 3023	Abnormal Psychology	3
PSYC 4013	History of Psychology	3
PSYC 4912	Internship	12
PSYC 4096	Senior Seminar in Psychology	3
Major Electives		15 semester hours
Select any five courses from among the following:		
PSYC 3033	Developmental Psychology	3
PSYC 3043	Psychology of Learning	3
PSYC 3053	Physiological Psychology	3
PSYC 3063	Personality	3
PSYC 4023	Psychological Testing	3
PSYC 4033	Psychopharmacology	3
PSYC 4043	Psychology of Religion	3
PSYC 4053	Behavior Modification	3
PSYC 4063	Child Psychology	3
PSYC 4073	Cross-Cultural Psychology	3
PSYC 4083	Forensic Psychology	3
PSYC 4097	Honor Seminar in Psychology	3
Unrestricted Electives		15 semester hours
C. Institutional Requirements		5 semester hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

Social Work

This program is available on the Fort Valley campus and at the Warner Robins Center, 151 Osigian, Warner Robins.

The Social Work curriculum is designed to prepare students for professional careers in social services, including preparation for immediate employment and graduate study. The curriculum utilizes class and field instruction to develop and strengthen the attitudes, values, skills and knowledge essential for helping to alleviate problems that impair the social functioning of individuals, groups and communities.

In addition to the formal requirements of the Social Work program, students are expected to demonstrate their interest and concern in social matters by way of active voluntary participation in campus activities, community groups, agencies and organizations related to human social services.

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To be eligible for Practicum II, each student must satisfy the following requirements:

- Completion of all courses through the second semester of the junior year
- A grade of at least "C" in all major courses, including required psychology and sociology courses
- A grade of "Passing" on the Regents' Test
- A cumulative average of at least 2.00
-

Social Work Major

Program of Study for the B. S.W. Degree

Total Number of Degree Hours: 125

Freshman Year	Fall Semester	Spring Semester
	ENGL 1101	ENGL 1102
	MATH 1111 or 1101	CSCI 1153
	BIOL 1104K or 1105K	BIOL 1105 or CHEM 1102
	HIST 1111 or 1112	MUSC 1000
	COMM 1110	POLS 1100
	PEDW 1402	FVSU 0100
		PEDW
	17 credits	17 credits
Sophomore Year	ENGL 2111 or 2112	SOCI 1101
	SPAN/FREN 1002	SPAN/FREN 2001
	SOWK 2001	BHSC 2300
	PSYC 1101	ECON 2105 or 2106
	HIST 2111 or 2112	GEOG 1230 or 1231
		SOCI 2008
		PEDW 2522
	15 credits	16 credits
Junior Year	SOWK 2401	SOWK 3012
	SOWK 3007	SOWK 3400
	SOWK 3011	SOWK 4131
	SOWK Elective	Free Elective
	Free Elective	
	Free Elective	
	18 credits	15 credits
Senior Year	SOWK 4132	SOWK 4400
	SOWK 4399	
	SOWK 4110	
	Free Elective	
	Free Elective	
	15 credits	12 credits

Social Work Minor

The minor in Social Work requires 12 hours of upper level courses. SOWK 2001 is the prerequisite. The total number of credit hours for the Social Work minor is 15 semester hours.

Senior Year

Required Courses in SOWK

SOWK 3007	Community Organization Development	3 semester hours
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SOWK 3011	Theory and Methods in SOWK (Practicum I)	3 semester hours
SOWK 3012	Theory and Methods in SOWK (Practicum II)	3 semester hours
SOWK 4110	Social Welfare Policy	3 semester hours
		12 semester hours

B.S.W. Degree in Social Work Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		9 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111 or MATH 1101	College Algebra or Math Modeling	3
Area B: Institutional Options		5 semester hours
COMM 1110	Public Speaking	3
SOCI 2008	Cultural Diversity	2
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111 or 2112	World Literature I or II	3
One of the following:		
ARTH 1000	Art Appreciation	3
MUSC 1000	Music Appreciation	3
Area D: Science, Math and Technology		10 semester hours
(A science course with a lab is required.)		
CSCI 1153	Introduction to Computers	3
BIOL 1104K	Biological Science	4
One of the following:		
PHSC 1101	Physical Science I	3
PHSC 1102	Physical Science II	3
Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
One of the following:		
ECON 2105	Principles of Macro Economics	3
ECON 2106	Principles of Microeconomics	3
GEOG 1230	Introduction to Physical Geography	3
GEOG 1231	Intro to World Regional Geography	3
Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.		

B. Major Requirements

Area F: Courses Related to the Program of Study		18 semester hours
PSYC 1101	General Psychology	3
SOCI 1101	Intro to Sociology	3
SPAN or 1002		3
SPAN or 2001		3
SOWK 2001	Intro to SOWK and Social Welfare	3

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BHSC 2300	Behavioral Statistics	3
Area G: Major Requirements		30 semester hours
SOWK 2401	Human Behavior in Social Env.	3
SOWK 3007	Comm. Org. Development	3
SOWK 3011	Theory and Methods I	3
SOWK 3012	Theory and Methods II	3
SOWK 3400	Practicum I	6
SOWK 4110	Social Welfare Policy	3
SOCI 4131	Intro to Social Research	3
SOCI 4132	Social Research Seminar	3
SOWK 4399	Field Experience Seminar	3
II: Major Electives		12 semester hours
SOWK 4400	Practicum II	12
III: Restricted Electives		3 semester hours
SOWK 4030, 4040, 4050, 4060, 4070		3
IV. Free Electives		15 semester hours
C. Institutional Requirements		5 semester hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

Program of Study for the B. A. Degree

Total Number of Degree Hours: 125

Freshman Year	Fall Semester	Spring Semester
	ENGL 1101	ENGL 1102
	MATH 1111	CSCI 1153
	BIOL 1104K	BIOL 1105
	HIST 1111 or 1112	SOCI 1101
	ARTH 1000, MUSC 1000 or POLS 1101	
	PHIL 2000	FVSU 1402
	FVSU 0100	PEDW
	17 Credits	17 Credits
Sophomore Year	ENGL 2111 or 2112	SOCI 2012
	SPAN/FREN 1002	SPAN/FREN 2001
	SOCI 2008	BHSC 2300
	PSYC 1101	GEOG 1230 or 1231
	HIST 2111 or 2112	COMM 1110
	PEDW 2522	SOCI 3000
	PEDW	

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	17 Credits	18 Credits
Junior Year	SOCI 3010 SOCI 3015 SOCI 3035 FREE ELECTIVE (3) SOCI ELECTIVE FREE ELECTIVE (1) 16 Credits	SOCI 3030 SOCI 3038 SOCI 4000 SOCI 4100 SOCI ELECTIVE SOCI ELECTIVE 18 Credits
Senior Year	SOCI 4131 SOCI 4010 FREE ELECTIVE (1) 7 Credits	SOCI 4132 SOCI 4073 SOCI 4200 15 Credits

B. A. Degree in Sociology

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		9 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111 or MATH 1101	College Algebra or Math Modeling	3
Area B: Institutional Options		5 semester hours
COMM 1110	Public Speaking	3
SOCI 2008	Cultural Diversity	2
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111 or 2112	World Literature I or II	3
SPAN or FREN 1002	Elementary Spanish or French II	3
Area D: Science, Math and Technology		10 semester hours
	(A science course with a lab is required.)	
CSCI 1153	Introduction to Computers	3
BIOL 1104K	Biological Science	4
BIOL 1105	Environmental Science	3
Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
GEO 1231	World Regional Geography	3
Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.		

B. Major Requirements

Area F: Courses Related to the Program of Study		18 semester hours
SOCI 1101	Intro to Sociology	3

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SOCIO 2012	Intro to Anthropology	3
PSYC 1101	General Psychology	3
SPAN or FREN 2001	Elementary Spanish or French II	3
BHSC 2300	Behavioral Statistics	3
Choose 3 Semester hrs from any of the following:		
ARTH 1000	Art Appreciation	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
Area G: Major Requirements		30 semester hours
SOCI 3000	Developmental Social Theory	3
SOCI 3010	Cultural Anthropology	3
SOCI 3015	Urban Sociology	3
SOCI 3030	Survey of Social Thought	3
SOCI 3035	Gender Studies	3
SOCI 3038	Contemporary Social Problems	3
SOCI 4000	Advance Social Theory	3
SOCI 4010	Sociology of the Family	3
SOCI 4073	Social Psychology	3
SOCI 4100	Deviance	3
SOCI 4131	Intro to Social Research	3
SOCI 4132	Social Research Seminar	3
Major Electives		9 semester hours
SOCI 3025	Social Policy	3
SOCI 3050	Media and Society	3
SOCI 3055	Sociology of Religion	3
SOCI 3060	Community Development	3
SOCI 3070	Social Change	3
SOCI 4031	Social Gerontology	3
SOCI 4080	Population and Society	3
Internship		
SOCI 4200	Applied Sociology	9
Free Electives		6 semester hours
C. Institutional Requirements		5 semester hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

Department of Biology

Dr. Melinda Davis, Interim Department Head
126 Miller Science Building
478/825-6240

The Department of Biology offers the Bachelor of Science (B.S.) degree in Biology with

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concentrations in human health, fisheries biology or wildlife conservation. Biology graduates are expected to demonstrate competencies in the content and knowledge of biology, its methods and its technology applications and to have an understanding of appropriate attitudes and acceptable ethics relevant to specific biological issues. Among the pre-professional careers for which students are prepared are medicine, dentistry, physical therapy, medical technology, occupational therapy, nursing, physician's assistant, and pharmacy. Graduates are also prepared for technical positions in science laboratories, for environmental and research positions, and for graduate and professional schools. Biology majors are required to enroll in 16 hours of chemistry, 8 hours of physics and 4 hours of mathematics beyond pre-calculus. A grade of "C" or better must be earned in all required and elective courses in science and mathematics. Major area courses are designated BIOL, BOTN, or ZOOL.

The Biology Major

The Biology major serves primarily as the pre-medical, pre-dental, pre-nursing and pre-allied health professional program. After completion of the second or third year of study, the student shall have met the requirements for entrance into most medical, dental, nursing or allied health schools in the United States. Departmental advisors will assist students in designing pre-professional health and graduate programs.

Biology Major (Fisheries Biology or Wildlife Conservation)

Opportunities are provided within this major for students to develop sound backgrounds in the ecological and organismal sciences, as well as in fundamental biological concepts and procedures related to fish and wildlife conservation and management. Students must participate in an internship which provides on-the-job training. The goal of the program is to prepare students for graduate school or employment with federal, state or private agencies.

Dual Degree Program

Established in 1983 with grant assistance from the U.S. Department of Energy's Office of Minority Economic Impact, the Cooperative Developmental Energy Program (CDEP) is designed to increase the number of minorities and women working in private and governmental sectors of the energy industry. For this purpose, the program focuses on the recruitment of academically-talented minorities and females who complete an intensive energy-based curriculum, student internships and co-op assignments and are subsequently placed in professional level careers in the energy industry. The principal objective of CDEP is that of increasing the number of minorities and females working in the energy industry. The Biology Department participates in the Dual Degree Programs in Biology and Health Physics, jointly sponsored with the University of Nevada-Las Vegas. This program consists of three years of course work at Fort Valley State University and two years of course work at the University of Nevada, Las Vegas. Upon completion of these programs, students will receive a degree in Biology from Fort Valley State University and another in Health Physics from University of Nevada-Las Vegas. Scholarships are available through the Cooperative Developmental Energy Program (CDEP) at Fort Valley State University.

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Biology Major Program of Study for the B. S. Degree Total Number of Degree Hours: 125

Freshman Year	Fall Semester	Spring Semester	
	ENGL 1101 BIOL 1107K HIST 1111 or 1112 FVSU 0100 PEDW 1402 MATH 1113 16 credits	ENGL 1102 BIOL 1108K BIOL 1101 HIST 2111 or 2112 MATH 1154 PEDW Core Area B Req. 17 credits	
Sophomore Year	POLS 1101 CHEM 1211K ENGL 2111 or 2112 MATH 2113 or CSCI 1153 ZOOL 3214K 17 credits	BIOL 3223 CHEM 1212K Core Area C Req. COMM 1110 PEDW 15 credits	
	Junior Year	PHYS 1111K CHEM 2221K ZOOL 3254K PEDW Core Area E Req. 16 credits	PHYS 1112K CHEM 2222K ZOOL 4294K BIOL 4234K BIOL 4221 or BIOL 4222 17 credits
Senior Year	BIOL 4254 Elective (option) Elective - Group D BIOL Elective-Group A Science Elective-Group D BIOL Elective Group C 13-15 credits	BIOL Group B BIOL 4343 L Science Group D 11-15 credits	Science Group D

BIOL Group A.

Choose **one** course from the following: CHEM 3250, BIOL 4263, ZOOL 3234 or 4274.

BIOL Group B.

Choose **one** course BIOL 2334 or ZOOL 3203.

BIOL Group C.

Select **2-3** hours from:

BIOL 3222, BIOL 4221 or 4222, BIOL 4272, ZOOL 4102 or BIOL 4111-4114.

SCI Group D.

Select **10-13** hours from any science or mathematics class offered. The maximum number of hours listed under major requirements should not exceed 60.

MSCI sequence may be substituted for PEDW

Fort Valley State University

B. S. Degree in Biology

Total Number of Degree Hours: 125

I. Core Requirements (60 hours)

Area A: Essential Skills **10 semester hours**

Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	PreCalculus	4

Area B: Institutional Options **4 semester hours**

COMM 1110	Public Speaking	3
One of the following:		
BUSA 1980	Professional Development I	1
BUSA 1990	Leadership I	1
EDUC 1001	Library Skills	1
MATH 1201	Problem Solving	1

Area C: Humanities/Fine Arts

ENGL 2111 or 2112	World Literature I or II	3
One of the following:		
ARTH 1000	Art Appreciation	3
HUMN 2004	Introduction to Fine Arts	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3

Area D: Science, Math and Technology: **11 semester hours**

CHEM 1211K	Principles of Chemistry I	4
CHEM 1212K	Principles of Chemistry II	4
MATH 2113 or	Elementary Statistics	3
CSCI 1153	Introduction to Computers	3

Area E: Social Science **12 semester hours**

HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
Elective from Core Area E		3

B. Major Requirements

Area F: Courses Related to the Program of Study **17 semester hours**

BIOL 1101	Introduction to Biology	1
BIOL 1107K	Principles of Biology I	4
BIOL 1108K	Principles of Biology II	4
CHEM 2221K	Principles of Organic Chemistry I	4
CHEM 2222K	Principles of Organic Chemistry II	4

Regent's Test (Reading and Essay) must be taken in the first semester after student earns 30 semester hours

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II. Major Requirements (60 hours)

Mandatory Courses for the major (39 hours)

MATH 1154	Calculus	4
PHYS 1111K	Introductory Physics I	4
PHYS 1112K	Introductory Physics II	4
BIOL 3223	Cell and Molecular Biology	3
ZOOL 3214K	Comparative Vertebrate Anatomy	4
ZOOL 4294K	Vertebrate Physiology	4
ZOOL 3254K	Animal Histology	4
BIOL 4254K	Genetics	4
BIOL 4234K	Microbiology	4
BIOL 4343L	Senior Project	3
BIOL 4221/4222	Biology Seminar	1

Group A: Electives **3-4 semester hours**

One of the following:

CHEM 3250K	Principles of Biochemistry	4
ZOOL 3234K	Embryology	4
BIOL 4263	Immunology	3
ZOOL 4274K	Parasitology	4

Group B: Electives **3-4 semester hours**

One of the following:

BIOL 2334K or ZOOL 3203K	Ecology/Entomology	4/3
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Group C: Electives

One of the following:

BIOL 3222L	Invest of Cell Biology	2
BIOL 4221 or 4222	Biology Seminar	1
BIOL 4272L	Biotechniques	2
BIOL 4111-4114L	Special Projects in Biology	1-3

Group D: Electives. Select 10-13 hours in Science or Mathematics with approval of advisor

Institutional Requirements **5 semester hours**

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

Biology Major: Fisheries Concentration

Program of Study for the B.S. Degree

Total Number of Degree Hours: 125

	Fall Semester	Spring Semester
Freshman Year	ENGL 1101	ENGL 1102
	MATH 1113	MATH 2113
	BIOL 1107K	BIOL 1108K
	HIST 1111 or 1112	BIOL 1101
	FVSU 0100	HIST 2111 or 2112
	PEDW 1402	Core Area B Elective

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	PEDW 16 credits	16 credits
Sophomore Year	BIOL 2334K CHEM 1211K ENGL 2111 or 2112 POLS 1101 Core Area Elective 17 credits	ZOOL 3103 or 3203 CHEM 1212K Core Area Elective COMM 1110 ZOOL 4393 16 credits
Junior Year	PHYS 1111K CHEM 2221K PEDW Biology Area Elective General Area Elective Area Elective 16 credits	PHYS 1112K CHEM 2222K ZOOL 3384K PEDW Science/Math 16 credits
Senior Year	Biology Area Elective Biology Area Elective Science/Math Science/Math Science/Math General Area Elective 14 credits	BIOL 4384K ZOOL 4343 Area Elective Area Elective Area Elective 14 credits

B. S. Degree in Biology: Fisheries Concentration

Total Number of Degree Hours: 125

A. Core Requirements (60 hours)

Area A: Essential Skills		10 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	PreCalculus	4
Area B: Institutional Options		4 semester hours
COMM 1110	Public Speaking	3
One of the following:		
BUSA 1980	Professional Development I	1
BUSA 1990	Leadership I	1
EDUC 1001	Library Skills	1
MATH 1201	Problem Solving	1
Area C: Humanities/Fine Arts		
ENGL 2111 or 2112	World Literature I or II	3
One of the following:		
ARTH 1000	Art Appreciation	3
HUMN 2004	Introduction to Fine Arts	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3

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Area D: Science, Math and Technology		10 semester hours
CHEM 1211K	Principles of Chemistry I	4
CHEM 1212K	Principles of Chemistry II	4
MATH 2113	Elementary Statistics	3

Area E: Social Sciences		
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
Elective from Core Area E		3

Area F: Courses Related to the Program of Study		17 semester hours
BIOL 1101	Introduction to Biology	1
BIOL 1107K	Principles of Biology I	4
BIOL 1108K	Principles of Biology II	4
CHEM 2221K	Principles of Organic Chemistry I	4
CHEM 2222K	Principles of Organic Chemistry II	4

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours

II. Major Requirements - Fisheries Concentration (60 hours)

Mandatory Fisheries Courses		26 semester hours
BIOL 2334K	Ecology	4
BIOL 4384K	Limnology	4
PHYS 1111K	Introductory Physics I	4
PHYS 1112K	Introductory Physics II	4
ZOOL 3384K	Ichthyology	4
ZOOL 4393	Population Dynamics	3
ZOOL 4343	Fisheries/Wildlife Internship	3

Fisheries Area Electives		
One of the following:		
ZOOL 3103K	Invertebrate Zoology	3
ZOOL 3203K	Entomology	3

Biology Area Electives (13 Hours)

Select thirteen (13) hours from any BIOL, BOTN, or ZOOL course not used to fulfill other area requirements. You must have the approval of the Fisheries advisor.

Science/Math Area Electives (12 Hours)

Select an additional twelve (12) hours from science or math classes, including the above lists. No course used here can be used to fulfill other area requirements. You must have the approval of your advisor.

General Area Electives (6 Hours)

C. Institutional Requirements		5 Semester Hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

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Biology Major: Wildlife Conservation Concentration

Program of Study for the B.S. Degree

Total Number of Degree Hours: 125

	Fall Semester	Spring Semester
Freshman Year	ENGL 1101 MATH 1113 BIOL 1107K HIST 1111 or HIST 1112 FVSU 0100 PEDW 1402 B Elective 16 credits	ENGL 1102 MATH 2113 BIOL 1108K BIOL 1101 HIST 2111 or 2112 Core Area PEDW 16 credits
Sophomore Year	BIOL 2334 CHEM 1211K ENGL 2111 or 2112 Core Area E Elective POLS 1101 Core Area 17 credits	ZOOL 3103 or ZOOL 3203 CHEM 1212K COMM 1110 ZOOL 3303 C Elective 16 credits
Junior Year	PHYS 1111K CHEM 2221K PEDW ZOOL 3364K General Area Elective Elective 16 credits	PHYS 1112K CHEM 2222K ZOOL 4334K PEDW Science/Math 16 credits
Senior Year	Biology Area Elective Biology Area Elective Area Elective Area Elective Area Elective Area Elective Area Elective 14 credits	ZOOL 4343 Biology Science/Math Science/Math Science/Math General 13 credits

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B. S. Degree in Biology: Wildlife Conservation Concentration

Total Number of Degree Hours: 125

A. Core Requirements (60 hours)

Area A: Essential Skills		10 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	Precalculus	4
 Area B: Institutional Options		 4 semester hours
COMM 1110	Public Speaking	3
One of the following:		
BUSA 1980	Professional Development I	1
BUSA 1990	Leadership I	1
EDUC 1001	Library Skills	1
MATH 1201	Problem Solving	1
 Area C: Humanities/Fine Arts		 6 semester hours
ENGL 2111 or 2112	World Literature I or II	3
One of the following:		
ARTH 1000	Art Appreciation	3
HUMN 2004	Introduction to Fine Arts	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
 Area D: Science, Math and Technology:		 11 semester hours
CHEM 1211K	Principles of Chemistry I	4
CHEM 1212K	Principles of Chemistry II	4
MATH 2113	Elementary Statistics	3
 Area E: Social Sciences		 12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
Elective from Core Area E		3
 Area F: Courses Related to the Program of Study		 17 semester hours
BIOL 1101	Introduction to Biology	1
BIOL 1107K	Principles of Biology I	4
BIOL 1108K	Principles of Biology II	4
CHEM 2221K	Principles of Organic Chemistry I	4
CHEM 2222K	Principles of Organic Chemistry II	4

*Indicates courses which must be taken.

****Regent's Test must be taken in the first semester after student earns 30 credit hours.**

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II. Major Requirements (60 hours)

Mandatory Biology Wildlife Courses		26 semester hours
BIOL 2334K	Ecology	4
PHYS 1111K	Introductory Physics I	4
PHYS 1112K	Introductory Physics II	4
ZOOL 3364K	Mammalogy	4
ZOOL 3303	Wildlife Conservation/Field Technology	3
ZOOL 4334K	Ornithology	4
ZOOL 4343	Fisheries/Wildlife Internship	3

Electives - Wildlife Area		3 semester hours
One of the following:		
ZOOL 3103K	Invertebrate Zoology	3
ZOOL 3203K	Entomology	3

Biology Area Electives (13 Hours)

Select thirteen (13) hours from any BIOL, BOTN, or ZOOL courses not used to fulfill other area requirements. You must have the approval of the Fisheries advisor.

Science/Math Electives (12 Hours)

Select an additional twelve (12) hours from science or math classes, including the above lists. No course used here can be used to fulfill other area requirements. You must have the approval of your advisor.

General Area Electives (6 Hours)

C. Institutional Requirements		5 semester hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

Biology and Health Physics Dual Degree Program

Program of Study for the B.S. Degree

	Summer Semester	Fall Semester	Spring Semester
Freshman Year	ENGL 1101	BIOL 1101	BIOL 1108K
	MATH 1113	BIOL 1107K	MATH 2164
	HIST 1111	MATH 1154	PHSC 2012
	POLS 1101	ENGL 1102	PHYS 1143
	PEDW 1402	PHSC 2011	MATH 1201
	PEDW 2522	HIST 2111	COMM 1110
	FVSU 0100	ENGL 2111	
	14 credits	18 credits	19 credits
Sophomore Year		CHEM 1211K	CHEM 1212K
		MATH 2174	BIOL 4234K
		PHYS 2211K	PHYS 2212K
		ZOOL 3214K	Biology Area Elective Group C

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MATH 2113 or Core Area C Elective
CSCI 1153 Core Area E Elective
BIOL 3223
PEDW
22 credits **20 credits**

Junior Year

CHEM 2221K CHEM 2222K
SPAN 1001 SPAN 1002
PHYS 3333 ZOOL 4294K
BIOL 4254K BIOL 4343
BIOL 4221 Biology Area Elective
Group A
Biology Area Elective Group B
19 credits **18 credits**

Department of Business Administration and Economics

Dr. Khaled Sartawi, Interim Department Head
207 Bywaters Building
478/825-6270

The programs and courses offered by the Department of Business Administration and Economics are designed to meet the needs of students interested in professional education in accounting, marketing, management, general business and economics.

Business Administration

The Bachelor of Business Administration (B.B.A.) program prepares students to become competent business professionals by developing their entrepreneurial skills and conceptual reasoning and analytical skills requisite for effective decision making within an uncertain and an ethical environment. All majors are expected to complete their major courses with a minimum grade of "C." Course offerings by the department are designated as ACCT, ECON, MNGT, MKTG, and BUSA.

Accounting: The accounting curriculum is designed to provide students with the general education and technical knowledge necessary to become a member of the accounting profession and prepares them to become accounting professionals. Career opportunities include, but are not limited to, jobs in public accounting as certified public accountants (CPA) or in private accounting firms as tax specialists or as external or internal auditors.

Management: The management curriculum provides students with a professional education background in management which is fundamental to business organizations. The program prepares students for careers leading to middle and upper management in small business, government, retailing and transportation. Career opportunities include but are not limited to managerial positions in small business, government, manufacturing, retailing, financial services and transportation.

The B.B.A. in Management is available on the Fort Valley campus and at the Warner Robins Center, 151 Osgian, Warner Robins.

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Marketing: The marketing curriculum enables students to understand the parameters associated with determining and satisfying the desires and needs of individuals and institutional consumers. The program prepares students for successful careers in the many aspects of marketing in the public and private sectors. Career opportunities include, but are not limited to, product development and improvement, sales, distributions and promotions.

General Business: This program enriches the student's knowledge base in the range of concepts and theories of business administration and economics. The program prepares students for career opportunities in small business, sales, manufacturing and general management. Other career opportunities include, but are not limited to, banking and leadership in profit and non-profit organizations.

Sophomore Requirements: All Business majors are required to complete successfully Area F of the Core Curriculum before enrolling in upper level courses offered by the department.

Area F for Department Majors

ACCT 2101	Principles of Accounting I	3 hours
ACCT 2102	Principles of Accounting II	3 hours
ECON 2105	Principles of Macroeconomics	3 hours
ECON 2106	Principles of Microeconomics	3 hours
BUSA 2105	Communicating in the Business Environment	3 hours
BUSA 2503	Business Information Systems	3 hours

Minor in Accounting, Management, or Marketing

Students pursuing a minor concentration in Accounting, Management, or Marketing must complete 15 semester hours in the field of concentration. ACCT 2101, ACCT 2102, and ACCT 3103 must be included in the 15 semester hours for Accounting minors. For Management minors, MNGT 3103 and MNGT 3303 must be included among the 15 semester hours. For Marketing minors, MKTG 3103 and MKTG 4123 must be included in the 15 semester hours. A grade of "C" or better is required in the minor courses.

Developing a Program of Study for the B.B.A. Degree

All students who are admitted into the business program during or after fall 2006 must follow the "new" balance sheet. Older students have the option of remaining on the "old" balance sheet or switching to the new one. Students are strongly encouraged to develop a four-year program of study with the help of their academic advisor in accordance with business course offering schedule in the course description section of this catalog. Upper-level courses are mostly offered once a year and they usually have prerequisites that should be completed before the student is permitted to enroll in them. Creating (and following) a four-year academic plan will insure that the student will graduate on-time. Following are some guidelines that will help students in developing their academic plan.

- Students may take the Regents' Test at any point during their academic career. However, it is recommended that students should first attempt the Regents' Test after their successful completion of ENGL 1101. Such action will enhance students' chance of successfully completing the Essay component of the Regents' Test and will allow time to take the Regents' Test twice before reaching the crucial 45 credit hour benchmark. Each student is required to satisfy Regents' Test requirements (both parts) before accumulating 45 academic credit hours. If

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students do not successfully complete Regents' Test requirements before obtaining 45 credit hours, they must enroll in Regents' Reading Skills and Writing Skills courses each subsequent semester until they have passed each test.

- Business and Economics students, with the exception of General Business majors, are required to declare a major AND a minor in any of the areas offered through the department. For the minor, students must select three courses (in one discipline) that are not listed in areas F and G on their balance sheets.
- Students should make sure to take ECON 2105 "Macroeconomics" and ECON 2106 "Microeconomics" during their second year at FVSU. These courses are prerequisites to most business courses. Students also must take Accounting I and Accounting II during their second year. Accounting students will not be able to graduate on-time if they fail to complete both courses during the sophomore year.
- Strategic Management MNGT 4393 is the capstone course to all business and economics majors. Only graduating seniors are permitted to register for the course.
- Students who are interested in continuing their education and attending graduate school are strongly encouraged to take MATH 1153 Calculus I. This course is required by most graduate business programs.
- Students should not wait until their final semester to take the Physical Education courses. These courses close fast and students may delay their graduation if they were unable to find an open section.

B.B.A. Degree in Accounting

Total Number of Degree Hours: 125-126

Area A: Essential Skills	A. Core Requirements	9-10 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
Choose one of the following:		
MATH 1101	Mathematical Modeling	3
MATH 1111	College Algebra	3
MATH 1113	PreCalculus	4
MATH 1154	Calculus I	4
 Area B: Institutional Options		
COMM 1110	Public Speaking	3
BUSA 1980	Professional Development I	1
BUSA 1990	Leadership I	1
 Area C: Humanities/Fine Arts		
ENGL 2111	World Literature I or	3
ENGL 2112	World Literature II	
One of the following:		
ARTH 1000	Art Appreciation	3
HUMN 2004	Introduction to Fine Arts	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
Foreign Language		3

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Area D: Science, Math and Technology 10 semester hours

(A science course with a lab is required.)

CSCI 1153	Introduction to Computers	3
Any 3-credit hour Science Course		3
Any 4-credit hour Science Course with Lab		4

Area E: Social Sciences 12 semester hours

HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
PSYC 1101	General Psychology or	3
SOCI 1101	Introduction to Sociology or	3
GEOG 1231	Intro to World Regional Geography	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

B. Major Requirements

Area F: Courses Related to the Program of Study 18 semester hours

ACCT 2101	Principles of Accounting I	3
ACCT 2102	Principles of Accounting II	3
ECON 2105	Principles of Macroeconomics	3
ECON 2106	Principles of Microeconomics	3
BUSA 2105	Communicating in the Business Environment	3
BUSA 2503	Business Information Systems	3

Area G: Accounting Major

I: Business Core

MNGT 3103	Principles of Management	3
MKTG 3103	Principles of Marketing	3
BUSA 3313	Legal, Social Ethical Environment of Business	3
BUSA 3203	Quantitative Methods	3
BUSA 3213	Statistics for Business & Economics	3
MNGT 3303	Operation & Production Management	3
BUSA 3103	Financial Management	3
MKTG 4123	International Marketing	3
BUSA 4123 or	Internship or	3
BUSA 4100	Leadership & Professional Development	3
MNGT 4393	Strategic Management	3

II. Accounting Core

21 semester hours

ACCT 3103	Intermediate Accounting I	3
ACCT 3113	Intermediate Accounting II	3
ACCT 4103	Individual Income Tax	3
ACCT 4123	Cost Accounting	3
ACCT 4133	Advanced Accounting	3
ACCT 4143	Auditing	3

Elective: Select **one** of the following:

ACCT 4113	Government Not-for-Profit	3
ACCT 4153	Accounting Theory	3
ACCT 4163	Accounting Information System	3

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III. Minor Area

9 semester hours

All Accounting students must have a minor. Six (6) hours can be transferred from areas F & G and nine (9) hours (three additional courses) should be selected with the approval of the advisor from the Economics, Management or Marketing curriculum. Graduating students must have a total of 15 hours in one minor area.

C. Institutional Requirements

5 semester hours

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

B.B.A. Degree in Marketing

Total Number of Degree Hours: 125-126

A. Core Requirements

Area A: Essential Skills

9-10 semester hours

Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
Choose one of the following:		
MATH 1101	Mathematical Modeling	3
MATH 1111	College Algebra	3
MATH 1113	Precalculus	4
MATH 1154	Calculus I	4

Area B: Institutional

5 semester hours

COMM 1110	Public Speaking	3
BUSA 1980	Professional Development I	1
BUSA 1990	Leadership I	1

Area C: Humanities/Fine Arts

6 semester hours

ENGL 2111 or 2112	World Literature I or II	3
Choose one of the following:		
ARTH 1000	Art Appreciation	3
HUMN 2004	Introduction to Fine Arts	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
Foreign Language	“Any Course”	3

Area D: Science, Math and Technology

10 semester hours

(A science course with a lab is required.)

CSCI 1153	Introduction to Computers	3
Any 3-credit hour Science Course		3
Any 4-credit hour Science Course with Lab		4

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Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
PSYC 1101	General Psychology or	3
SOCI 1101	Introduction to Sociology or	3
GEOG 1231	Intro to World Regional Geography	3
Regents' Test (Reading and Essay) must be taken after earning 30 semester hours		

B. Major Requirements

Area F: Courses Related to the Program of Study		18 semester hours
ACCT 2101	Principles of Accounting I	3
ACCT 2102	Principles of Accounting II	3
ECON 2105	Principles of Macroeconomics	3
ECON 2106	Principles of Microeconomics	3
BUSA 2105	Communicating in the Business Environment	3
BUSA 2503	Business Information Systems	3

Area G: Marketing Major I: Business Core		30 semester hours
MNGT 3103	Principles of Management	3
MKTG 3103	Principles of Marketing	3
BUSA 3313	Legal, Social Ethical Environment of Business	3
BUSA 3203	Quantitative Methods	3
BUSA 3213	Statistics for Business and Economics	3
MNGT 3303	Operation & Production Management	3
BUSA 3103	Financial Management	3
MKTG 4123	International Marketing	3
BUSA 4123 or	Internship or	3
BUSA 4100	Leadership & Professional Development	3
MNGT 4393	Strategic Management	3

II. Marketing Core		21 semester hours
MKTG 3113	Consumer Behavior	3
MKTG 4113	Marketing Research	3
MKTG 4253	Marketing Management	3

Choose **three** of the following:

MKTG 3123	Salesmanship	3
MKTG 3133	Principles of Retailing	3
MKTG 4103	Marketing Communication	3
MKTG 4133	Marketing Not-for-Profit Organizations	3
BUSA 3153	Risk and Insurance	3
MNGT 3353	Small Business Management	3
MNGT 4383	International Management	3

III. Minor Area	9 semester hours
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All Marketing students must have a minor. Six (6) hours can be transferred from areas F & G and nine (9) hours (three additional courses) should be selected with the approval of the advisor from the Economics, Management or Accounting curriculum. Graduating students must have a total of 15 hours in one minor area.

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C. Institutional Requirements 5 semester hours

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

B.B.A. Degree in Management Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills

Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
Choose one of the following:		
MATH 1101	Mathematical Modeling	3
MATH 1111	College Algebra	3
MATH 1113	Precalculus	4
MATH 1154	Calculus I	4

Area B: Institutional Options

COMM 1110	Public Speaking	3
BUSA 1980	Professional Development I	1
BUSA 1990	Leadership I	1

Area C: Humanities/Fine Arts 6 semester hours

ENGL 2111 or 2112	World Literature I or II	3
Choose one of the following:		
ARTH 1000	Art Appreciation	3
HUMN 2004	Introduction to Fine Arts	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
Foreign Language	“Any Course”	3

Area D: Science, Math and Technology 10 semester hours

(A science course with a lab is required.)

CSCI 1153	Introduction to Computers	3
Any 3-credit hour Science Course		4
Any 4-credit hour Science Course with Lab		3

Area E: Social Sciences 12 semester hours

HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
PSYC 1101	General Psychology or	3
SOCI 1101	Introduction to Sociology	3
GEOG 1231	Intro to World Regional Geography	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

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B. Major Requirements

Area F: Courses Related to the Program of Study		18 semester hours
ACCT 2101	Principles of Accounting I	3
ACCT 2102	Principles of Accounting II	3
ECON 2105	Principles of Macroeconomics	3
ECON 2106	Principles of Microeconomics	3
BUSA 2105	Communicating in the Business Environment	3
BUSA 2503	Business Information Systems	3

Area G: Major Requirements		30 semester hours
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I. Business Core

MNGT 3103	Principles of Management	3
MKTG 3103	Principles of Marketing	3
BUSA 3313	Legal, Social Ethical Environment of Business	3
BUSA 3203	Quantitative Methods	3
BUSA 3213	Statistics for Business and Economics	3
MNGT 3303	Operation and Production Management	3
BUSA 3103	Financial Management	3
MKTG 4123	International Marketing	3
BUSA 4123 or	Internship or	3
BUSA 4100	Leadership and Professional Development	3
MNGT 4393	Strategic Management	3

II. Management Core

		21 semester hours
MNGT 3153	Organizational Theory/Behavior	3
MNGT 3203	Human Resource Management	3
MNGT 4353	Small Business Management	3
MNGT 4383	International Management	3
Choose any three of the following:		
MNGT 4213	Training and Development	3
MNGT 4223	Compensation	3
ACCT 3123	Managerial Accounting	3
BUSA 4103	Investments and Real Estate Analysis	3
BUSA 4353	Introduction to International Business	3
ECON 3393	Labor Economics	3
MKTG 4113	Marketing Research	3

III. Minor Areas

9 semester hours

All Management students must have a minor. Six (6) hours can be transferred from areas F & G and nine (9) hours (three additional courses) should be selected with the approval of the advisor from the Economics, Accounting or Marketing curriculum. Graduating students must have a total of 15 hours in one minor area.

C. Institutional Requirements

5 semester hours

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

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B.B.A. Degree in General Business Total Number of Degree Hours: 125

A. Core Requirements		9 semester hours
Area A: Essential Skills		
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
Choose one of the following:		
MATH 1101	Mathematical Modeling	3
MATH 1111	College Algebra	3
MATH 1113	PreCalculus	4
MATH 1154	Calculus I	4
Area B: Institutional Options		5 semester hours
COMM 1110	Public Speaking	3
BUSA 1980	Professional Development I	1
BUSA 1990	Leadership I	1
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111 or 2112	World Literature I or II	3
Choose one of the following:		
ARTH 1000	Art Appreciation	3
HUMN 2004	Introduction to Fine Arts	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
Foreign Language	“Any Course”	3
Area D: Science, Math and Technology		10 semester hours
CSCI 1153	Introduction to Computers	3
Any 3-credit hour Science Course		3
Any 4-credit hour Science Course with Lab		4
Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
PSYC 1101	General Psychology or	3
SOCI 1101	Introduction to Sociology or	3
GEOG 1231	Intro to World Regional Geography	3
Regents’ Test (Reading and Essay) must be taken after earning 30 semester hours.		

B. Major Requirements

Area F: Courses Related to the Program of Study		18 semester hours
ACCT 2101	Principles of Accounting I	3
ACCT 2102	Principles of Accounting II	3
ECON 2105	Principles of Macroeconomics	3
ECON 2106	Principles of Microeconomics	3

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BUSA 2105	Communicating in the Business Environment	3
BUSA 2503	Business Information Systems	3

Area G: General Business Major 30 semester hours

I. Business Core

MNGT 3103	Principles of Management	3
MKTG 3103	Principles of Marketing	3
BUSA 3313	Legal, Social Ethical Environment of Business	3
BUSA 3203	Quantitative Methods	3
BUSA 3213	Statistics for Business and Economics	3
MNGT 3303	Operation and Production Management	3
BUSA 3103	Financial Management	3
MKTG 4123	International Marketing	3
BUSA 4123 or	Internship or	3
BUSA 4100	Leadership and Professional Development	3
MNGT 4393	Strategic Management	3

II: General Business Core 30 semester hours

Required Courses

ACCT 3123	Managerial Accounting	3
ACCT 4103	Individual Income Tax	3
BUSA 4103	Investments and Real Estate Analysis	3
MNGT 4353	Small Business Management	3
Choose two courses from the following:		
ECON 3303	Money and Banking	3
ECON 3393	Labor Economics	3
ECON 4103	International Economics	3
ECON 4153	Managerial Economics	3
Choose two courses from the following:		
MKTG 3113	Consumer Behavior	3
MKTG 3123	Salesmanship	3
MKTG 3133	Principles of Retailing	3
MKTG 4113	Marketing Research	3
Choose two courses from the following:		
MNGT 3153	Organizational Theory and Behavior	3
MNGT 3203	Human Resource Management	3
MNGT 4213	Training and Development	3
MNGT 4383	International Management	3

C. Institutional Requirements 5 semester hours

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

Economics

The Bachelor of Arts (B.A.) in Economics degree program consists of a diversified curriculum which engages students in the study of personal and institutional administration of society's scarce resources. The program enhances the student's ability to

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function successfully in the market place by understanding the complexities of various economic sectors or units. Graduates are prepared for further study in economics, law or business, or for careers in banking, financial and management consulting, real estate, government, private business and/or commercial enterprises.

Economics majors must earn a grade of "C" or better in all business and economics courses. Courses which may be applied to the major are designated as ECON and BUSA.

Economics Minor

To obtain a minor in economics, students must complete a minimum of 15 semester hours in economics courses, including ECON 2105 and ECON 2106.

B.A. Degree in Economics

Total Number of Degree Hours: 125

Area A: Essential Skills	A. Core Requirements	9-10 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
Choose one of the following:		
MATH 1101	Mathematical Modeling	3
MATH 1111	College Algebra	3
MATH 1113	PreCalculus	4
MATH 1154	Calculus I	4
 Area B: Institutional Options		 5 semester hours
COMM 1110	Public Speaking	3
BUSA 1980	Professional Development I	1
BUSA 1990	Leadership I	1
 Area C: Humanities/Fine Arts		 6 semester hours
ENGL 2111 or 2112	World Literature I or II	3
Choose one of the following:		
ARTH 1000	Art Appreciation	3
HUMN 2004	Introduction to Fine Arts	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
Foreign Language	“Any Course”	3
 Area D: Science, Math and Technology		 10 semester hours
(One science course with a lab is required.)		
CSCI 1153	Introduction to Computers	3
Any 3-credit hour Science Course		3
Any 4-credit hour Science Course with Lab		4
 Area E: Social Sciences		 12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3

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HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
PSYC 1101 or	General Psychology or	3
SOCI 1101	Introduction to Sociology or	3
GEOG 1231	Intro to World Regional Geography	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

B. Major Requirements

Area F: Courses Related to the Program of Study		18 semester hours
ACCT 2101	Principles of Accounting I	3
ACCT 2102	Principles of Accounting II	3
ECON 2105	Principles of Macroeconomics	3
ECON 2106	Principles of Microeconomics	3
BUSA 2105	Communicating in the Business Environment	3
BUSA 2503	Business Information Systems	3

Area G: Economics Major 30 Semester Hours

I. Business Core

MNGT 3103	Principles of Management	3
MKTG 3103	Principles of Marketing	3
BUSA 3313	Legal, Social Ethical Environment of Business	3
BUSA 3203	Quantitative Methods	3
BUSA 3213	Statistics for Business and Economics	3
MNGT 3303	Operation and Production Management	3
BUSA 3103	Financial Management	3
MKTG 4123	International Marketing	3
BUSA 4123 or	Internship or	3
BUSA 4100	Leadership and Professional Development	3
MNGT 4393	Strategic Management	3

II: Economics Core 21 semester hours

Required Courses:

ECON 3103	Intermediate Microeconomics	3
ECON 3113	Intermediate Macroeconomics	3
Choose five of the following:		
ECON 3303	Money and Banking	3
ECON 3105	Intro to Population Economics	3
ECON 3223	Intro to Analytical Demography	3
ECON 3393	Labor Economics	3
ECON 4103	International Economics	3
ECON 4153	Managerial Economics	3
ECON 4163	Economics Development	3
ECON 3313	Financial Institutions	3
ECON 4223	Public Finance	3
ECON 4313	Introduction to Econometrics	3

III. Minor Area 9 semester hours

All Economics students must have a minor. Six (6) hours can be transferred from Areas F and G and nine (9) hours (three additional courses) should be selected with the approval of the advisor from the Marketing, Management or Accounting curriculum.

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Graduating students must have a total of 15 hours in one minor area.

C. Institutional Requirements		5 semester hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

Department of Chemistry

Dr. Dwayne Daniels, Department Head
247-248 Miller Science Building
478/825-6245

The Department of Chemistry offers the Bachelor of Science degree (B.S.) with a major in Chemistry. This degree program prepares the student for immediate employment or for graduate work in chemistry. Students are provided the opportunity to understand the fundamental principles of the various branches of chemistry, their applications and the relationship of chemistry to other fields, such as nursing, pharmacy, human and veterinary medicine and environmental science. Course offerings are designated CHEM, PHSC, GEOL, and SCIE.

Dual Degree Program

The Chemistry Department participates in the Dual Degree Programs in Chemistry and Geology, jointly sponsored with University of Oklahoma and University of Nevada-Las Vegas. The programs consist of three years of course work at Fort Valley State University and two years of course work at University of Oklahoma or University of Nevada-Las Vegas. Upon completion of these programs, students receive a degree in Chemistry from Fort Valley State University and a degree in Geology from University of Oklahoma or a degree in Health Physics from the University of Nevada-Las Vegas. Students enrolled in the Dual Degree programs are required to take PHYS 2211K and 2212K rather than PHYS 1111K and 1112K. These courses are also recommended for other chemistry majors.

Chemistry Major

Program of Study for the B. S. Degree

Total Number of Degree Hours: 125

	Fall Semester	Spring Semester
Freshman Year	CHEM 1211K	CHEM 1212K
	CSCI 1153	ENGL 1102
	ENGL 1101	MATH 1113
	FVSU 0100	POLS 1101
	HIST 1121 or 1122	PEDW 1402
	16 credits	16 credits
Sophomore Year	CHEM 2221K	CHEM 2222K
	ENGL 2111	COMM 1110
	MATH 1154	HIST 2111 or 2112
	PEDW	ELECTIVE
	SOCI 2008	PEDW

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Junior Year	17 credits	17 credits
	CHEM 3341K	CHEM 3210
	CHEM 3250K	CHEM 3342K
	MATH 2174	Elective
	PHYS 2211K	MATH 3223
	PEDW	PHYS 2212K
	15 credits	17 credits
Senior Year	CHEM 4331K	CHEM 3320
	CHEM 4450	CHEM 4210
	MATH 2113	CHEM 4332K
	Elective	CHEM 4350
		Elective
	15 credits	12 credits

Chemistry Major Total Number of Degree Hours: 125

A. Core Requirements		10 semester hours
Area A: Essential Skills	Course Title	
Course Number		
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	PreCalculus	4
Area B: Institutional Options		5 semester hours
COMM 1110	Public Speaking	3
One of the following:		
SOCI 2008	Cultural Diversity	2
FCSC 2200	Effective Living	2
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111	World Literature I	3
One of the following:		
ARTH 1000	Art Appreciation	3
HUMN 2004	Introduction to Fine Arts	3
MUSC 1000	Music Appreciation	3
ENGL 2112	World Literature II	3
PHIL 2002	Ethics	3
Area D: Science, Math and Technology:		10 semester hours
	(A science course with a lab is required.)	
CHEM 1211K	Principles of Chemistry I	4
CHEM 1212K	Principles of Chemistry II	4
CSCI 1153	Introduction to Computers	3
Area E: Social Sciences		
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3

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One of the following:

ECON 2105	Principles of Macroeconomics	3
PSYC 1001	General Psychology	3
SOCI 1101	Intro to Sociology	3
ECON 2106	Principles of Microeconomics	3
GEOG 1231	Intro to World Regional Geography	3

B. Major Requirements

Area F: Courses Related to the Program of Study **16 semester hours**

CHEM 2221K	Principles of Organic Chemistry I	4
CHEM 2222K	Principles of Organic Chemistry II	4
MATH 1154	Calculus I	4
MATH 2164	Calculus II	4

*Indicates courses which must be taken.

**Regent's Test must be taken in the first semester after student earns 30 credit hours.

Area G: Mandatory Chemistry Major Courses **60 semester hours**

CHEM 3310	Advanced Inorganic	3
CHEM 3341K	Principles of Analytical Chemistry	4
CHEM 3342K	Chemical Instrumentation	4
CHEM 4331K	Physical Chemistry I	4
CHEM 4332K	Physical Chemistry II	4
CHEM 4450	Chemistry Senior Project	2
CHEM 4210	Chemistry Seminar	1
PHYS 2211K	Physics I	4
PHYS 2212K	Physics II	4
MATH 2174	Calculus III	4
MATH 2113	Elementary Statistics	3
MATH 3223	Differential Equations	3
	Foreign Language I	3
	Foreign Language II	3

II: Electives **14 semester hours**

Suggested courses:

CHEM 3250K	Principles of Biochemistry	4
CHEM 4350	Polymer Chemistry	2
CHEM 3320	Advanced Organic	3
BIOL 1107K	Biology	4
BIOL 1108K	Biology	4

C. Institutional Requirements **5 semester hours**

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW or PEDW 2522	Personal and Community Health	2
FVSU 0100	Orientation to the University	1

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FVSU-OU or FVSU-UNLV Dual Degree Programs
Major in Chemistry and Geology or Chemistry and Health Physics

Total FVSU Hours: 125

	Fall Semester	Spring Semester
Freshman Year	CHEM 1211K CSCI 1153 ENGL 1101 FVSU 0100 HIST 1111 or 1112 MATH 1113 PEDW 1402 21 credits	CHEM 1212K ENGL 1102 Elective MATH 1154 MUSC 1000 PEDW POLS 1101 21 credits
Sophomore	CHEM 2221K ENGL 2111 Elective MATH 2164 PEDW CHEM 3341K Elective 21 credits	CHEM 2222K COMM 1110 HIST 2111 or 2112 MATH 2113 MATH 2174 PEDW CHEM 3342K 20 credits
Junior Year	CHEM 3250K CHEM 4331K MATH 3223 PHYS 2211K Elective 21 credits	CHEM 3310 CHEM 3320 CHEM 4210 CHEM 4332K CHEM 4450 PHYS 2212K CHEM 4350 21 credits

Chemistry/Health Physics Major
Total Number of Degree Hours: 125

A. Core Requirements		10 semester hours
Area A: Essential Skills	Course Number	Course Title
	ENGL 1101	English Composition I
	ENGL 1102	English Composition II
	MATH 1113	PreCalculus
		3
		3
		4
Area B: Institutional Options		5 semester hours
	COMM 1110	Public Speaking
	One of the following:	
	SOCI 2008	Cultural Diversity
	FCSC 2200	Effective Living
		3
		2
		2
Area C: Humanities/Fine Arts		6 semester hours
	ENGL 2111	World Literature I
	One of the following:	
	ARTH 1000	Art Appreciation
	HUMN 2004	Introduction to Fine Arts
		3
		3

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MUSC 1000	Music Appreciation	3
ENGL 2112	World Literature II	3
PHIL 2002	Ethics	3

Area D: Science, Math and Technology: **11 semester hours**
(A science course with a lab is required.)

CHEM 1211K	Principles of Chemistry I	4
CHEM 1212K	Principles of Chemistry II	4
CSCI 1153	Introduction to Computers	3

Area E: Social Sciences **12 semester hours**

HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3

One of the following:

ECON 2105	Principles of Macroeconomics	3
PSYC 1001	General Psychology	3
SOCI 1101	Intro to Sociology	3
ECON 2106	Principles of Microeconomics	3
GEOG 1231	Intro to World Regional Geography	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

B. Major Requirements

Area F: Courses Related to the Program of **16 semester hours**

CHEM 2221K	Principles of Organic Chemistry I	4
CHEM 2222K	Principles of Organic Chemistry II	4
MATH 1154	Calculus I	4
MATH 2164	Calculus II	4

***Indicates courses which must be taken.**

Area G: Mandatory Chemistry Major Courses **60 semester hours**

CHEM 3310	Advanced Inorganic	3
CHEM 3341K	Principles of Analytical Chemistry	4
CHEM 3342K	Chemical Instrumentation	4
CHEM 4331K	Physical Chemistry I	4
CHEM 4332K	Physical Chemistry II	4
CHEM 4450	Chemistry Senior Project	2
CHEM 4210	Chemistry Seminar	1
PHYS 2211K	Physics I	4
PHYS 2212K	Physics II	4
MATH 2174	Calculus III	4
MATH 2113	Elementary Statistics	3
MATH 3223	Differential Equations	3
Foreign Language I		3
Foreign Language II		3

II: Electives **14 semester hours**

Suggested courses:

CHEM 3250K	Principles of Biochemistry	4
CHEM 4350	Polymer Chemistry	2
CHEM 3320	Advanced Organic	3

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GEOL 1114	Introduction to Physical Geology	4
GEOL 1124	Earth History	4
GEOL 2204	Introduction to Mineral Science	4
BIOL 1107K	Biology	4
BIOL 1108K	Biology	4

C. Institutional Requirements 5 semester hours

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW or		
PEDW 2522	Personal and Community Health	2
FVSU 0100	Orientation to the University	1

FVSU-OU Dual Degree Program in Chemistry and Geosciences

Total FVSU Hours: 127

Freshman Year	Summer	Fall Semester	Spring Semester
	ENGL 1101	CHEM 1211K	CHEM 1212K
	HIST 1121	CSCI 1153	COMM 1110
	MATH 1113	ENGL 1102	ENGL 2111
	PEDW 1402	FVSU 0100	GEOL 1121
	POLS 1101	MATH 1154	MATH 2164
		MUSC ¹ 1000	PEDW 2522
		PEDW	PHSC 2012
		PHSC 2011	
	14 credits	20 credits	21 credits
Sophomore Year		CHEM 2221K	CHEM 2222K
		HIST 2111	GEOL 1122
		MATH 2174	CHEM 3342K
		CHEM 3341K	PSYC 1101 ²
		SOCI 2008	SPAN 1002
		SPAN 1001	
		20 credits	18 credits
Junior Year		CHEM 3250K	CHEM 3210
		CHEM 3341K	CHEM 4210
		CHEM 4331K	CHEM 4332K
		MATH 2113	CHEM 4450
		MATH 3223	CHEM Elective ³
		PHYS 2211K	GEOL 2204
			PHYS 2212K

¹ Or ENGL 2112, ARTH 1000, HUMN 2004, PHIL 2002.

² Or ECON 2105, ECON 2106, SOCI 1101, GEOG 1231.

³ Chemistry majors will choose from Chemistry, Geology, English, and History.

Chemistry/Geosciences Concentration

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential

10 semester hours

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Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	PreCalculus	4
Area B: Institutional Options		5 semester hours
COMM 1110	Public Speaking	3
One of the following:		
SOCI 2008	Cultural Diversity	2
FCSC 2200	Effective Living	2
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111	World Literature I	3
One of the following:		
ARTH 1000	Art Appreciation	3
HUMN 2004	Introduction to Fine Arts	3
MUSC 1000	Music Appreciation	3
ENGL 2112	World Literature II	3
PHIL 2002	Ethics	3
Area D: Science, Math and Technology:		10 semester hours
(A science course with a lab is required.)		
CHEM 1211K	Principles of Chemistry I	4
CHEM 1212K	Principles of Chemistry II	4
CSCI 1153	Introduction to Computers	3
Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
One of the following:		
ECON 2105	Principles of Macroeconomics	3
PSYC 1001	General Psychology	3
SOCI 1101	Intro to Sociology	3
ECON 2106	Principles of Microeconomics	3
GEOG 1231	Intro to World Regional Geography	3
Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.		
B. Major Requirements		
Area F: Courses Related to the Program of		16 semester Hours
CHEM 2221K	Principles of Organic Chemistry I	4
CHEM 2222K	Principles of Organic Chemistry II	4
MATH 1154	Calculus I	4
MATH 2164	Calculus II	4
*Indicates courses which must be taken.		
**Regent's Test must be taken in the first semester after student earns 30 credit hours		
Area G: Mandatory Chemistry Major		60 semester Hours
CHEM 3310	Advanced Inorganic	3
CHEM 3341K	Principles of Analytical Chemistry	4
CHEM 3342K	Chemical Instrumentation	4

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CHEM 4331K	Physical Chemistry I	4
CHEM 4332K	Physical Chemistry II	4
CHEM 4450	Chemistry Senior Project	2
CHEM 4210	Chemistry Seminar	1
PHYS 2211K	Physics I	4
PHYS 2212K	Physics II	4
MATH 2174	Calculus III	4
MATH 2113	Elementary Statistics	3
MATH 3223	Differential Equations	3
Foreign Language I		3
Foreign Language II		3

II: Electives **14 semester hours**

Suggested courses:

CHEM 3250K	Principles of Biochemistry	4
CHEM 4350	Polymer Chemistry	2
CHEM 3320	Advanced Organic	3
GEOL 1114	Introduction to Physical Geology	4
GEOL 1124	Earth History	4
GEOL 2204	Introduction to Mineral Science	4

C. Institutional Requirements **5 semester hours**

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW or		
PEDW 2522		1
FVSU 0100	Orientation to the University	1

Department of English and Foreign Languages

Dr. Joyce Jenkins, Department Head
226 Bond Building
478/825-6380/6392/6393

The Department of English and Foreign Languages offers two majors: a Bachelor of Arts (B.A.) degree in English and a Bachelor of Science (B.S.) degree in secondary education with a major in French. Students pursuing the B.A. in English may choose the literature track or the technical and professional writing track. Most courses for the writing track are available online. Minors in Spanish and English are also available. The curriculum prepares students for graduate study in English, French, and other allied fields such as law, medicine, and communications. Additionally, graduates are prepared to teach in public schools and for careers in publishing, public relations, government, business, and industry.

In conjunction with other programs, the department also offers a Bachelor of Arts (B.A.) in Liberal Studies with concentrations in Creative Arts, Spanish, International Studies, and Environmental Science.

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The department also provides courses which are taken by students in all other academic units. Courses in writing, literature, philosophy, French, Spanish, and Japanese assist students in meeting their general education outcomes as required by the University. The English and Foreign Languages curricula are designed to provide the communication, thinking, cultural, creative, service and philosophical components of traditional liberal arts. Courses offered by the department are designated as ENGL, FREN, JAPN, SPAN, SEDL, GRMN, and PHIL.

Bachelor of Arts Degree in English

Departmental Requirements in Addition to University Requirements

Entrance to the first course in English, ENGL 1101, Composition, is determined by achievement of an acceptable score on a placement test. Official admission into the English major program is determined by an interview process conducted by academic advisors. To proceed from one Core Curriculum class in English to the next, a student must earn a grade of "C" or better in each class. To be admitted to courses on the 3000 and 4000 levels, the English major must meet the following criteria: (1) have earned a cumulative grade point average of 2.50 or higher and (2) have completed all course work required to remedy deficiencies noted as a result of the Sophomore Assessment Project, ENGL 2153. Majors must earn a "C" or better in **all** English courses.

Majors are required to present a research or project proposal which will be critiqued by faculty the semester or session prior to taking the senior capstone course (ENGL 4183 or 4193). Students are assigned faculty mentors prior to enrolling in the capstone course.

English majors should take ENGL 1001, English Orientation, in addition to FVSU 0100, Orientation to the University. At least one internship or practicum is required. Active membership in the English Club is also required during the student's entire period as an English major. Additionally, majors are expected to participate in one or more of the following departmental student organizations: the Creative Writing Club, the Foreign Language Club, and/or the literary magazine staff. All Fort Valley State University students are welcome to participate in these organizations.

English Major: Literature Track
Program of Study for the B. A. Degree
For more information, see <http://www.fvsu.edu>

	Fall Semester	Spring Semester
Freshman Year	ENGL 1101 or 1181 MATH 1111 or 1101 FVSU 0100	ENGL 1102 or 1182 BIOL 1104K ² HIST 1111 or HIST 1112
	CSCI 1153 ENGL 1001	Area B Elective ¹ PEDW
	Foreign Language Course	Foreign Language
Course	PEDW 1402 15 credits	15 credits

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Sophomore Year	ENGL 2111 COMM 1110 HIST 2111 or 2112 Area C Elective ³ Area D Elective ⁴ 16 credits	ENGL 2112 POLS 1101 ENGL 2153 Area E Elective ⁴ ENGL or PHIL 2000 level PEDW 15 credits
Junior Year	ENGL 2111 or 2112 ENGL 2131 or 2132 PEDW ENGL 3033 ENGL Period Course ENGL Upper Division Course 16 credits	ENGL Major Author Course ENGL 4113 ENGL 3013 ENGL 2303/2313/2323 ENGL 4713/4763/ or 4793 ENGL Period Course 18 credits
Senior Year	ENGL 4043 or 4053 ENGL 4183 or 4193 Elective Internship Elective 15 credits	ENGL 3123/3113/4013 ENGL Upper Division Course Elective Elective Elective 15 credits

¹Options include AGED 2821, SOCI 2008, BUSA 1980, EDUC 1001, etc.

²Options include BOTN 2001, ZOOL 2001, etc.

³Options include ENGL 2163,2013,2033, or PHIL 2000, etc.

⁴Options include GEOG 1230, PHSC 1101 or 1102, etc.

English Major - Literature Track Total Number of Degree Hours: 125

A. Core Requirements		9 semester hours
Area A: Essential Skills		
Course Number	Course Title	
ENGL 1101 or 1181	English Composition I	3
ENGL 1102	English Composition II or 1182	3
MATH 1111 or MATH 1101	College Algebra or Math Modeling	3
Area B: Institutional Options		
COMM 1110	Public Speaking	3
	Elective from Area B	1-2
Area C: Humanities/Fine Arts		
ENGL 2111	World Literature I	3
	Elective from Area C	3
Area D: Science, Math and Technology		
10 semester hours		
(A science course with a lab is required.)		
BIOL 1104K	Biological Science	4
CSCI 1153	Introduction to Computers	3

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Area D elective 3

Area E: Social Sciences 12 semester hours

HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
	Elective from Area E	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

B. Major Requirements

Area F: Courses Related to the Program of Study 18 semester hours

SPAN or FREN 1002		3
SPAN or FREN 2001		3
ENGL 2112	World Literature II	3
ENGL 2153	Grammar of Literary Criticism	3
One of the following:		
ENGL 2121	Survey of English Literature I	3
ENGL 2122	Survey of English Literature II	3
One of the following:		
ENGL 2131	Survey of American Literature I	3
ENGL 2132	Survey of American Literature II	3

Major Requirements 45 semester hours

ENGL 3033	Black Heritage	3
ENGL 4113	Shakespeare	3
ENGL 3013	History of the English Language	3

One of the following:

ENGL 2013	Introduction to Linguistics	3
ENGL 2000 level		3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
ENGL 4033	Introduction to African American Literature	3

One of the following:

ENGL 3233	Medieval English Literature	3
ENGL 3243	Renaissance. and Early 17 th Century Literature	3
ENGL 3253	18 th Century British Literature	3
ENGL 3263	British Romanticism	3
ENGL 3273	Victorian Literature	3
ENGL 3283	Modern British Literature	3

One of the following:

ENGL 3313	American Literature 1620 – 1820	3
ENGL 3323	American Romanticism	3
ENGL 3343	Contemporary American Literature	3

One of the following:

ENGL 3123	Creative Writing	3
ENGL 3113	Advanced Composition	3
ENGL 4013	Advanced Linguistics	3

One of the following:

ENGL 4123	Milton and/or	3
ENGL 4103	Chaucer and/or	3

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ENGL 4413	Major Authors Course	3
One of the following:		
ENGL 4043	African American Prose or	3
ENGL 4053	African American Poetry and Drama	3
One of the following:		
ENGL 4713	Genre Course	3
ENGL 4763	Genre Course	3
ENGL 4793	Genre Course	3
One of the following:		
ENGL 2303	Coop Educ. Internship I	3
ENGL 2313	Coop Educ. Internship II	3
ENGL 2323	Coop Educ. Internship III	3
ENGL 2193	Tech. /Prof. Writing Practicum I	3
ENGL 3193	Tech. /Prof. Writing Practicum II	3
ENGL 3203	Tech. /Prof. Writing Internship I	3
ENGL 4203	Tech. /Prof. Writing Internship II	3
Four of the following:		
ENGL 4153	and	3
	Upper Level English and	3
	Upper Level English and	3
	Upper Level English	3
One of the following:		
ENGL 4183	Capstone Senior Seminar (Literature)	3
ENGL 4193	Capstone Senior Seminar (Writing)	3

II. Electives **15 semester hours**

C. Institutional Requirements		5 semester hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1
ENGL 1001	English Orientation	1

English Major: Writing Track
Program of Study for the B.A. Degree
Total Number of Degree Hours: 125

This program also is available fully online. The requirements are the same as they are for the traditional program. Internships and practica will be supervised via virtual technologies for students who are unable to interact with campus evaluators face-to-face.

Freshman Year	Fall Semester	Spring Semester
	ENGL 1101 or 1181	ENGL 1102 or 1182
	MATH 1111 or 1101	BIOL 1104K ²
	FVSU 0100	HIST 1111 or HIST 1112
	CSCI 1153	Area C Elective ³
	ENGL 1001	Foreign Language Course

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	Area B Elective ¹ Foreign Language Course PEDW 1402 17 credits	PEDW 17 credits
Sophomore Year	ENGL 2111 COMM 1110 HIST 2111 or 2112 ENGL 2053 ENGL 2143 PEDW 15 credits	ENGL 2112 POLS 1101 ENGL 2121 or 2122 ENGL 2153 Science Course ² PEDW 16 credits
Junior Year	Area E Elective ENGL 3033 ENGL Upper Div. Lit. ENGL 2193 or ENGL 3193 ENGL 3153 15 credits	ENGL 2131 or 2132 ENGL Upper Div. Lit. Elective Elective ENGL 2073 ENGL 2023 ENGL 3173 15 credits
Senior Year	MGNT 3353 or 3103 ENGL 3183 Elective Elective ENGL 4193 or ENGL 4183 15 credits	ARTH 2363 ENGL 3203 or 4203 Elective Elective Elective 15 credits

¹Options include AGED 2821, SOCI 2008, BUSA 1980, EDUC 1001, etc.

²Options include BOTN 2001, ZOOL 2001, etc.

³Options include ENGL 2163, 2013, 2033, or PHIL 2000, etc.

⁴Options include GEOG 1230, PHSC 1101 or 1102, etc.

B. A. Degree in English: Writing Track

Total Number of Degree Hours: 125

	A. Core Requirements	
Area A: Essential Skills		9 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I or ENGL 1181 Honors Comp I	3
ENGL 1102	English Composition II or ENGL 1182 Honors Comp II	3
MATH 1111 or 1101	College Algebra or Math Modeling	3
Area B: Institutional Options		4-5 semester hours
COMM 1110	Public Speaking	3
One of the following:		
AGED 2821	Youth Leadership Development	1
EDUC 101	Library Skills	1
SOCI 2008	Cultural Diversity	2
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111	World Literature I	3
One of the following (or other Area C elective):		
ARTH 1000	Art Appreciation	3

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MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
Area D: Science, Math and Technology		10 semester hours
(A science course with a lab is required.)		
BIOL 1104K	Biological Science (or other lab science)	4
Two of the following (or other Area D electives):		
CSCI 1153	Introduction to Computers	3
BIOL 1105	Environmental Science	3
PHSC 1101	Physical Science I	3
Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3

One of the following (or other Area E elective):

GEOG 1231	Intro to World Regional Geography	3
ECON 2105	Principles of Macroeconomics	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

B. Major Requirements

Area F: Courses Related to the Program of Study		18 semester hours
SPAN or FREN 1002		3
SPAN or FREN 2001*		3
ENGL 2112	World Literature II	3
ENGL 2153	Grammar of Literary Criticism	3
ENGL 2121 or ENGL 2122	Survey of English Literature	3
ENGL 2143	Introduction to Research	3

** Students who had two years of foreign language in high school must start with the second part if taking the same language in college.*

Major Requirements		60 semester hours
ENGL 3033	Black Heritage	3
ENGL 2053	Introduction to Technical Report Writing	2
ENGL 2131 or 2132	Survey of American Literature I or II	3
Two Upper Division English Literature Courses		6
ENGL 2023	Critical Writing and Thinking	3
ENGL 2073	On-line Communication	3
ENGL 2193 or 3193	Tech. /Prof. Writing Practicum I or II	3
ENGL 3153	Advanced Tech. /Prof. Writing	3
ENGL 3173	Business and Technical Communication	3
ENGL 3183	Professional Editing	3
ENGL 3203 or 4203	Tech. /Prof. Writing Internship I or II	3
ENGL 4193	Capstone Senior Seminar (Writing)	3
One of the following:		
MNGT 3353	Small Business Management	3
MNGT 3103	Principles of Business Management	3
One of the following:		
ARTH 2363	Introduction to Computer Graphics	3
MCMM 4173	Graphic Communications	3

II. Electives *** **16 semester hours**

*****Majors following the writing track should attempt to specialize in a specific field such as computer science, agriculture, a science, business, mass communications, a**

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social science, etc.

C. Institutional Requirements		6 semester hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
ENGL 1001	English Orientation	1
FVSU 0100	Orientation to the University	1

¹Options include AGED 2821, SOCI 2008, BUSA 1980, EDUC 1001, etc.
²Options include BIOL 1007, BOTN 2001, ZOO 2001, etc.
³Options include GEOG 1230, PHSC 1101 or 1102, etc.

English Minor

The English minor requires 12 hours in upper-level courses from the following:

(1) **One** survey course:

- ENGL 2121 A Survey of English Literature I
- ENGL 2122 A Survey of English Literature II
- ENGL 2131 A Survey of American Literature I or
- ENGL 2132 A Survey of American Literature II

(2) **One** writing or language course:

- ENGL 2013 Introduction to Linguistics
- ENGL 2023 Critical Thinking and Writing
- ENGL 2033 Intermediate Composition
- ENGL 2053 Introduction to Technical Report Writing
- ENGL 2073 Online Communication
- ENGL 2143 Introduction to Research

(3) One upper-level course in literature

(4) One upper-level English elective

Minor in Spanish

The Spanish minor requires **12 hours** in upper-level courses from the following:

- SPAN 3013 Spanish Phonetics and Conversation
- SPAN 3023 Spanish Grammar Review and Composition I
- SPAN 3033 Spanish Grammar Review and Composition II
- SPAN 3043 Spanish and Spanish-American Civilization
- SPAN 3053 Survey of Spanish Peninsular Literature
- SPAN 3063 Survey of Spanish-American Literature

Liberal Studies

The Liberal Studies (L.S.) major degree program, a trans-disciplinary degree program, provides a structured set of experiences whereby students will achieve a broad preparation in the classic disciplines of the humanities and sciences. Students in each of the five concentrations (Creative Arts, International Studies, Environmental Science, African World Studies, and Foreign Language/Spanish) gain cultural and/or scientific knowledge of the world, original thinking and/or creative ability, and an understanding of the need for seeing world affairs and individual liberal arts disciplines in the perspective of the larger context of liberal arts studies. The degrees awarded to students who

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complete the program will be inscribed:

- Bachelor of Arts in Liberal Studies with a concentration in Creative Arts
- Bachelor of Arts in Liberal Studies with a concentration in International Studies
- Bachelor of Arts in Liberal Studies with a concentration in African World Studies
- Bachelor of Arts in Liberal Studies with a concentration in Spanish.
- Bachelor of Arts in Liberal Studies with a concentration in Environmental Science.

The curriculum of the Liberal Studies program is trans-disciplinary and is decided upon by the student and the academic advisor, with approval from a Liberal Studies Committee. It is an undergraduate degree for individuals who are highly curious about the world, who wish to have a broad spectrum of academic experiences, and who desire career flexibility. The 120-semester-hour major includes three interdisciplinary courses: University Life and Thought (an orientation), Ethics, and Aesthetics.

Departmental Requirements in addition to University Requirements

Students will complete A – E of the Core; an Area F that consists of additional liberal arts courses; 29 more hours in liberal arts foundation courses; and a concentration (International Studies, Creative Arts, Environmental Science, African World Studies or Foreign Language /Spanish). All will be required to have proficiency with computers and participate in (1) University Life and Thought, (2) a sophomore assessment project in English 2112 - World Literature II, (3) Aesthetics, (4) a capstone ethics course with a senior project included, (5) an ongoing portfolio assessment, and (6) a standardized test such as those required for admittance to graduate study.

The L.S. degree offers students an unusual degree of control over their course of study, without abandoning the necessary structure to ensure the vital focus and cohesion for a meaningful education. Finally, it offers students a wide range of employment possibilities.

Program of Study for the B. A. Degree in Liberal Studies

Because of the great number of options available to students in the Liberal Studies major, it is not possible to present standard programs of study for freshman, sophomore, junior and senior years. Students will plan their curriculums with their advisors, and these programs of study must be approved by the Liberal Studies Committee.

Program of Study for the B. A. Degree in Liberal Studies

Because of the great number of options available to students in the Liberal Studies major, it is not possible to present standard programs of study for freshman, sophomore, junior and senior years. Students will plan their curriculums with their advisors, and these programs of study must be approved by the Liberal Studies Committee.

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Liberal Studies Major: All Concentrations Program of Study for Areas A – E of the Core Total: 48 hours

Area A: Essential Skills		9 semester hours
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111 or 1101	College Algebra or Math Modeling	3

Area B: Institutional Options		4-5 semester hours
COMM 1110	Public Speaking	3
One of the following:		
BUSA 1980/1990	Professional Development/Leadership	1
EDUC 1001	Library Skills	
AGED 2821	Youth Leadership Development	1
MATH 1201	Problem solving Strategies	1
SOCI 2008	Cultural Diversity	2
FCSC 2200	Effective Living	2

Area C: Humanities and Fine Arts		6 semester hours
ENGL 2111	World Literature I	3
One of the following:		
ARTH 1000	Art Appreciation	3
FREN 1001	Elementary French I	3
FREN 1002	Elementary French II	3
FREN 2001	Intermediate French I	3
FREN 2002	Intermediate French II	3
HUMN 2004	Introduction to Fine Arts	3
JAPN 1001	Elementary Japanese I	3
JAPN 1002	Elementary Japanese II	3
JAPN 2001	Intermediate Japanese I	3
JAPN 2002	Intermediate Japanese II	3
MUSC 1000	Introduction to Music	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
PHIL 2173	Religious Studies	3
SPAN 1001	Elementary Spanish I	3
SPAN 1002	Elementary Spanish II	3
SPAN 2001	Intermediate Spanish I	3
SPAN 2002	Intermediate Spanish II	3

Area D: Science, Mathematics and Technology		10-11 semester hours
Option 1 - Non-Science Majors: Science		8 hours
Two courses from the following; one must be a laboratory science course:		
BIOL 1104	Introductory Biology	4
BIOL 1105	Environmental Science	3
BIOL 1107	Principles of Biology I	4
BIOL 1108	Principles of Biology II	4
BOTN 2001	General Botany	4
CHEM 1101	Introductory Chemistry I	4
CHEM 1102	Introductory Chemistry II	4

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CHEM 1211	Principles of Chemistry I	4
CHEM 1212	Principles of Chemistry II	4
GEOL 1121	Physical Geology	4
GEOL 1122	Earth History	4
GEOG 1230	Introduction to Physical Geography	3
PHSC 1101	Physical Science I	3
PHSC 1102	Physical Science II	3
PHYS 1111	General Physics I	4
PHYS 1112	General Physics II	4
PHYS 2211	Physics I	4
PHYS 2212	Physics II	4
ZOOL 2201	Human Anatomy and Physiology I	4
ZOOL 2202	Human Anatomy and Physiology II	4

Mathematics and Technology **3 hours**

One from the following:

CSCI 1153	Introduction to Computers *	3
MATH 1112	Trigonometry	3
MATH 1154	Calculus I	4
MATH 2113	Elementary Statistics	3
MATH 2203	Introduction to Linear Algebra	3

(*Recommended unless proficiency in use of computers has been demonstrated in other ways to the satisfaction of the advisor)

Option 2 - Science Majors: Science **8 semester hours**

Two courses from the following; one must be a laboratory science course:

BIOL 1107	Principles of Biology I	4
BIOL 1108	Principles of Biology II	4
BOTN 2001	General Botany	4
CHEM 1121	Principles of Chemistry I	4
CHEM 1122	Principles of Chemistry II	4
GEOL 1121	Physical Geology	4
PHYS 1111	General Physics I	4
PHYS 1112	General Physics II	4
PHYS 2211	Physics I	4
PHYS 2212	Physics II	4
ZOOL 2201	Human Anatomy and Physiology I	4
ZOOL 2202	Human Anatomy and Physiology II	4

Mathematics and Technology

One from the following:

CSCI 1153	Introduction to Computers	3
MATH 1112	Trigonometry	3
MATH 1154	Calculus I	4
MATH 2113	Elementary Statistics	3
MATH 2203	Introduction to Linear Algebra	3

Area E: Social Sciences

HIST 1111 or 1112	History of Civilization	3
HIST 2111 or 2112	U.S. History to 1865	3
POLS 1101	American Government	3

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One from the following:

GEOG 1231	Intro. to World Regional Geography	3
PSYC 1101	General Psychology	3
SOCI 1101	Introduction to Sociology	3
ECON 2105	Principles of Macro-economics	3
ECON 2106	Principles of Micro-economics	3

Major Requirements in the Concentrations

Note: Some courses, including Life and Thought, World Literature II, Civilization II, U.S. History II, the Capstone Course in Ethics, and the Aesthetics course, are required for all Liberal Studies majors, and special sections of these classes will be designated for them.

B. A. Degree in Liberal Studies: Creative Arts Concentration **Program of Study for Area F and Major Requirements: 83 hours**

Total Number of Degree Hours: 125

B. Major Requirements

Area F: Major **18 semester hours**

ENGL 2112 World Literature II 3

Two, in sequence, of the following (or an additional class if a foreign language was chosen under C):

FREN 1002	Elementary French II	3
FREN 2001	Intermediate French I	3
FREN 2002	Intermediate French II	3
JAPN 1001	Elementary Japanese I	3
JAPN 1002	Elementary Japanese II	3
JAPN 2001	Intermediate Japanese I	3
JAPN 2002	Intermediate Japanese II	3
SPAN 1002	Elementary Spanish II	3
SPAN 2001	Intermediate Spanish I	3
SPAN 2002	Intermediate Spanish II	3

Six to nine hours from the following, in addition to those taken under Area C:

(At least one fine arts and one philosophy course required.):

ARTH 1000	Art Appreciation	3
FREN 1001	Elementary French I	3
FREN 1002	Elementary French II	3
FREN 2001	Intermediate French I	3
FREN 2002	Intermediate French II	3
HUMN 2004	Introduction to Fine Arts	3
MUSC 1000	Introduction to Music	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
PHIL 2173	Religious Studies	3
SPAN 1001	Elementary Spanish I	3
SPAN 1002	Elementary Spanish II	3
SPAN 2001	Intermediate Spanish I	3
SPAN 2002	Intermediate Spanish II	3

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Additional Foundation Courses in the Liberal Arts: 21 semester hours

One from the following:

MATH 1113	Pre-Calculus (see advisor)	4
MATH 1154	Calculus I	4
Additional Lab Science		4

One from the following:

ENGL 2013	Intro to Linguistics	3
ENGL 2153	Grammar of Literary Criticism	3
ENGL 2163	Studies in Literature	2
HIST 1111 or 1112	(whichever was not taken under Area E)	3
HIST 2111 or 2112	(whichever was not taken under Area E)	3
ECON 2105	Principles of Macro-economics	3
ECON 2106	Principles of Micro-economics	3
One of the following	(whichever was not taken under Area E):	
GEOG 1231	Intro. to World Regional Geography	3
PSYC 1101	General Psychology	3

Concentration

Four from the following:

ENGL 3263	British Romanticism	3
ENGL 3263	Victorian Literature	3
*ENGL 3283	Modern British Literature	3
ENGL 3313	American Literature	3
ENGL 3323	American Romanticism	3
ENGL 3233	American Realism and Naturalism	3
*ENGL 3343	Contemporary American Literature	3
ENGL 4113	Shakespeare	3
*ENGL 4153	Critical Theory	3
*ENGL 4713	Genre Fiction	3
*ENGL 4793	Genre Drama	3
(Only two of the following four courses may be chosen)		
*ENGL 4033	Introduction to African American Literature	3
*ENGL 4043	African American Prose	3
*ENGL 4053	African American Poetry and Drama	3
*ENGL 3033	Black Heritage	3

Performance/Application

One from the following:

ARTH 3302	Printmaking II	3
ARTH 3382	Visual Communication II	3
ARTH 3363	Computer Graphics I	3
ARTH 3353	Advertising Procedures	3
DRAM 3343	Intermediate Acting	3
DRAM 4347	Play Production	3
ENGL 3123	Creative Writing	3
ENGL 3153	Advanced Technical and Professional Writing	3
MCOMM 4123	Feature Writing	3
Three from the following:		
ARTH 2000	Art History	3
ARTH 3000	20 th Century Art	3
DRAM 3347	Advanced Acting	3

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HIST XXXX	Any course numbered 3000 or above	3
MCOMM 4133	Institutional and Industrial Publications	3
MUSC 3292	Music History	3
MUSC 4262	Form and Analysis	3
ENGL 3183	Professional Editing	3
Required Major Courses		
PHIL 4000	Ethics Seminar (B.L.S. Capstone)	3
PHIL 4002	Major Theories in Aesthetics	3
FVSU 1008	University Life and Thought	1
Free Electives on the 300- 400 level.		8 semester hours
Recommended:		
MNGT 3103	Principles of Management	3
MKTG 3103	Principles of Marketing	3
 Institutional Requirements:		
		5 semester hours
FVSU 0100	Orientation to University	1
PEDW courses		4

B. A. Degree in Liberal Studies: International Studies Concentration
Program of Study for Area F and Major Requirements: 83 hours
Total Number of Degree Hours: 125

Area F

ENGL 2112	World Literature II	3
Four from the following, in addition to those taken under Area C. (Students concentrating in International Studies should take 12 hours of a foreign language unless the Department of English and Foreign Languages certifies him/her to be fluent. (If that certification is obtained after 6 or 9 hours have been taken, the language requirement is satisfied.)		
FREN 1001	Elementary French I	3
FREN 1002	Elementary French II	3
FREN 2001	Intermediate French I	3
FREN 2002	Intermediate French II	3
JAPN 1001	Elementary Japanese I	3
JAPN 1002	Elementary Japanese II	3
JAPN 2001	Intermediate Japanese I	3
JAPN 2002	Intermediate Japanese II	3
SPAN 1001	Elementary Spanish I	3
SPAN 1002	Elementary Spanish II	3
SPAN 2001	Intermediate Spanish I	3
SPAN 2002	Intermediate Spanish II	3
One from the following:		
ARTH 1000	Art Appreciation	3
MUSC 1000	Introduction to Music	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
PHIL 2173	Religious Studies	3
HIST 1111 or 1112	(whichever was not taken under Area E)	3
HIST 2111 or 2112	whichever was not taken under Area E)	3
ECON 2105	Principles of Macro-economics	3
ECON 2106	Principles of Micro-economics	3
GEOG 1231	Introduction to World Geography	3

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Additional Foundation Courses in the Liberal Arts:

(Courses taken to satisfy the Foundation Courses requirement may not be used as part of the Concentration)

POLS 3309	Governments of Developing Nations	3
POLS 4416	Political Theory	3
POLS 4402	African Politics	3
POLS 4403	Comparative Politics	3
HIST 3330	Military History	3
HIST 4411	Recent U.S. History	3
HIST 4420	Development of Modern Science and Medicine	3
ENGL 3013	History of the English Language	3

Concentration

Two of the following:

POLS 3309	Governments of Developing Nations	3
POLS 4402	African Politics	3
POLS 4405	International Politics	3
POLS 4407	International Political Economy	3

Two of the following:

HIST 3304	Modern England	3
HIST 3306	Modern France	3
HIST 3309	Survey of West Africa	3
HIST 4410	Twentieth Century Europe	3

One of the following:

ENGL 3283	Modern British Literature	3
ARTH 2000	Art History	3
ARTH 3000	20 th Century Art	3

One of the following:

GEOG 4405	Geography of Africa	3
GEOG 3302	Economic Geography	3

One or two of the following:

MKTG 4123	International Marketing	3
(Prerequisite: MKTG 3103- Principles of Marketing)		
MNGT 4383	International Management	3
ECON 4103	International Economics	3
(Prerequisites: ECON 2105-Principles of Macroeconomics & ECON 2106-Principles of Microeconomics)		
BUSA 4353	Introduction to International Business	3

Many departments, including English and Foreign Languages and History, Geography, & Political Science, offer seminar style courses with varying topics. A student may select such courses if his/her advisor agrees that the topic for a particular term is appropriate for the concentration.

Required major courses		7 semester hours
PHIL 4000	Ethics Seminar (B.L.S. Capstone)	3
PHIL 4002	Aesthetics	3
FVSU 1008	University Life and Thought	1

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Required Major Courses:		7 semester hours
PHIL 4000	Ethics Seminar (B.L.S. Capstone)	3
PHIL 4002	Aesthetics	3
FVSU 1008	University Life and Thought	1
Free Electives on the 300- 400 level.		
Recommended:		
MUSC 2312	World Music Cultures	2
Institutional Requirements:		
FVSU 0100	Orientation to the University	1
FVSU 1008	University Life and Thought	1
PEDW courses		4

B. A. Degree in Liberal Studies: Environmental Science Concentration
Program of Study for Area F and Major Requirements: 83 hours
Total Number of Semester Hours: 125

Area F:		18 semester hours
One of the following:		
MATH 1113	Pre-Calculus or	4
MATH 1154	Calculus I	4
BIOL 1104K	Introduction to Biology	4
BOTN 2000K	General Botany	4
One additional lab science		4
One or two of the following for at least 3 hours:		
PSYC 1101	Introduction To Psychology	3
GEOG 1230	Introduction to Physical Geography	3
AGED 2802	Cooperative Extension Work	2
ARTH 1112	Basic Design I	2
ENGL 2053	Introduction to Technical Report Writing	2
Additional Foundation Courses in the Liberal Arts:		21 semester hours
ENGL 2112	World Literature II	3
HIST 1111 or 1112	(whichever was not taken under Area E)	3
HIST 2111 or 2112	(whichever was not taken under Area E)	3
ECON 2105	Principles of Macro-economics	3
ECON 2106	Principles of Micro-economics	3
Six hours from the following, in addition to those taken under Area C:		
ARTH 1000	Art Appreciation	3
HUMN 2004	Introduction to Fine Arts	3
MUSC 1000	Introduction to Music	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
PHIL 2173	Religious Studies	3
FREN 1001	Elementary French I	3
FREN 1002	Elementary French II	3
FREN 2001	Intermediate French I	3
FREN 2002	Intermediate French II	3

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JAPN 1001	Elementary Japanese I	3
JAPN 1002	Elementary Japanese II	3
JAPN 2001	Intermediate Japanese I	3
JAPN 2002	Intermediate Japanese II	3
SPAN 1001	Elementary Spanish I	3
SPAN 1002	Elementary Spanish II	3
SPAN 2001	Intermediate Spanish I	3
SPAN 2002	Intermediate Spanish II	3

Concentration

One of the following:

BIOL 1105	Environmental Science	3
BIOL 2334K	Ecology	4

One of the following:

ZOOL 3103K	Invertebrate Zoology	3
ZOOL 3203K	Entomology	3

One of the following:

MCOMM 4123	Feature Writing	3
ENGL 3153	Advanced Technical and Professional Writing	3
MCOMM 4123	Institutional and Industrial Publishing	3
BIOL 4384K	Limnology	4
BIOL 4221, 4222	Biology Seminar (1+1)	2
ZOOL 3384	Ichthyology	4
ZOOL 4334K	Ornithology	4
ZOOL 3303	Wildlife Conservation	3
ENGL 3323	American Romanticism	3

Required Major Courses:

7 semester hours

PHIL 4000	Ethics Seminar (B.L.S. Capstone)	3
PHIL 4002	Aesthetics	3
FVSU 1008	University Life and Thought	1

Free Electives on the 300- 400 level.

3 semester hours

Institutional Requirements:

FVSU 0100	Orientation to the University	1
PEDW courses		4

Department of Fine Arts, Humanities and Mass Communications

Mr. Bobby Dickey, Department Head
105 Founders Hall
478/825-6387

The Department of Fine Arts, Humanities, and Mass Communications offers **major programs in Commercial Design, Music, and Mass Communications with each leading to the Bachelor of Arts (B.A.) degree in the respective discipline.** In addition, the Department offers also courses in communication, music, art and humanities which are included in the University System Core Curriculum options. Furthermore, the department offers elective courses in speech communication, mass communications, drama, music and art which are open to all University students. Moreover, minor programs of study are offered in

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Commercial Design, Music (with concentrations in Jazz, Instrumental Music, Piano Performance and Vocal Performance) and Speech Communication.

The Fine Arts and Humanities curriculum is designed to:

- educate and expose University students to the many facets of humanities and the intellectual and artistic development of world cultures by integrating art, music, literature and philosophy from a multi-cultural perspective;
- promote creative expression and intellectual inquiry in the arts and humanities;
- provide learning environments in which students explore;
- provide the depth and breadth of exposure to style, periods, techniques, methodologies, and equipment instruments that will allow students to apply their fine arts training in future avocational and vocational endeavors;
- provide academic and cultural experiences which will enhance and further develop the individual musical talent of students who participate in the choral and instrumental ensembles;
- foster and enhance the development of creative potential in students who demonstrate both talent and promise in the creative and performing arts;
- provide supervised learning environments in which students demonstrate public speaking and related skills that integrate critical thinking, research, organization, writing and delivery;
- develop a high level of skills and competencies in each Commercial Design major in the conceptual, creative, and technical facets of commercial and graphic arts; and
- prepare Commercial Design majors to excel in careers in the commercial art profession.

B. A. Degree in Fine Arts: Commercial Design Major

With an emphasis on computer technology, the Commercial Design curriculum is designed to prepare students to be creative and competitive graphic art professionals. It provides an opportunity for Commercial Design students to explore several directions within the broad commercial art field and to concentrate more fully on those areas that interest them.

The curriculum offers study in the area of computer graphics, illustration, printmaking, advertising, package design, and related concentrations. Further, the Commercial Design program includes projects involved with service-related activities at the University and internships in industry and business.

With a strong core of liberal arts courses, the curriculum is carefully designed to allow ample opportunity for intellectual inquiry while retaining a central focus committed to career preparation in such areas as television, printed media, illustration, computer graphics, package design, printmaking, and art direction.

Admission to the Commercial Design Major

Students admitted to the major program in Commercial Design must show evidence of creative ability in art. Before enrolling in the program, each student is required to present to the Department of Fine Arts and Humanities faculty advisor a portfolio of at least eight original pieces which collectively reflect color and design principles, design and craftsmanship, range of expression, and exploratory use of materials.

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Artwork in the portfolio must be submitted two months prior to the anticipated enrollment in the program and should be matted, framed or in a slide folder. Students will be notified in writing of their status no later than four weeks after the portfolio has been received in the Department of Fine Arts and Humanities. Students not accepted in the program will be allowed to take a provisional introductory level art course to produce the required portfolio. All portfolio approved by the Commercial Design faculty will become part of the students' permanent records in the Department of Fine Arts, Humanities and Mass Communications.

Commercial Design Minor

Students admitted to the minor program in Commercial Design must show evidence of creative ability in art. Before enrolling in the program, each student is required to present to the Department of Fine Arts and Humanities faculty advisor a portfolio of at least four original pieces which collectively reflect artistic color and design principles, design and craftsmanship, range of expression, and exploratory use of materials. Artwork in the portfolio must be submitted one semester prior to the anticipated enrollment period and should be matted, framed or in a slide folder. Students will be notified in writing of their status no later than six weeks after the portfolio has been received in the Department of Fine Arts and Humanities. Students not accepted in the program will be allowed to take a provisional introductory level art course to produce the required portfolio. All portfolios approved by the Commercial Design faculty will become part of the student's permanent records in the Department of Fine Arts, Humanities and Mass Communications.

Internships

During the final year of residency, each Commercial Design major is required to participate in a semester-long internship before graduating from the program. This experience provides majors with on-the-job training at design studios, public relations firms, television stations, newspaper and magazine publishers, publishing companies, the film industry, print shops, department stores and governmental agencies. Student interns must receive a satisfactory performance evaluation from the external internship supervisor in order to complete this requirement.

Senior Exit Examination, Exhibition, and Exit Interview

During the final semester of the senior year, each Commercial Design major must enroll in ARTH 4123 Senior Project II. In this course, the departmental exit examination is given. This examination covers technical, creative, and practical materials and information from Commercial Design course studied throughout the student's residency. A minimum score of 75 percent is required. In addition, each Commercial Design major is required to present a public senior exhibition of at least 30 pieces which illustrate mastery of the art form. This exhibition of original works must be developed under the guidance of the Art faculty and approved by the faculty before the showing. During the last portion of the final semester, each graduating commercial design major is required to participate in an interview with the Department of Fine Arts, Humanities and Mass Communications faculty. This exit interview is designed to gather data relating to the strengths and weaknesses of the commercial design program of study from the graduates of the department.

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Commercial Design Major
Program of Study for the B.A. Degree
Total Number of Degree Hours: 125

	Fall Semester	Spring Semester
Freshman	ENGL 1101 MATH 1111 HIST 1111 POLS 1101 ARTH 1000 ARTH 1112 FVSU 0100 18 credits	ENGL 1102 ARTH 1123 HIST 2111 GEOG 1231 BIOL 1104K ARTH 2363 PEDW 1402 19 credits
Sophomore Year	PHSC 1011 ENGL 2111 ARTH 2113 ARTH 2302 COMM 1110 BUSA 1980 PEDW 16 credits	ARTH 2103 ARTH 2000 ARTH 2312 ARTH 2123 PEDW CSCI 1153 ARTH 2322 19 credits
Junior Year	ARTH 2343 ARTH 3113 ARTH 3103 ARTH 3363 PEDW 12 credits	ARTH 2123 ARTH 3302 ARTH 3373 ARTH 3353 MCMM 2123 14 credits
Senior Year	ARTH 3393 ARTH 4113 ELECTIVE ELECTIVE 12 credits	ARTH 4123 ARTH 4163 15 credits

Commercial Design Minor

Art Courses for Commercial Design Minor	Credit Hours
ARTH 3103	3
ARTH 3113	3
ARTH 3353	3
ARTH 3363	3
ARTH 3373	3
ARTH 4113	3
Total	18 credits

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B. A. Degree in Fine Arts: Commercial Design

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		9 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3
Area B: Institutional Options		5 semester hours
COMM 1110	Public Speaking	3
BUSA 1980 or 1990	Professional Development I or Leadership I	1
EDUC 1001	Library Skills	1
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111	World Literature I	3
One of the following:		
ARTH 1000	Art Appreciation	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
Area D: Science, Math and Technology		10 semester hours
(One science course with a lab is required.)		
BIOL 1104K	Biological Science	4
PHSC 1101	Physical Science I	3
CSCI 1153	Introduction to Computers	3
Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
GEOG 1231	Intro to World Regional Geography	3
POLS 1101	American Government	3
Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.		

B. Major Requirements

Area F: Courses Related to the Program of Study		18 semester hours
ARTH 1112	Basic Design I	2
ARTH 1123	Basic Design II	3
ARTH 2000	Art History	3
ARTH 2103	Drawing	3
ARTH 2312	Typographic Design	2
ARTH 2322	Visual Communication I	2
ARTH 2363	Intro to Computer Graphics	3
Commercial Design Major		60 semester hours
ARTH 2113	Illustration I	3
ARTH 2123	Illustration II	3

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ARTH 2302	Printmaking I	2
ARTH 2333	Design Procedures	3
ARTH 2343	Package Design	3
ARTH 3103	Drawing II	3
ARTH 3113	Art Direction I	3
ARTH 3302	Printmaking II	2
ARTH 3322	Visual Communication II	2
ARTH 3353	Advertising Procedures	3
ARTH 3363	Computer Graphics I	3
ARTH 3373	Computer Graphics II	3
ARTH 3393	Computer Graphics III	3
ARTH 4113	Senior Project I	3
ARTH 4123	Senior Project II	3
ARTH 4163	Internship	3-12
MCOMM 2123	Basic Photography	3
ARTH 2383	Painting I (Elective)	3
ARTH 3383	Painting II (Elective)	3
ARTH 4999	Independent Study (Elective)	3
	Elective	3
	Elective	3
	Elective	3

C. Institutional Requirements

5 semester hours

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

Commercial Design Minor

Commercial Design Major

Course Number	Course Title	60 semester hours
ARTH 3103	Drawing II	3
ARTH 3113	Art Direction I	3
ARTH 3353	Advertising Procedures	3
ARTH 3363	Computer Graphics I	3
ARTH 3373	Computer Graphics II	3
ARTH 4113	Senior Project I	3

B. A. Degree in Music

The Bachelor of Arts in Music Degree at Fort Valley State University provides the study of music in a liberal arts degree framework. Within this framework, emphases in various areas of music are dependent on the needs of students and the objectives and resources of this educational institution. This program, being consistent with national standards, exercises a broad coverage of music rather than heavy concentration on any single segment. Studies develop musicianship, capabilities in the use of principles and procedures that lead to an intellectual grasp of the art and the ability to perform.

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The music program is designed to educate and prepare students to be artist-musicians skilled in the areas of composition, performance, analysis, coaching, and research. The program includes traditional courses in musicianship, performance, and music history and literature. In addition, unique features of the program include computer applications in music, recording techniques, jazz theory and improvisation, and curriculum embedded emphases in African-American music and music from a multi-cultural perspective. The music electives include applied music instruction in piano (beginning to advanced levels in both group and individual instruction), voice, woodwinds, brasses, strings and percussions. The department's performing organizations include: The Blue Machine Marching Band, Concert Band, Jazz Ensemble, Concert Choir and Gospel Choir. Students have the option of enrolling in an ensemble for credit. However, an audition with the respective director is required in order to participate.

Embedded assessments in the program involve an entrance audition and examination, the Sophomore Diagnostic Examination, Junior Comprehensive Examination, and Senior Integrated Assessments which include the Senior Recital, Senior Exit Examination, and Exit Interview.

The music program is also designed to prepare students to pursue other music related endeavors.

Freshmen Audition and Examination

Before enrolling in the music degree program each prospective major is required to successfully complete an audition on a principal instrument or in voice. This audition will be adjudicated by the full music faculty. The second component is an examination on music fundamentals. It includes written materials, sight singing and basic keyboard harmony. The results of the audition and examination will be used to identify students' strengths and weaknesses in order to advise and implement an appropriate course of study. Students who receive an unsatisfactory score in the battery will be encouraged to pursue a major in another discipline.

Sophomore Diagnostic Examination

At the end of the fourth semester of the program each music major is required to complete a departmental diagnostic examination in two parts. The first part includes a written examination which covers materials and information from all music courses studied up to this time. The second part is a thirty minute performance of repertoire studied on a principal instrument or voice, and the piano proficiency examination. The sophomore diagnostic battery will be used to identify and address deficiencies and weaknesses in the areas assessed.

Junior Comprehensive Examination

At the end of the sixth semester of the program, the music major is required to successfully complete a departmental comprehensive examination. This examination will be administered in three parts. The first part will be a written examination which will cover information and materials from all courses studied up to this point. The second part will consist of a thirty minute performance of repertoire studied on the student's principal and secondary instrument or voice. The third part will consist of coaching demonstrations in authentic settings. The student must pass this examination with a score no lower than 80% on any part.

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Internship

During the fourth year of study students will be involved with internship activities (MUSC 4796 - Internship) that will provide them with experiences and expectations required in today's work environments. Students will intern with professional organizations in the arts such as the Tubman Museum, the Douglass Theater, The Museum of Natural History, and the Macon Symphony Orchestra to acquaint them with professional expectations, ethics and attributes. Feedback from the organizations and students will be assessed to determine program strengths and weaknesses to improve instruction and the preparation of our graduates. Students must intern for 120 hours and receive no less than 80% satisfactory evaluation from the site requirement must repeat the internship process until a successful evaluation is achieved.

Senior Integrated Assessment

During the first semester of the final year of residency the music major is required to successfully complete the Senior Integrated Assessment battery before the degree is awarded. This includes performance proficiency examinations on the principal string, wind and percussion instruments for instrumental music concentrations, the senior recital, the departmental exit examination, and the exit interview. These assessment activities will be placed in the capstone course, MUSC 4797 Music Seminar. The departmental comprehensive examination covers literature and materials of music, assessment, and performance proficiencies. A minimum overall score of 80% is required.

After successfully passing an audition before the music faculty, the music major is required to present a public senior recital on a principal instrument or voice. This recital must be at least forty five minutes in length.

During the last portion of the final semester, the graduating music major is required to participate in an exit interview with the full Department of Fine Arts and Humanities faculty. This exit interview is designed to gather data relating to the strengths and weaknesses of the music program of study from the graduating major's perspective.

Music Minor

Students desiring to minor in music must fulfill the following requirements/prerequisites before being accepted into the program of study: (1) complete MUSC 1000, MUSC 1011, 1012 and one semester of vocal or instrumental ensemble with a minimum grade of "C" in each course; (2) successfully complete the departmental music entrance examination with a minimum passing score of 75 percent, and (3) successfully pass an audition in voice or on an instrument before the music faculty. Contact the Department of Fine Art, Humanities and Mass Communications for specific written guidelines and repertoire standards.

Courses for Minors in Music

Credit Hours

I. Jazz Concentration

MUSC 3001 Music History and Literature I	2
MUSC 3331 Instrumental Ensemble (Jazz-Marching Band)	2
MUSC 3141 Applied Music	2
MUSC 3372 Orchestration and Arranging	2
MUSC 3002 Music History and Literature II	2
MUSC 3294 Jazz History	2
MUSC Electives	5

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Total **17 credits**

II. Instrumental Concentration

MUSC 3001 Music History and Literature I	2
MUSC 3331 Instrumental Ensemble (Jazz-Marching Band)	2
MUSC 3141 Applied Music	2
MUSC 3372 Orchestration and Arranging	2
MUSC 3002 Music History and Literature II	2
MUSC 3316 Inst. Methods and Marching Band Techniques	2
MUSC Electives	5
Total	17 credits

III. Vocal Concentration

MUSC 3001 Music History and Literature I	2
MUSC 3331 Vocal Ensemble	2
MUSC 3141 Applied Music	2
MUSC 3317 Choral Methods	2
MUSC 3002 Music History and Literature II	2
MUSC 3293 Vocal Pedagogy and Literature Electives	5
Total	17 credits

IV. Piano Concentration

MUSC 3001 Music History and Literature I	2
MUSC 3331 Vocal Ensemble	2
MUSC 3141 Applied Music	2
MUSC 3372 Orchestration and Arranging	2
MUSC 3002 Music History and Literature II	2
MUSC 3362/3363 Class Piano III and IV	2
MUSC Electives	7
Total	17 credits

Music minors should choose electives from the following courses:

MUSC 3400 Woodwind Techniques	1
MUSC 3401 Brasswind Techniques	1
MUSC 3402 Percussion Techniques	1
MUSC 3452 Computer Applications in Music	2
MUSC 4003 Music History and Literature III	2
MUSC 4141 Applied Music	2
MUSC 4331 Vocal or Instrumental Ensemble	2
MUSC 4262 Form and Analysis	2
MUSC 4312 Survey of Choral Music	2
MUSC 4314 Survey of Instrumental Music	2

Music Ensembles: The music ensembles present all students with the opportunity for hands-on experiences with music in a shared effort with others. They are the principal performance ensembles and are open to all Fort Valley State University students with an audition and permission of the instructor. These courses may be repeated for credit. The ensembles available are listed in different sections as follows:

Concert Choir	01	Concert Band	05
Women's Ensemble	02	Marching Band	06
Men's Glee Club	03	Jazz Band	07

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Gospel Choir	04	Orchestra	08
MUSC 1331 Music Ensemble Course		1 credit (0-2)	
MUSC 2331 Music Ensemble Course		1 credit (0-2)	
MUSC 3331 Music Ensemble Course		1 credit (0-2)	
MUSC 4331 Music Ensemble Course		1 credit (0-2)	

Applied Music Regardless of the student's major applied music lessons are available to any student, depending upon faculty availability. These courses are designed to augment performance skills on an instrument or voice. Applied students will receive one fifty-minute individual lesson each week or participate in a group performance class which meets two fifty-minute periods each week. These courses may be repeated for credit. Instruments and voice are offered in different sections as follows:

Piano	01	Percussion	05
Voice	02	Strings	06
Woodwinds	03	Organ	07
Brass	04	Guitar	08
MUSC 1141	1 credit (1-0)		
MUSC 2141	1 credit (1-0)		
MUSC 3141	1 credit (1-0)		
MUSC 4141	1 credit (1-0)		

Music minors should choose electives from the following courses:

MUSC 3292 Music History	2 credits
MUSC 1352 Introduction to Jazz	2 credits
MUSC 4312 Jazz History	2 credits
MUSC 2312 World Music Cultures	2 credits
MUSC 4141 Applied Music	2 credits

B. A. Degree in Music

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		9 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3
Area B: Institutional Options		4 semester hours
COMM 1110	Public Speaking	3
BUSA 1980	Professional Development I	1
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111	World Literature I	3
MUSC 1000	Music Appreciation	3
Area D: Science, Math and Technology		10 semester hours
(A science course with a lab is required.)		
CSCI 1153	Introduction to Computers	3
BIOL 1107K	Biological Science	4

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BIOL 1105	Environmental Science	3
Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
SOCI 1101	Introduction to Sociology	3
Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.		

B. Major Requirements

Area F: Courses Related to the Program of Study		18 semester hours
MUSC 1011	Music Theory I	2
MUSC 1013	Music Theory II	2
MUSC 1012	Aural and Keyboard Skills I	1
MUSC 1014	Aural and Keyboard Skills II	1
MUSC 1331	Ensemble (Band/Choir)	2
MUSC 1141	Major Applied	2
MUSC 2331	Ensemble (Band/Choir)	2
MUSC 2141	Major Applied	2
MUSC 1362	Class Piano I	2
MUSC 1363	Class Piano II	2

Major Courses		30 semester hours
MUSC 2011	Music Theory III	2
MUSC 2012	Aural and Keyboard Skills III	1
MUSC 2013	Music Theory IV	2
MUSC 2014	Aural and Keyboard Skills IV	1
MUSC 3001	Music History and Lit. I	2
MUSC 3002	Music History and Lit. II	2
MUSC 4003	Music History and Lit. III	2
MUSC 3372	Orchestration and Arranging	2
MUSC 3294	Jazz History	2
MUSC 4797	Music Seminar	2
MUSC 4282	Form and Analysis	2
MUSC 4796	Internship	10

II. Instrumental Concentration Courses		31 semester hours
MUSC 2314	Conducting Fundamentals	1
MUSC 2316	World Music Cultures	2
MUSC 3141	Major Applied	2
MUSC 3331	Ensemble (Band)	2
MUSC 3452	Computer Applications in Music	2
MUSC 4331	Ensemble (Band)	2
MUSC 1151	Secondary Applied	2
MUSC 2151	Secondary Applied	2
MUSC 3315	Instrumental Conducting	1
MUSC 4313	Survey of Choral Music	2
	Electives- General Education	13

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III. Choral Concentration Courses		31 semester hours
MUSC 2314	Conducting Fundamentals	1
MUSC 2316	World Music Cultures	2
MUSC 3141	Major Applied	2
MUSC 3331	Ensemble (Band)	2
MUSC 3452	Computer Applications in Music	2
MUSC 4331	Ensemble (Choir)	2
MUSC 1151	Secondary Applied	2
MUSC 2151	Secondary Applied	2
MUSC 3314	Choral Conducting	1
MUSC 4313	Survey of Choral Music	2
	Electives- General Education	13

C. Institutional Requirements	5 semester hours
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PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

Mass Communications

Bobby Dickey, Department Head/Acting Coordinator
Bishop Hall
478/825-6212

The field of mass communications is constantly changing. The changes are the results of technological innovations which are challenging both the traditional methods of delivering information to the public and the methods used by journalism and mass communication educators to prepare future media professionals. Therefore, the challenge for educators is to use new technologies creatively to teach those critical skills that enhance employment opportunities for students.

To this end, the Department of Mass Communications is committed to *inter alia*:

- (1) Attracting and training a diverse student population for successful careers in print media, public relations, and broadcasting,
- (2) Providing practical hands-on experience for students to become efficient in the essential communication skills of writing, announcing, and interviewing and honing their skills in production and visual communications, while understanding the parameters, such as Mass Media Ethics and Law, which will regulate the deployment of these skills in the marketplace, and
- (3) Providing a broad theoretical framework for analyzing and understanding societal issues.

Graduates of the program should be able to gain employment and internships in various media industries such as, radio, newspapers, magazines, television, cable, public relations and new media firms. Producers, news directors, copy editors and managing editors will find the mass communication graduate to be suitably qualified for employment with little or no supervision.

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B. A. Degree in Mass Communications

The Bachelor of Arts in Mass Communications, which has a core of mass communication courses designated MCMM, is granted upon completion of a minimum of 125 semester credit hours. They include a minimum of nine (9) semester hours of a foreign language and a computer language. Majors may enroll in a six-hour sequence of a foreign language and take CSCI 1301 Introduction to Data Processing and Computer Science.

Admission to the Mass Communications Major

Students admitted to the major program in Mass Communications must meet the following criteria:

- Maintain a cumulative GPA of 2.00 or better, with no grade below “C” in any course, including core courses.
- Complete at least 50 semester hours of core courses.
- Pass both sections of the Regents' Exam.
- Pass Sophomore/Junior Diagnostic Basic Skills Test.*
- * Exempt with 1000 on SAT verbal and math; 43 on ACT English and Math.
- Complete Pre-Professional Block (PPB) courses.
- Submit resume (video or traditional).
- Have an acceptable rating on 3 dispositions instruments.
- Have an acceptable background check.
- Submit an acceptable writing sample.
- Attain an acceptable rating during the interview process.
- Submit two (2) letters of recommendation (with acceptable ratings).

The required foreign language proficiency may be determined by an examination administered by the department, by a CLEP test, or by certification of equivalent experiences. Such equivalent experiences include credit for study tours in a country where the spoken language is required, selected work experience involving the use of the foreign language and intensive language summer institutes.

Additional course requirements for the major include: (1) three (3) semester hours in a 2000 level literature course (ENGL 2111 and ENGL 2112), (2) six (6) semester hours in Introduction to World History (HIST 1111 and 1112), and (3) three (3) semester hours in the Survey of Mass Communication (MCMM 2103).

Typing proficiency (department test) and language proficiency (department test or MCMM 2103) is required for entry into MCMM 2143 and 2163. Speech proficiency (departmental test or at least a grade of "C" in MCMM 1123), completion of MCMM 1101, 2103, 2143, 2163, and MCMM 2181K and a cumulative GPA of at least 2.50 are required for Mass Communications candidacy and entry into 3000 level or above Mass Communications courses (except MCMM 2123, 4303 or 4323). The major area examination is open to junior and senior majors and facilitated by enrolling in MCMM 4361 Capstone course.

Active membership in the Mass Communication Club is recommended during the student's period of enrollment as a Mass Communications major. Students selecting the Print option are also advised and encouraged to actively participate as members of the **Peachite** staff or as members of an approved equivalent project or production within the program. Active participation in approved media production activities is recommended for majors in the Public Relations and Broadcasting options.

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In addition to other specified requirements for graduation, students must participate in all assessment activities for the major program which include, but may not be limited to: (1) course embedded assessments, (2) external or standardized tests, (3) the Sophomore/Junior Diagnostic Project and (4) the Senior Integrated Assessment.

Sophomore/junior Diagnostic Test: This test is administered and scored by the teaching faculty in MCMM 2103, Survey of Mass Communications. The results of this test are used to identify opportunities for strengthening the student's preparations for the major program.

Senior Integrated Assessment: Mass communications majors are required to complete a **supervised internship** or a **campus practicum** prior to graduation. The internship requires the student to complete 100 hours of hands-on-work in public relations, print or broadcast usually during the summer. The **departmental examination** requires a 75% passing score. Performance on the examination generally gives an indication of a student's knowledge of the content in journalism, public relations and broadcasting. Only seniors enrolled in MCMM 4361 Capstone Course in Mass Communications are eligible to take this examination.

Mass Communications Major: Journalism Option

Program of Study for the B.A. Degree

Total Number of Degree Hours: 125

	Fall Semester	Spring Semester
Freshman Year	ENGL 1101 MATH 1111 ARTH 1000 or MUSC 1000 HIST 1111 or 1112 MCMM 1101 PEDW 1402 FVSU 0100 PEDW* 16 credits	ENGL 1102 BIOL1104K or CHEM 1001K PHSC 1101 or GEOL 1121 or GEOG 1230 POLS1101 or PHIL 2000 MCMM 1123 or 1143 or 1163 FREN/SPAN/or JAPN 1001 16 credits
Sophomore Year	ENGL 2111 or ENGL 2112 FREN/ SPAN/ or JAPN 1002 PSYC 1101 or SOCI 1101 MCMM 2123 BIOL 1105or PHSC1101 or 1102 PEDW* MCMM 2144K 17 credits	MCMM 2103 MCMM 2143 MCMM 2113 HIST 2111 or 2112 PEDW* MCMM 2124K MATH 1201 or EDUC 1001 15 credits
Junior Year	MCMM 2163 MCMM 3283 MNGT 3103 COMM 1110 MCMM 4254K	ENGL 2000 or higher MCMM 3123 CSCI 1153 MCMM 3125 MCMM 3124K

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POLS 3301 or MATH 2113 or BHSC 2300 16 credits	SOCI 2008 MCMM 4341 16 credits
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Senior Year	MCMM 4143 or MCMM 4223 MCMM 4361 MCMM 3125 or 4123 or Elective MCMM 4163 or 4173 MCMM 4253 or 4273 ECON 2105 or 2106 17 credits	MCMM 4303 or 4313 or 4323 MCMM 4153 MCMM 4103 MCMM 4341 or 4243 MCMM 4351 Elective MCMM 4283 15 credits
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* Any 1400 level physical education or military science activity course

Mass Communications Major: Journalism Option

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills **9 semester hours**

Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3

Area B: Institutional Options **5 semester hours**

COMM 1110	Public Speaking	3
SOCI 2008	Cultural Diversity	2

Area C: Humanities/Fine Arts **6 semester hours**

ENGL 2111 or 2112	World Literature I or II	3
One of the following:		
ARTH 1000	Art Appreciation	3
HUMN 2004	Introduction to Fine Arts	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3

Area D: Science, Math and Technology **10 semester hours**

(One science course with a lab is required.)

CSCI 1153	Introduction to Computers	3
One of the following:		
BIOL 1104K	Biological Science	4
BIOL 1105	Environmental Science	3
One of the following:		
PHSC 1101	Physical Science I	3
PHSC 1102	Physical Science II	3
GEOL 1121	Physical Geology	3
GEOL 1122	Earth History	3

Area E: Social Sciences **12 semester hours**

HIST 1111 or 1112	A Survey of Civilization	3
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HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3

One of the following:

PSYC 1101	General Psychology	3
SOCI 1101	Introduction to Sociology	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours

B. Major Requirements

Area F: Courses Related to the Program of Study 18 semester hours

FREN/SPAN/or JAPN 1001	Foreign Language Sequence*	3
MCMM 2103	Mass Media and Society	3
MCMM 2123	Basic Photography	3
MCMM 2113	Introduction to Research	3

One of the following:

ECON 2105	Principles of Macroeconomics	3
ECON 2106	Principles of Microeconomics	3

One of the following:

MCMM 1163	Basic Media Writing	3
MCMM 1143	Effective Oral Communication	3
MCMM 1123	Voice and Diction	3

*Foreign language depends on CPC requirement

Area G: Major Requirements 40 semester hours

FREN/SPAN/or JAPN 1002	Foreign Language Sequence*	3
MCMM 2143	Writing and Reporting for the Media	3
MCMM 2163	Publication Editing and Design	3
MNGT 3103	Principles of Management	3
MCMM 3123	Mass Media Ethics and Law	3
MCMM 3283	Persuasion in the Media Age	3
MCMM 4243	Multi-Media Presentations	3
MCMM 4283	Mass Communication Research	3
MCMM 4361	Capstone Course in Mass Communication	2

One of the following:

MCMM 4143	Advertising Copy Writing and Design	3
MCMM 4223	Radio - TV Advertising	3

One of the following:

MATH 2113	Elementary Statistics	3
POLS 3301	Political Science Research Method	3
BHSC 2300	Behavioral Statistics	3

One of the following:

MATH 1201	Problem Solving Strategies	1
EDUC 1001	Library Skills	1

One of the following:

MCMM 4303 or 4313	Campus Practicum	3
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MCMM 4323	Internship	3
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Five of the following:

MCMM 2124K	Basic Photography Lab	1
MNGT 2144K	News Writing and Reporting for the Media Lab	1
MCMM 2224K	Introduction to Broadcast Laboratory	1
MCMM 3124K	Mass Media Law and Ethics Laboratory	1
MCMM 4254K	Mass Media Public Relations Theory/Practice Lab	1
MCMM 4341K	Mass Media (Photojournalism) Laboratory	1
MCMM 4351K	Mass Media (Special Projects) Laboratory	1

Option Requirements (select 9 semester hours) 9 semester hours

MCMM 4103	News Editing and Makeup	3
MCMM 4153	Principles of Interviewing	3

One of the following:

MCMM 3125	Electronic Media	3
MCMM 4123	Feature Writing	3
MCMM 4173	Desktop Editing and Publishing	3
MCMM 4264	Advanced Public Relations Writing	3
MCMM 4163	Photojournalism	3
MCMM 4273	Corporate Communications	3
MCMM 4362	Special Topics in the Media	3
Free Electives		3
At least 1 Literature Course 2000 or above		3

C. Institutional Requirements 6 semester hours

FVSU 0100	Orientation to the University	1
MCMM 1101	Orientation to Mass Communication	1
PEDW or MILS course		1
PEDW or MILS course		1
PEDW or MILS course		1

One of the following:

PEDW 1402	Fitness and Lifestyle Assessment	1
MILS 1120	Foundations of Physical Education or Basic Military Science	1

Mass Communications Major: Public Relations Option
Program of Study for the B.A. Degree
Total Number of Degree Hours: 125

	Fall Semester	Spring Semester
Freshman Year	ENGL 1101	ENGL 1102
	MATH 1111 or 1113 or 2243 BIOL 1104K	BIOL 1105 or PHSC 1012 or CHEM 1101K or PHSC 1011 or GEOL 1121 or GEOG 1230 or 1231
	ARTH 1000 or MUSC 1000	POLS 1101 FREN 1001 or SPAN 1001 or

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	FVSU 0100 PEDW* 16 credits	JAPN 1001 PEDW 1402 MCMM 1101 14 credits
Sophomore Year	ENGL 2111 or 2112 FREN 1002 or SPAN 1002 or JAPN 1002 PSYC 1101 or SOCI 1101 HIST 2111 or HIST 2112 MCMM 1123 or 1143 or 1163 MCMM 2143K PEDW* 17 credits	MCMM 2103 MCMM 2143 MCMM 2123 MCMM 2113 PEDW* MATH 1201 or EDUC 1001 MCMM 2144K 15 credits
Junior Year	MCMM 2163 MCMM 3283 MNGT 3103 COMM 1110 MCMM 4254K POLS 3301 or MATH 2113 16 credits	MCMM 4283 MCMM 3123 CSCI 1153 MCMM 4243 or 4265 MCMM 2124K SOCI 2008 15 credits
Senior Year	MCMM 4143 or 4223 MCMM 4253 MCMM 4123 or 4264 or 4163 or 4173 Elective ECON 2105 or 2106 15 credits	MCMM 4303 or 4313 or 4323 MCMM 4263 MCMM 3125 or Elective MCMM 4361 MCMMK 4341 or 4351 ENGL 2000 or higher 15 credits

* Any 1400 level physical education or military science activity course.

B. A. Degree in Public Relations

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		9 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3
Area B: Institutional Options		5 semester hours
COMM 1110	Public Speaking	3
SOCI 2008	Cultural Diversity	2
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111 or 2112	World Literature I or II	3
One of the following:		
ARTH 1000	Art Appreciation	3

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HUMN 2004	Introduction to Fine Arts	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3

Area D: Science, Math and Technology **10 semester hours**
(A science course with a lab is required.)

CSCI 1153	Introduction to Computers	3
One of the following:		
BIOL 1104K	Biological Science	4
BIOL 1105	Environmental Science	3
One of the following:		
PHSC 1101	Physical Science I	3
PHSC 1102	Physical Science II	3
GEOL 1121 or GEOG 1230	Physical Geology/Intro to Physical Geography	3
GEOL 1122 or GEOG 1231	Earth History/Intro to World Reg. Geography	3

Area E: Social Sciences **12 semester hours**

HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
One of the following:		
PSYC 1101	General Psychology	3
SOCI 1101	Introduction to Sociology	3

B. Major Requirements

Area F: Courses Related to the Program of Study **18 semester hours**

MCMM 1163	Basic Media Writing	3
MCMM 1143	Effective Oral Communication	3
MCMM 1123	Voice and Diction	3
FREN/SPAN/or JAPN 1001	Foreign Language Sequence*	3
MCMM 2103	Mass Media and Society	3
MCMM 2123	Basic Photography	3
MCMM 2113	Introduction to Mass Media Research	3

*Foreign language depends on CPC requirement

Area G: Major Requirements **40 semester hours**

FREN/SPAN/or JAPN 1001	Foreign Language Sequence	3
MCMM 2143	Writing and Reporting for the Media	3
MCMM 2163	Publication Editing and Design	3
MNGT 3103	Principles of Management	3
MCMM 3123	Mass Media Ethics and Law	3
MCMM 3283	Persuasion in the Media Age	3
MCMM 4243	Multi-Media Presentations	3
MCMM 4283	Mass Communication Research	3
MCMM 4361	Capstone Course in Mass Communications	2

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One of the following:

MCOMM 4143	Advertising Copy Writing and Design	3
MCOMM 4223	Radio - TV Advertising	3

One of the following:

MATH 2113	Elementary Statistics	3
POLS 3301	Political Science Research Method	3
BHSC 2300	Behavioral Statistics	3

One of the following:

MATH 1201	Problem Solving Strategies	1
EDUC 1001	Library Skills	1

One of the following:

MCOMM 4303 or 4313	Campus Practicum	3
MCOMM 4323	Internship	3

Five of the following:

MCOMM 2143	Basic Media Writing Lab	1
MCOMM 2124K	Basic Photography Laboratory	1
MNGT 2144K	Mass Media Print Laboratory	1
MCOMM 2224K	Introduction to Broadcast Lab	1
MCOMM 3124K	Mass Media Law and Ethics Laboratory	1
MCOMM 4253K	Public Relations Theory/Practice Laboratory	1
MCOMM 4341K	Mass Media Photojournalism Laboratory	1
MCOMM 4351K	Mass Media Special Projects Laboratory	1

Option Requirements 9 semester hours

MCOMM 4253	Public Relations Practices	3
MCOMM 4263	Public Relations/Advertising Campaigns	3

One of the following:

MCOMM 4123	Feature Writing	3
MCOMM 4173	Desktop Editing and Publishing	3
MCOMM 4264	Advanced Public Relations Writing	3
MCOMM 4163	Photojournalism	3
MCOMM 4362	Special Topic in the Media	3

Free Electives

6 semester hours

Elective		3
Elective		3
At least 1 Literature Course 2000 or above		3

C. Institutional Requirements

6 semester hours

FVSU 0100	Orientation to the University	1
MCOMM 1101	Orientation to Mass Communication	1
PEDW or MILS course		1
PEDW or MILS course		1
PEDW or MILS course		1
One of the following:		
PEDW 1402	Fitness and Lifestyle Assessment	1
MILS 1120	Foundations of Physical Education	

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or Basic Military Science

1

Mass Communications Major: Broadcasting Option
Program of Study for the B.A. Degree
Total Number of Hours: 125

	Fall Semester	Spring Semester
Freshman Year	ENGL1101 MATH 1111 or 1113 or 2243 PEDW 1402 ARTH 1000 or MUSC 1000 or PHIL 2000 HIST 1111 or 1112 MCMM 1101 FVSU 0100 16 credits	ENGL 1102 BIOL 1104K or CHEM 1001 or GEOL 1121 or GEOG 1230 POLS 1101 MCMM 1143 or 1163 or 1123 FREN 1001 or SPAN 1001 or JAPN 1001 16 credits
Sophomore Year	ENGL 2111 or 2112 FREN 1002 or SPAN 1002 PSYC 1101 or SOCI 1101 COMM 1110 BIOL 1105 or PHSC 1101 or 1102 PEDW* MCMM 2143K 17 credits	MCMM 2103 MCMM 2143 MCMM 2113 HIST 2111 or 2112 MCMM 2223 MCMM 2224K MATH 1201 or EDUC 1001 17 credits
Junior Year	MCMM 2163 MCMM 3125 MNGT 3103 MCMM 2123 MCMM 2124K POLS 3301 or BHSC 2300 or MATH 2113 16 credits	MCMM 4283 MCMM 3123 CSCI 1153 MCMM 3283 MCMM 4341K SOCI 2008 MCMM 3124K 16 credits
Senior Year	MCMM 4223 or 4143 MCMM 4183 MCMM 4153 or 4203 or 4243 Elective ECON 2105 or 2106 MCMM 4351K 15 credits	MCMM 4303 or 4313 or 4323 MCMM 4193 Elective MCMM 4361 ENGL LIT 2000 or higher PEDW* 15 credits

* Any 1400 level physical education or military science activity course

B. A. Degree in Mass Communications: Broadcasting Option
Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		9 semester hours
Course Number	Course Title	

Fort Valley State University

ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3
Area B: Institutional Options		5 semester hours
COMM 1110	Public Speaking	3
SOCI 2008	Cultural Diversity	2
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111 or 2112	World Literature I or II	3
One of the following:		
ARTH 1000	Art Appreciation	3
HUMN 2004	Introduction to Fine Arts	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
Area D: Science, Math and Technology		10 semester hours
(A science course with a lab is required.)		
BIOL 1104	Biological Science	4
CSCI 1153	Introduction to Computers	3
One of the following:		
BIOL 1105	Environmental Science	3
PHSC 1101	Physical Science I	3
PHSC 1102	Physical Science II	3
GEOL 1121 or GEOG 1231	Physical Geology	3
GEOL 1122	Earth History	3
Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
One of the following:		
PSYC 1101	General Psychology	3
SOCI 1101	Introduction to Sociology	3

B. Major Requirements

Area F: Courses Related to the Program of Study		18 semester hours
MCOMM 2103	Mass Media and Society	3
MCOMM 2123	Basic Photography	3
MCOMM 2113	Introduction to Mass Media Research	3
FREN 1001 or SPAN 1001 or	Foreign Language Sequence*	3
JAPN 1001		
One of the following:		
ECON 2105	Principles of Macroeconomics	3
ECON 2106	Principles of Microeconomics	3

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One of the following:

MCMM 1163	Basic Media Writing	3
MCMM 1143	Effective Oral Communication	3
MCMM 1123	Voice and Diction	3*

*Foreign language depends on CPC requirement

Area G: Major Requirements

40 semester hours

FREN 1002 or SPAN 1002 or	Foreign Language Sequence*	3
MCMM 2223	Introduction to Broadcasting	3
MCMM 2143	Writing and Reporting for the Media	3
MCMM 2163	Publication Editing and Design	3
MCMM 3123	Mass Media Ethics and Law	3
MCMM 3283	Persuasion in the Media	3
MNGT 3103	Principles of Management	3
MCMM 4283	Mass Communication Research	3
MCMM 4361	Capstone Course in Mass Communications	2

Five of the following:

MCMM 2124K	Basic Photography Lab	1
MCMM 2143K	Basic Media Writing Lab	1
MNGT 2144K	News Writing and Reporting for the Media Lab	1
MCMM 2224K	Introduction to Broadcast Laboratory	1
MCMM 3124K	Mass Media Law and Ethics Laboratory	1
MCMM 4254K	Mass Media Public Relations Theory/Practice Lab	1
MCMM 4341K	Mass Media (Photojournalism) Laboratory	1
MCMM 4351K	Mass Media (Special Projects) Laboratory	1

One of the following:

MATH 2113	Elementary Statistics	3
POLS 3301	Political Science Research Method	3
BHSC 2300	Behavioral Statistics	3

One of the following:

MATH 1201	Problem Solving Strategies	1
EDUC 1001	Library Skills	1

One of the following:

MCMM 4143	Advertising Copy Writing and Design	3
MCMM 4223	Radio - TV Advertising	3

One of the following:

MCMM 4303 or 4313	Campus Practicum	3
MCMM 4323	Internship	3

Option Requirements

9 semester hours

MNGT 4183	Radio Production	3
MCMM 4193	Television Production I	3

One of the following:

MCMM 4203	Television Production II	3
MCMM 4233	Broadcast Newswriting	3
MCMM 4243	Multi-Media Presentations	3

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MCMM 4153	Principles of Interviewing	3
MCMM 4213	Radio-TV News	3

Free Electives

At least 1 Literature Course 2000 or above		3
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C. Institutional Requirements

FVSU 0100	Orientation to the University	1
MCMM 1101	Orientation to Mass Communication	1
PEDW or MILS course		1
PEDW or MILS course		1
PEDW or MILS course		1

One of the following:

PEDW 1402	Fitness and Lifestyle Assessment	1
MILS 1120	Foundations of Physical Education or Basic Military Science	1

Department of History, Geography, Political Science and Criminal Justice

Dr. Fred van Hartesveldt, Department Head
134 Bond Building
478/825-6230

The principal objective of the social sciences is to offer students a firm and comprehensive understanding of available and expanding knowledge about the peoples of the world and the societies in which they live. This includes an in-depth grasp of the physical and social characteristics of their environment, their origins and histories, their institutional organizations and practices and their social relationships. The Department of History, Geography, Political Science and Criminal Justice has curricula leading to the bachelor of arts degrees in history, political science, and criminal justice and a minor in geography. Courses offered by the department are designated: HIST, GEOG, POLS and CRJU.

The B.A. in Criminal Justice and B.A. in Political Science also are available fully online. The requirements are the same as they are for the traditional program. Internships and practica will be supervised via virtual technologies for students who are unable to interact with campus evaluators

In addition to the general university and core requirements, the Bachelor of Arts with a major in history includes the satisfactory completion of at least 45 credit hours in upper division courses as specified by the department. These hours must include: (1) satisfactory completion of 6 hours of required courses (HIST 3350 and HIST 4500) and 39 hours of electives in upper division history courses divided among U.S., European, and African history. A grade of "C" or better in all history and other social sciences courses is required.

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History Major

Program of Study for the B.A. Degree

Total Number of Degree Hours: 125

	Fall Semester	Spring Semester
Freshman Year	ENGL 1101 FVSU 0100 MATH 1101 ARTH or MUSC 1000 HIST 1111 BIOL 1104 17 credits	ENGL 1102 BIOL 1105 HIST 1112 CSCI 1153 POLS 1101 PEDW 1402 16 credits
Sophomore Year	ENGL 2111 or ENGL 2112 HIST 2111 SPAN or FREN 1002 PEDW 2522 SOCI 2008 GEOG 1231 16 credits	COMM 1110 SOCI 1101 ECON 2105 or 2106 SPAN or FREN 2001 HIST 2112 PEDW 16 credits
Junior Year	HIST Elective HIST Elective HIST Elective SS Elective HIST Elective 15 credits	HIST Elective HIST Elective HIST Elective SS Elective FR Elective 15 credits
Senior Year	HIST Elective HIST Elective HIST Elective HIST Elective SS Elective 15 credits	HIST Elective HIST Elective HIST Elective HIST Elective FR Elective 15 credits

B. A. Degree in History

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		9 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3
Area B: Institutional Options		5 semester hours
COMM 1110	Public Speaking	3
BUSA 1980	Professional Development I	1
EDUC 101	Library Skills	1

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Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111 or 2112	World Literature I or II	3
Foreign Language Sequence	FREN or SPAN or JAPN	3

Area D: Science, Math and Technology	10 semester hours
(A science course with a lab is required.)	

BIOL 1105	Environmental Science	3
BIOL 1104K	Biological Science	4
CSCI 1153	Introduction to Computers	3

Area E: Social Sciences	12 semester hours
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HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
GEOG 1231	Intro to World Regional Geography	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours

B. Major Requirements

Area F: Courses Related to the Program of Study	21 semester hours
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HIST 1112	A Survey of Civilization	3
HIST 2112	A Survey of U.S. History	3
FREN or SPAN or JAPN	Foreign Language Sequence	3
PSYC 1101	General Psychology	3
SOCI 1101	Introduction to Sociology	3
ECON 2105 or 2106	Principles of Macro Economics or Microeconomics	3
One of the following:		
ARTH 1000	Art Appreciation	3
HUMN 2004	Introduction to Fine Arts	3

Area G: Major Requirements	6 semester hours
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HIST 3350	Introduction to Historical Research	3
HIST 4500	Capstone in History	3

Elective Areas and Requirements

U.S. History (18 hours selected from the following with advisor approval)

HIST 3310	Black American History	3
HIST 3311	Georgia in American History	3
HIST 3312	Women In America	3
HIST 3370	The American Colonies, 1585-1763	3
HIST 3380	American Revolution & New Nation	3
HIST 4300	Jacksonian America, 1815-1848	3
HIST 4401	Civil War and Reconstruction	3
HIST 4408 /POLS 4408	U. S. Constitutional History	3
HIST 4409	Early 20 th Century U.S., 1898-1945	3
HIST 4411	Recent U. S. History	3
HIST 4415	Civil Rights Movement	3

European History (12 hours selected from the following with advisor approval)

HIST 3303	Tudor-Stuart England	3
HIST 3304	Modern England	3
HIST 3305	Renaissance and Reformation	3
HIST 3306	Modern France	3

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HIST 3330	Military History	3
HIST 4410	Twentieth Century Europe	3
HIST 4420	Development of Modern Science and Medicine	3
African History (9 hours selected from the following with advisor approval)		
HIST 3309	Survey of West Africa	3
HIST 3360	History of Africa to 1850	3
HIST 3365	History of Africa since 1850	3
HIST 4060	Topics in African History	3

Electives **9 semester hours**
Social Science electives with the advice of departmental advisor

Electives **6 semester hours**
Free electives with the advice of the departmental advisor

C. Institutional Requirements **5 semester hours**

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

History Minor

The History Minor requires 18 hours as follows:

Required Courses, 9 hours

- HIST 1111/1112 (3 hours) – To complete the World History sequence
- HIST 2111/2112 (3 hours) – To complete the U.S. History sequence
- HIST 3350 (3 hours) Historiography & Methods of Historical Research

9 hours selected from the following courses with advisor approval:

- HIST 3303 (3 hours) Tudor-Stuart England
- HIST 3304 (3 hours) Modern England
- HIST 3305 (3 hours) Renaissance & Reformation
- HIST 3306 (3 hours) Modern France
- HIST 3309 (3 hours) Survey of West Africa
- HIST 3310 (3 hours) Black American History
- HIST 3311 (3 hours) GA in American History
- HIST 3312 (3 hours) Women in America
- HIST 3320 (3 hours) Oral and Family History Seminar
- HIST 3330 (3 hours) Military History
- HIST 3360 (3 hours) History of Africa to 1850
- HIST 3365 (3 hours) History of Africa since 1850
- HIST 3370 (3 hours) The American Colonies, 1585-1763
- HIST 3380 (3 hours) The American Revolution & New Nation, 1763-1815
- HIST 4060 (3 hours) Topics in African History
- HIST 4300 (3 hours) Jacksonian America, 1815-1848

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	HIST 1111 or HIST 1112 17 credits	SOC 1101 16 credits
Sophomore Year	ENGL 2111 or 2112 CSCI 1153 SPAN or FREN 1002 HIST 2111 or 2112 SOC 2008 PEDW 2522 16 credits	ECON 2105 POLS 2210 SPAN or FREN 2001 PSYC 1101 COMM 1110 PEDW 16 credits
Junior Year	POL 3304 POL 3320 POL Elective SS Elective FR Elective 15 credits	POL 3301 POL 4402 POL Elective POL Elective SS Electives 15 credits
Senior Year	POL 4401 POL 4403 POL 4405 POL 4450 POL Elective 15 credits	POL 4406 POL 4408 POL Elective FR Elective SS Elective 15 credits

B. A Degree in Political Science

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		9 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3
Area B: Institutional Options		6 semester hours
COMM 1110	Public Speaking	3
PHIL 2000	Introduction to Philosophy	3
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111 or 2112	World Literature I or II	3
One of the following:		
ARTH 1000	Art Appreciation	3
MUSC 1000	Music Appreciation	3
HUMN 2004	Introduction to Fine Arts	3
Area D: Science, Math and Technology		10 semester hours
	(A science course with a lab is required.)	
BIOL 1105	Environmental Science	3
BIOL 1104	Biological Science	4
CSCI 1153	Introduction to Computers	3

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Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
GEOG 1231	Intro to World Regional Geography	3
Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.		

B. Major Requirements

Area F: Courses Related to the Program of Study		18 semester hours
PSYC 1101	General Psychology	3
ECON 2105	Principles of Macro Economics	3
SOCI 1101	Introduction to Sociology	3
POLS 2210	Intro to Political Science	3
FREN or SPAN or JAPN 1002	Foreign Language Sequence	3
FREN or SPAN or JAPN 2001	Foreign Language Sequence	3

Area G: Major Requirements		30 semester hours
POLS 3301	Political Science Research Method	3
POLS 3304	State and Local Government	3
POLS 3320	Public Administration	3
POLS 4401	Public Policy Analysis	3
POLS 4402	African Politics	3
POLS 4403	Comparative Politics	3
POLS 4405	International Relations	3
POLS 4406	Political Theory	3
POLS 4408	Constitutional Development	3
HIST 4450	Capstone in History	3

Required Electives		15 semester hours
(Select any five courses from among the following)		
POLS 3300	Political Parties	3
POLS 3305	Women and Politics	3
POLS 3309	Government and Developing Nations	3
POLS 3310	Minority Politics	3
POLS 3313	Political Behavior	3
POLS 3330	Legislative Process	3
POLS 3350	Seminar in Political Science	3
POLS 4407	International Political Economics	3
POLS 4440	The Presidency	3
POLS 4491 or 4492 or 4493		3

Free Electives	15 semester hours
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C. Institutional Requirements		5 semester hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

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Political Science Minor

The Political Science requires the following 18 hours.

Required Courses, 6 hours

POLS 2210 - Intro to Political Science (3 hours)

POLS 3301 - Political Science Research Methods (3 hours)

12 hours selected from the following courses with advisor approval:

POLS 3300 - Political Parties (3 hours)

POLS 3304 - State & Local Government (3 hours)

POLS 3305 - Women and Politics (3 hours)

POLS 3309 - Gov't & Developing Nations (3 hours)

POLS 3310 - Minority Politics(3 hours)

POLS 3313 - Political Behavior (3 hours)

POLS 3320 - Public Administration (3 hours)

POLS 3330 - Legislative Process (3 hours)

POLS 3350 - Seminar in Political Science(3 hours)

POLS 4401 - Public Policy Analysis (3 hours)

POLS 4402 - African Politics (3 hours)

POLS 4403 - Comparative Politics (3 hours)

POLS 4405 - International Relations (3 hours)

POLS 4406 - Political Theory (3 hours)

POLS 4408 - Constitutional Development (3 hours)

POLS 4407 - International Political Economics (3 hours)

POLS 4440 - The Presidency (3 hours)

Criminal Justice Major

The Criminal Justice Program is a professional educational endeavor. The profession embodies three separate components -- law enforcement, courts and corrections--which constitute the Criminal Justice System. Although their functions are separate, they are interrelated.

The program in Criminal Justice leads to the B.A. degree in Criminal Justice. The program is designed to prepare students for positions in the criminal justice system at entry level. The program will also meet the needs of students preparing to pursue graduate studies.

The primary objectives of the Criminal Justice Program are to provide knowledge and comprehension of the foundations, principles and procedures of the criminal justice system. The course of study is designed so that it not only provides a treatment of substantive legal procedures which all students should become acquainted with, but also includes an in-depth consideration of other bodies of knowledge germane to the criminal justice system.

Criminal Justice Major

Program of Study for the B.A. Degree

Total Number of Degree Hours: 125

Freshman Year	Fall Semester ENGL 1101	Spring Semester ENGL 1102
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	MATH 1111 or 1101 BIOL 1104K or CHEM 1102 POLS 1100 SOCI/PSYC 1101 or GEOG 1231 FVSU 0100 17 credits	CSCI 1153 BIOL 1105 or CHEM 1101K HIST 1111 or HIST 1112 COMM 1110 PEDW 1402 16 credits
Sophomore Year	ENGL 2111 or 2112 SPAN/FREN 1002 BHSC 2300 CRJU 1000 CRJU 2100 PEDW 16 credits	HIST 2111 or 2112 SPAN/FREN 1002 CRJU 2010 CRJU 2005 SOCI 2008 PEDW 2522 16 credits
Junior Year	CRJU 3000 CRJU 3003 CRJU 3004 CRJU Elective SOC SCI Elective SOC SCI Elective 15 credits	CRJU 3010 CRJU 3020 CRJU 3060 CRJU Elective Free Elective 18 credits
Senior Year	CRJU 4070 CRJU Elective CRJU Elective SOC SCI Elective Free Elective 15 credits	CRJU 4080 12 credits

Criminal Justice Minor

The minor in Criminal Justice requires 18 hours of courses.

Prerequisites (6 hours)

CRJU 1000	Introduction to Criminal Justice
CRJU 2100	Introduction to Corrections

Upper Level Courses Required for the Minor

CRJU 3000	Basic Law Enforcement	3 hours
CRJU 3010	Criminal Law	3 hours
CRJU 3020	Criminal Procedure	3 hours
CRJU 3100	Criminal Investigation	3 hours

B. A Degree in Criminal Justice

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills Course Number	Course Title	9 semester hours
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ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3
Area B: Institutional Options		5 semester hours
COMM 1110	Public Speaking	3
SOCI 2008	Cultural Diversity	2
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111 or 2112	World Literature I or II	3
SPAN	(must see advisor before registration)	3
Area D: Science, Math and Technology		10 semester hours
(A science course with a lab is required.)		
CSCI 1153	Introduction to Computers	3
One of the following:		
BIOL 1104K	Biological Science	4
CHEM 1101K	Introduction to Chemistry I	4
One of the following:		
PHSC 1101	Physical Science I	3
PHSC 1102	Physical Science II	3
BIOL 1105	Environmental Science	3
Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
One of the following:		
PSYC 1001	General Psychology	3
SOCI 1101	Intro. to Sociology	3
GEOG 1231	Intro. to World Regional Geography	3
B. Major Requirements		
Area F: Courses Related to the Program of Study		18 semester hours
CRJU 1000	Introduction to Criminal Justice	3
CRJU 2100	Introduction to Corrections	3
Spanish (must see advisor before registration)		3
CRJU 2001	Report Writing for Criminal Justice Professionals	3
CRJU 2010	Ethical Issues in the Criminal Justice System	3
BHSC 2300	Behavioral Statistics	3
Area G: Major Requirements		33 semester hours
CRJU 3000	Basic Law Enforcement	3
CRJU 3004	Theories of Criminal Behavior	3
CRJU 3010	Criminal Law	3
CRJU 3020	Criminal Procedure	3
CRJU 3060	Research Methods in Criminal Justice	3
HIST 4408	U.S. Constitution History or	
POLS 4408	Constitutional Development	3
CRJU 4070	Criminal Justice Seminar	3
CRJU 4080	Practicum and Seminar	12

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II: Electives (Choose 12 hours. from the following list)		12 semester hours
CRJU 3003	Juvenile Justice Systems	3
CRJU 3005	Community Policing	3
CRJU 3015	Introduction to Forensic Science	3
CRJU 3025	Theories and Development of Juvenile Gangs	3
CRJU 3030	Evidence	3
CRJU 3031	Domestic and International Terrorism	3
CRJU 3050	Police Administration	3
CRJU 3100	Criminal Investigations	3
CRJU 3101	Minorities, Crime and Social Policy	3
CRJU 3105	Alternatives to Incarceration	3
CRJU 3111	Women in the Criminal Justice System	3
CRJU 4020	Mock Court	3
CRJU 4100	Private Security	3

Required	9 semester hours
Social Sciences Electives (from CRJU, PSYC, SOCI, and SOWK)	9

Free Electives (Select 6 hours)	6
C. Institutional Requirements	5 semester hours

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

Public Service

The Bachelor of Science degree in Public Service is designed to prepare graduates for entry into a large variety of occupations rendered in the public interest. Most of these jobs are found in local, state, and federal government; public and private agencies, and enterprises established to provide social services.

Public Service Major

Program of Study for the B.S. Degree

Total Number of Degree Hours: 125

Freshman Year	Fall Semester	Spring Semester
	ENGL 1101	ENGL 1102
	MATH 1111 1101	COMM 1110
	BIOL 1104K or	BIOL 1105 or
	CHEM 1101K	CHEM 1102
	GEOG 1230 or 1231	HIST 1111 or 1112
	FVSU 0100	POLS 1100
	PEDW	PEDW 1402
	16 credits	15 credits
Sophomore Year	Fall Semester	Spring Semester
	ENGL 2111 or 2112	HIST 2111 or 2112
	SPAN/FREN 1002	SPAN/FREN 2001
	CSCI 1153	BHSC 2300

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	CRJU 1000 PSYC 1101 PEDW 2522 17 credits	PBSV 2003 CRJU 2010 SOCI 2008 17 credits
Junior Year	Fall Semester	Spring Semester
	CRJU 3000 HIST 4408 or POLS 4408 CRJU 3310 POLS 3320 Social Science Elective Major Elective 18 credits	CRJU 3060 CRJU 3304 Major Elective CRJU 3020 PBSV 3040 15 credits
Senior Year	Fall Semester	Spring Semester
	PBSV 4050 POLS 4401 Social Science Elective Major Elective SOCI 4073 15 credits	PBSV 4100 Free Elective Free Elective 12 credits

B. S. Degree in Public Service: Criminal Justice Major

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		9 semester hours
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3
Area B: Institutional Options		5 semester hours
COMM 11101	Public Speaking	3
SOCI 2008	Cultural Diversity	2
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111 or ENGL 2112	World Literature	3
Spanish (See advisor before registration)		3
Area D: Sciences, Mathematics and Technology		10 semester hours
BIOL 1104K or CHEM 1101K		4
PHSC 1101 or 1102 or BIOL 1105		3
CSCI 1153	Introduction to Computers	3
Area E: Social Science		12 semester hours
HIST 1111 or 1112	History of Civ.	3
HIST 2111 or 2112	US History	3
POLS 1101	American Government	3
GEOG 1231	Intro to World Geography or	
SOCI 1101	Intro to Sociology or	
PSYC 1101	General Psychology	3

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Area F: Course Related to the Program of Study		18 semester hours
BSV 2003	Introduction to Public Service	3
BHSC 2300	Behavioral Science Statistics	3
CRJU 1000	Introduction to Criminal Justice	3
SPAN	(must see advisor before registration)	3
CRJU 2010	Ethical Issues in the Criminal Justice System	3
CRJU 2100	Introduction to Corrections	3
 Major Requirements		 33 semester hours
CRJU 3000	Basic Law Enforcement	3
CRJU 3004	Theories of Criminal Behavior	3
CRJU 3010	Criminal Law	3
CRJU 3020	Criminal Procedure	3
CRJU 3060	Research Methods in Criminal Justice	3
PBSV 4050	Arbitration and Mediation in Public Service	3
CRJU 4070	Criminal Justice Seminar	3
PBSV 4100	Senior Internship in Public Service	6
POLS 4401	Public Policy Analysis	3
HIST 4408	U.S. Constitution History or	
POLS 4408	Constitutional Development	3
 Major Electives		 12 semester hours
CRJU 3003	Juvenile Justice Systems	3
CRJU 3005	Community Policing	3
CRJU 3025	Theories and Development of Juvenile Gangs	3
CRJU 3031	Domestic and International Terrorism	3
CRJU 3101	Minorities, Crime and Social Policy	3
CRJU 3105	Alternatives to Incarceration	3
CRJU 3111	Women in the Criminal Justice System	3
MNGT 3203	Human Resources Management	3
MNGT 4223	Compensation	3
MKTG 3103	Principles of Marketing	3
POLS 3320	Principles of Public Administration	3
SOWK 3007	Community Organization	3
SOWK 4060	Human Services in Rural Communities	3
Social Sciences Electives		9 semester hours
CRJU, PSYC, SOCI, SOWK,		3
POLS, HIST, GEOG, ECON		3
		3
 Free Electives		 6 semester hours
 Institutional Requirements		 5 semester hours
FVSU 0100		1
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1

Fort Valley State University

Department of Mathematics and Computer Science

Dr. James Glover, Department Head
315 W.W.E. Blanchet CTM Building
478/825-6430

The Department of Mathematics and Computer Science offers undergraduate degree programs with majors in Mathematics, Computer Science and Computer Information Systems. Courses offered by the department are designated as MATH, CSCI, CSIS, EEGG, ENGG, and PHYS.

The B.S in Computer Information Systems and the B.S. in Computer Science are available both on the Fort Valley campus and at the Warner Robins Center, 151 Osigian, Warner Robins.

Mathematics

The Department offers a program of study in mathematics leading to the Bachelor of Science (B.S.) Degree. This degree program provides students the educational background and competencies necessary for effective performance in mathematics-related fields and for entrance into graduate schools.

Dual Degree Programs

The Department participates in several 3+2 dual degree programs. Scholarships are available in these programs through the Cooperative Developmental Energy Program (CDEP) at Fort Valley State University.

Mathematics Major

Program of Study for the B.S. Degree

Total Number of Degree Hours: 125

Freshman Year	Fall Semester	Spring Semester
	ENGL 1101	ENGL 1102
	FVSU 0100	SOCI 2008
	HIST 1111	HIST 2111
	MATH 1113	MATH 1154
	MATH 1201	MATH 2113
	PEDW 1402	PSYC 1101 ¹
	POLS 1101	
	16 credits	18 credits
Sophomore Year	ENGL 2111	COMM 1110
	MATH 2164	MATH 2174
	MATH 2203	MATH 2253
	PEDW	PHYS 2212K
	PHIL 2000	Elective
	PHYS 2211K	
	18 credits	17 credits
Junior Year	MATH 3223	MATH 3323
	CSCI 3333	MATH 3273
	MATH 3000	Foreign Language II

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Foreign Language I	MATH Elective ¹
PEDW 2522	Elective
14 credits	15 credits

Senior Year	MATH 4193	MATH 4243
	MATH 4343	MATH 4143
	MATH 4390	MATH 4391
	Elective ²	MATH Elective ¹
	Elective ²	Elective ²
	PEDW	
	14 credits	13 credits

¹ Mathematics electives will be taken from the following: MATH 3373 (Probability), MATH 3393 (History of Mathematics), MATH 4293 (PDE), and MATH 4363 (Numerical Methods).

² Mathematics majors will choose one two-course sequence from the areas of Biology, Geology, Chemistry, Electronic Engineering Technology, Engineering, Computer Science. Freshman and sophomore level mathematics courses will not count as electives.

B. S. Degree in Mathematics

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		10 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	Pre-calculus	4
Area B: Institutional Options		5 semester hours
COMM 1110	Public Speaking	3
SOCI 2008	Cultural Diversity	2
Area C: Humanities/Fine Arts		6 semester hours
ENGL 2111 or 2112	World Literature I or II	3
One of the following:		
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
Area D: Science, Math and Technology		11 semester hours
(One science course with a lab is required.)		
PHYS 2211	Principles of Physics I	4
PHYS 2212	Principles of Physics II	4
MATH 2203	Intro to Linear Algebra I	3
Area E: Social Sciences		12 semester hours
HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
PSYC 1101	General Psychology	3
Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.		

B. Major Requirements

Area F: Courses Related to the Program of Study	16 semester hours
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MATH 1154	Calculus I	4
MATH 2164	Calculus II	4
MATH 2174	Calculus III	4
MATH 2113	Elementary Statistics	3
MATH 1201	Problem Solving Strategies	1

Area G: Major Requirements **60 semester hours**

MATH 2253	Discrete Mathematics	3
MATH 3000	Foundations of Advanced Mathematics	3
MATH 3223	Differential Equations	3
MATH 3273	Theory of Numbers	3
MATH 3323	College Geometry	3
MATH 4143	Complex Variables	3
MATH 4193	Abstract Algebra	3
MATH 4243	Linear Algebra II	3
MATH 4343	Advanced Calculus	3
MATH 4390	Mathematics Review	2
MATH 4391	Mathematics Seminar	1
CSCI 3333	Computer Programming for Non-majors	3
Foreign Language I	Foreign Language I	3
Foreign Language II	Foreign Language I I	3
MATH Elective	Math Elective ¹	3
MATH Elective	Math Elective ¹	3
	Elective Course one of Sequence	3
	Elective Course two of Sequence	3
	Elective ²	3
	Elective ²	3
	Elective ²	3

¹ Mathematics electives will be taken from the following: MATH 3373 (Probability), MATH 3393 (History of Mathematics), MATH 4293 (PDE), and MATH 4363 (Numerical Methods).

² Mathematics majors will choose one two-course sequence from the areas of Biology, Geology, Chemistry, Electronic Engineering Technology, Engineering, Computer Science. Freshman and sophomore level mathematics courses will not count as electives.

C. Institutional Requirements **5 semester hours**

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW 2522	Personal and Community Health	2
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

Mathematics and Geosciences Major: Dual Degree Program

Total Number of Degree Hours: 125

Freshman Year	Fall Semester	Spring Semester
Summer Semester		
ENGL 1101	ENGL 1102	EDUC 1001
MATH 1113	SOCI 2008	ENGL 2111
HIST 1111	HIST 2111	GEOL 1121
POLS 1101	MATH 1154	MATH 2164
	MATH 1201	MATH 2253
	MATH 2113	PEDW 1402
	PEDW 1402	PEDW 2522
	PSYC 1101 ¹	SPCH 2330

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14 credits	20 credits	20 credits
Sophomore Year	CSCI 3332 MATH 2174 MATH 2203 MATH 3273 PHYS 2211K SPAN 1001 20 credits	GEOL 1122 MATH 3323 MATH 4243 PHIL 2000 PHYS 2212K SPAN 1002 20 credits
Junior Year	GEOL 2204 MATH 3223 MATH 4143 MATH 4193 MATH 4390 15 credits	CSCI 3331 MATH 3373 MATH 4343 MATH 4391 MATH 3393 Elective ² 16 credits

¹ Or ECON 2105 or ECON 2106

² Students will choose from Geology, English (ENGL 2053), and History (Non-Western culture).

Mathematics and Engineering Major: Dual Degree Program

Total Number of Degree Hours: 125

Summer Semester	Fall Semester	Spring Semester
Freshman Year		
ENGL 1101 MATH 1113 HIST 1111 POLS 1101 PEDW 1402	ECON 2105 ¹ ENGL 1102 SOCI 2008 HIST 2111 MATH 1154 MATH 1201 MATH 2113 PEDW	EDUC 1001 EEGG 1114 ENGL 2111 MATH 2164 MATH 2253 PEDW 2522 COMM 1110
14 credits	20 credits	20 credits
Sophomore Year	CSCI 3332 MATH 2174 MATH 2203 MATH 3273 PHYS 2211K Foreign Language I 20 credits	EEGG 2113 ³ MATH 3323 MATH 4243 PHIL 2000 PHYS 2212K Foreign Language II 19 credits
Junior Year	EEGG 2114 ³ MATH 3223 MATH 4143 MATH 4193 MATH 4390 15 credits	CSCI 3331 MATH 3373 MATH 4343 MATH 3393 MATH 4391 PHYS 2113 17 credits

¹ Or ECON 2106 (Principles of Microeconomics)

² Civil Engineering students will take GEOL 1114.

³ Civil or Mechanical Engineering students will take ENGG 2123 and ENGG 2133 sequences.

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Mathematics Minor (19 hours)

MATH 2113	Elementary Statistics	3 credits
MATH 2174	Calculus III	4 credits
MATH 2253	Discrete Mathematics	3 credits
MATH Electives*	(May be chosen from the courses listed below)	9 credits

*Selected from

MATH 3223, MATH 3273, MATH 3323, MATH 3373, MATH 3393, MATH 4143, MATH 4193, MATH 4243, MATH 4343, or MATH 4363.

Total Hours: 19

Computer Science Major

The Department offers two programs of study in computer science leading to the Bachelor of Science (B.S.) Degree: Computer Science (CSCI) and Computer Information Systems (CSIS). The Bachelor of Science in Computer Science curriculum involves the study of the logical organization, design, and functions of computers with emphasis on scientific and technical applications. The program provides majors with a firm foundation for graduate study, as well as the necessary skills for viable, entry-level employment upon graduation. Course offerings are designated CSCI and CSIS. The Bachelor of Science in Computer Information Systems curriculum involves the study of computer applications in the areas of commerce, business, government, and industry with emphases on understanding systems operations and data processing applications and procedures.

CSCI and CSIS majors must receive a grade of "C" or better in all courses designated with the prefix CSCI or CSIS and supportive courses for the major. Mathematics courses are supporting courses for CSCI majors. Business courses are supporting courses for CSIS majors. All majors must take and pass a departmental exit exam with a score of 70% or better for partial completion of degree requirements.

Computer Science Major

Program of Study for the B.S. Degree

Total Number of Degree Hours: 125

Freshman Year	Fall Semester	Spring Semester
	ENGL 1101	CSCI 1102
	FVSU 0100	ENGL 1102
	HIST 1111 or 1112	HIST 2111 or 2112
	MATH 1113	MATH 1154
	MATH 1201	PEDW ¹
	PEDW 1402	Area C Elective
	CSCI 1102	Area E Elective
	15 credits	16 credits
Sophomore Year	CSCI 1301	COMM 1110
	Lab Science I	CSCI 1302
	MATH 2164	ENGL 2111 or 2112
	MATH 2203	Lab Science II
	PEDW ¹	POLS 1101
Junior Year	16 credits	17 credits
	CSCI 2201	CSCI 3339

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	CSCI 3331	CSCI 3351
	CSCI 3410	Foreign Lang. II
	Foreign Lang. I	MATH 2253
	MATH 2113	Elective
	PEDW ¹	
	16 credits	15 credits
Senior Year	CSCI 4109	CSCI 3150
	CSCI 4340	CSCI 4000
	Electives	CSCI 4520
		CSIS 4720
		Electives
	15 credits	15 credits

Computer Science Minor (CSCI)

Required courses in CSCI:

CSCI 3339	Programming Languages	3 Credits
CSCI 3351	Computer Organ/Assem Lang. Organization	3 Credits
CSCI 3410	Data Structures	3 Credits
CSIS 4720	Database Systems	3 Credits
	Total	12 Credits

Required Prerequisites:

CSCI 1301	Principles of Programming I	4 Credits
CSCI 1302	Principles of Programming II	3 Credits
CSCI 2201	Digital Fundamentals	3 Credits

B. S. Degree Computer Science

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills		10 semester hours
Course Number	Course Title	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	Precalculus	4
 Area B: Institutional Options		 5 semester hours
COMM 1110	Public Speaking	3
MATH 1201	Problem Solving Strategies	1
 Area C: Humanities/Fine Art		 6 semester hours
ENGL 2111 or 2112	World Literature I or II	3
One of the following:		
ARTH 1000	Art Appreciation	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
HUMN 2004	Introduction to Fine Arts or Foreign Language	3

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Area D: Science, Math and Technology **10 semester hours**
(A science course with a lab is required.)

MATH 2203	Intro to Linear Algebra I	3
One of the following:		
BIOL 1107K	Principles of Biology I	4
CHEM 1211K	Principles of Chemistry I	4
PHYS 1111K	Introductory Physics I	4
PHYS 2211K	Principles of Physics	4
One of the following:		
BIOL 1108K	Principles of Biology II	4
CHEM 1212K	Principles of Chemistry II	4
PHYS 1112K	Introductory Physics II	4
PHYS 2212K	Principles of Physics II	4

Area E: Social Sciences **12 semester hours**

HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3

One of the following:

PSYC 1001	General Psychology	3
SOCI 1101	Intro to Sociology	3
GEOG 1231	Intro to World Regional Geography	3
ECON 2105	Principles of Macro Economics	3
ECON 2106	Principles of Micro Economics	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

B. Major Requirements

Area F: Courses Related to the Program of Study **17 semester hours**

CSCI 1102	An Overview: CSCI and CSIS	3
CSCI 1301	Principles of Programming I	4
CSCI 1302	Principles of Programming II	3
MATH 1154	Calculus I	4
MATH 2164	Calculus II	4

Area G: Major Requirements **45 semester hours**

CSCI 2201	Digital Fundamentals	3
CSCI 3150	Data Communications and Networks	3
CSCI 3331	C/UNIX	3
CSCI 3339	Theory of Programming Languages	3
CSCI 3351	Comp Organization/Assembly Language	3
CSCI 3410	Data Structures	3
CSCI 4000	Senior Seminar	2
CSCI 4109	Internship	3-9
CSCI 4340	Principles of Operating Systems	3
CSIS 4720	Database Systems	3
MATH 2113	Elementary Statistics	3
MATH 2253	Discrete Mathematics	3
	Foreign Lang I	3

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Foreign Lang II 3

Electives		15 semester hours
CSCI or CSIS (3000/4000 Level Courses)		3
CSCI or CSIS (3000/4000 Level Courses)		3
MATH (3000/4000 Level Courses)		3
Free Electives		6
Institutional Requirements		5 semester hours
PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

B. S. Degree in Computer Information Systems

Total Number of Degree Hours: 125

Freshman Year	Fall Semester	Spring Semester
	ENGL 1101	COMM 1110
	FVSU 0100	CSCI 1102
	HIST 1111 or 1112	ENGL 1102
	MATH 1201	HIST 2111 or 2112
	PEDW 1402 ¹	MATH 1113
	POLS 1101	SOCI 2008
	Area C Elective	
	15 credits	16 credits
Sophomore Year	ACCT 2103	ACCT 2113
	CSCI 1301	CSCI 1302
	ENGL 2111 or 2112	ECON 2105
	Lab Science I	Lab Science II
	PEDW	MATH 2113
	15 credits	17 credits
Junior Year	CSIS 2331	BUSA 3103
	CSIS 3100	CSCI 3150
	CSCI 3410	CSIS 3450
	CSIS 3740	CSIS 3701
	ECON 2106	MKTG 3103
	PEDW	PEDW
	16 credits	16 credits
Senior Year	CSIS 4001	CSCI 4000
	CSCI 4109	CSIS 4002
	MNMT 3103	CSIS 4720
	Electives	Electives
	15 credits	15 credits

Computer Information Systems Minor (CSIS)

CSIS 3100	Information Technology Hardware and Software	3 credits
CSCI 3410	Data Structures	3 credits
CSIS 3740	Business Applications Software	3 credits

Fort Valley State University

CSIS 4720	Database Systems	3 credits
	Total	12 credits

Required Prerequisites:

CSCI 1301	Principles of Programming I	4 credits
CSCI1302	Principles of Programming II	3 credits

Computer-Based Instrumentation and Measurement Minor

CSIS 3320	Introduction to Computerized Instrumentation	4 credits
CSCI 4420	Advanced Computer-Based Measurement and Instrumentation	4 credits
CSCI 4600	Projects in Computerized Instrumentation and Measurement Systems	3 credits
MATH 4883	Statistical Estimation, Time Series, Forecasting and Filtering	3 credits

Computer Information Systems

Total Number of Degree Hours: 125

A. Core Requirements

Area A: Essential Skills **10 semester hours**

ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	Precalculus	4

Area B: Institutional Options **5 semester hours**

COMM 1110	Public Speaking	3
SOCI 2008	Cultural Diversity	2

Area C: Humanities/Fine Art **6 semester hours**

ENGL 2111 or 2112	World Literature I or II	3
One of the following:		
ARTH 1000	Art Appreciation	3
MUSC 1000	Music Appreciation	3
PHIL 2000	Introduction to Philosophy	3
PHIL 2002	Ethics	3
HUMN 2004	Introduction to Fine Arts <i>or</i> Foreign Language	3

Area D: Science, Math and Technology **12 semester hours**

(A science course with a lab is required.)

MATH 2113	Elementary Statistics	3
One of the following:		
BIOL 1107K	Principles of Biology I	4
CHEM 1101K	Introductory Chemistry I	4
CHEM 1211K	Principles of Chemistry I	4
PHYS 1111K	Introductory Physics I	4
PHYS 2211K	Principles of Physics	4
ZOOL 2201	Human Anatomy and Physiology I	4
One of the following:		
BIOL 1108K	Principles of Biology II	4
CHEM 1102K	Introductory Chemistry II	4
CHEM 1212K	Principles of Chemistry II	4

Fort Valley State University

PHYS 1112K	Introductory Physics II	4
PHYS 2212K	Principles of Physics II	4
ZOOL 2202	Human Anatomy and Physiology II	4

Area E: Social Sciences **2 semester hours**

HIST 1111 or 1112	A Survey of Civilization	3
HIST 2111 or 2112	A Survey of U.S. History	3
POLS 1101	American Government	3
ECON 2105	Principles of Macro Economics	3

Regents' Test (Reading and Essay) must be taken after earning 30 semester hours.

B. Major Requirements

Area F: Courses Related to the Program of Study **15 semester hours**

ACCT 2103	Principles of Accounting I	3
ACCT 2113	Principles of Accounting II	3
CSCI 1102	An Overview: CSCI and CSIS	3
CSCI 1301	Principles of Programming I	4
CSCI 1302	Principles of Programming II	3
MATH 1201	Problem Solving Strategies	1

Area G: Major Requirements **52 semester hours**

CSIS 2331	COBOL	3
CSIS 3100	Info Technology Hardware and Software	4
CSIS 3450	File Structures and File Processing	3
CSIS 3701	Information Systems Theory and Practice	4
CSIS 3740	Business Application Software	3
CSIS 4001	Systems Design and Analysis	3
CSIS 4002	Systems Design and Implementation	2
CSIS 4720	Database Systems	3
CSCI 3150	Data Communications and Networks	3
CSCI 3410	Data Structures	3
CSCI 4000	Senior Seminar	2
CSCI 4109	Internship	3-9
BUSA 3103	Financial Management	3
ECON 2106	Principles of Micro Economics	3
MKTG 3103	Principles of Marketing	3
MNGT 3103	Principles of Management	2

Electives **12 semester hours**

CSCI or CSIS (3000/4000 Level Courses)		3
BUSA, ECON, MKTG, MNGT, ACCT (3000/4000 Level Courses)		3
Free Electives		6

C. Institutional Requirements **5 semester hours**

PEDW 1402	Fitness and Lifestyle Assessment	1
PEDW		1
PEDW		1
PEDW		1
FVSU 0100	Orientation to the University	1

Fort Valley State University

Department of Military Science

LTC Terry L. Love, Professor of Military Science
100 Gano Building
478-825-6340/6341

Army Reserve Officers' Training Corps (ROTC) Program

As one of the only 23 host HBCU ROTC programs in the nation and the only host HBCU program in Georgia, Fort Valley State University offers basic and advanced courses in Military Science and Leadership. The basic courses, taken during the freshman and sophomore years, are designed to teach principles of leadership and to develop in each student an understanding of the role of the Army in the defense of the United States. The purpose of the advanced course, taken generally during the junior and senior years, are to provide extensive training and experience in decision making, troop leading procedures, officer ethics and professionalism. The advanced course curriculum also includes a paid, six-week leadership immersion and assessment course between the junior and senior year. After completing the military science advanced course and upon receiving a bachelor's degree in any major, a student will be commissioned a Second Lieutenant in one of 16 career branches in the United States Army.

While participating in the first year of the advanced course, each student will be paid \$450 per month during the academic school year, \$500 per month during the second advanced course year. Although the advanced course is generally performed by juniors and seniors, graduate students and full time eligible veteran (non-scholarship) students who do not exceed the age of 34 in the year they are commissioned, are eligible to participate in the advanced course.

Two-Year Program

Those students desiring an Army commission who were unable, or did not elect, to enroll in the basic course may participate in a two-year program. The requirements of the basic course can be met by attending a paid, four-week summer Leader's Training Course (LTC). Eligible veterans may elect to participate in the advanced course with evidence of satisfactory prior service, appropriate academic standing, and approval by the Professor of Military Science (PMS). A special placement credit may be given to exceptional Scholar-Athlete-Leader (SAL) students to waive the first two basic course years at the discretion of the PMS. In addition, students that performed 3- or 4-years of JROTC may receive placement credit bypassing one or more basic course classes at the discretion of the PMS.

Three-Year Program

Those students who did not elect to enroll in the first year of the basic course, may take two basic course classes at the same time. After completing the four basic courses in one year, a student may elect to continue in the advanced course for the following two years while under contract. In addition, students that performed 3 or 4 years of JROTC may receive placement credit for the first year of basic course (as previously stated) at the discretion of the PMS.

Scholarship Program

The Army ROTC Scholarship Program offers financial assistance to eligible outstanding young men and women. Each scholarship pays tuition (or an extension of benefits if tuition is paid by another source), labs, and other associated fees, \$1200 for books, and a tiered monthly allowance beginning at \$300 for freshman. The allowance increases \$50 for each year of matriculation through the

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ROTC program, but it begins at \$450 per month for the advanced course. Each scholarship below provides the same benefits unless otherwise noted.

- Four-year National – open to all qualified high school students accepted to any four-year college/university with an ROTC program.
- ROCKs Four-Year Historically Black College/University (HBCU) – open to all qualified high school students who are accepted to any HBCU with a ROTC program.
- Four-year Green-to-Gold – open to Army veterans attending college after a completed enlistment in the Regular Army.
- Three-year Campus – Open to all qualified full time students with 3 years remaining in college before receiving a Bachelor’s degree.
- Two-year Campus – Open to all qualified full time students with 2 years remaining in college before receiving a Bachelor’s degree or Graduate degree.

The minimum requirements for these scholarships are:

- 920 SAT/ 19 ACT score
- 2.50 Cumulative Grade Point Average
- Holds U.S. Citizenship
- Does not become 31 years old the year commission is received
- Be of strong moral character
- Successfully pass military physical exam
- Successfully pass physical fitness exam

Requirements for ROTC

1. Character - Be of good moral character as evidenced by record in home, community and the institution where enrolled.
2. Citizenship - Be at least 17 years of age for enrollment in the advanced course. Male applicants under 18 years of age and female applicants who are under legal age established by their state of legal residence require parental consent.
3. Age - Be 34 years old or less the year of commissioning (for non-scholarship students).
4. Medical - Be physically fit as defined by AR 145-1 and AR 40-501.

Military Science Curriculum

Freshman Year	Fall Semester MILS 1110 Introduction to Leadership 1 credit	Spring Semester MILS 1120 Basic Leadership 1 credit
Sophomore Year	MILS 2210 Foundations of Leadership 2 credits	MILS 2220 Leadership and Teamwork 2 credits
Junior Year	MILS 3310 Adaptive Team Leadership 3 credits	MILS 3320 Applied Leadership 3 credits
Senior Year	MILS 4410 Adaptive Leadership 3 credits	MILS 4420 Leadership in a Complex World 3 credits

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***Summer** MILS 2230
Leader's Training Course
4 credits

*Note: This is only taken as an optional alternative for placement credit into the advanced course.

Learning Support Program

Mrs. Rosie Petties, Director
235 Bond Building
478/825-6305

Learning Support is an entity of Fort Valley State University committed to providing opportunities for ACCESS to college and SUCCESS in college. It is committed to enhancing the teaching/learning environment, providing academic assistance for students in their program of study and promoting test readiness at various levels of achievement. It is committed to providing services and programs to facilitate the needs of the academically vulnerable while reaching out to assist the academically talented as well.

Criteria for Determining Learning Support Status

Through the Learning Support Program, the University makes higher education more accessible to under-prepared students by allowing them to matriculate in the Learning Support Program until skills in mathematics, reading, and composition are commensurate to skills required in college level courses. Assignments to Learning Support courses are based on the students' performance on state-mandated as well as institutional tests. Placement in Learning Support courses is based on COMPASS scores. Students scoring below 430 on the SAT-Verbal (ACT 17) or 400 on the SAT - Mathematics (ACT 17) section or who have not completed CPC in English or mathematics requirements will be placed in the appropriate Learning Support courses according to their COMPASS exam scores. If the students' SAT/ACT Verbal and Math Scores exceed admission requirements and all college preparatory curriculum requirements have been satisfied,* the student is exempt from Learning Support requirements.

Counseling and support services are integral parts of the Learning Support Services Program. These services are designed to assist students in developing academic, personal and social skills that facilitate adjusting to the college environment. Continuous academic advising is provided in the Learning Support Program. Computer-assisted laboratories in math and verbal skills are available to students for self-paced learning.

* CPC requirements apply to students graduating from high school after 1987.

Letter Grades Used in Learning Support Program

A	Passing grade for course completion
B	Passing grade for course completion
C	Passing grade for course completion
IP	In progress - indicates progress, but is insufficient for exiting the course
F	Failing
W	Withdrew
WF	Withdrew while failing
V	Audited

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Attendance Policy

Learning Support students are governed by a mandatory attendance policy. Students who have more than three absences and a class average below 70% are subject to departmental intervention and possible suspension from the institution for excessive absences.

Enrollment

Students are required to enroll in courses related to their individual deficiencies as determined by the COMPASS. No credit is earned toward graduation requirements in Learning Support courses, but institutional credit is awarded. Students are not permitted to defer taking required Learning Support courses; moreover, they may not take credit courses which require the content of Learning Support courses (courses they have not passed or been exempted from) as a prerequisite. Students may not acquire more than 20 semester hours of degree credit courses before completing Learning Support courses. Students who accumulate 20 semester hours and have not completed the required Learning Support courses may enroll only in Learning Support courses until requirements are completed.

Students at the freshman level who have no Learning Support requirements can elect to audit Learning Support courses for the purpose of increasing competency in selected areas.

Credit Load

Students taking Learning Support courses are restricted to a credit load of 12 hours. Students exit each Learning Support course by demonstrating mastery of the content stipulated by the course syllabus as well as by passing the COMPASS Exit test.

Advising

Students who are identified as needing Learning Support courses are advised by academic advisors assigned to the Learning Support Program. Support students are not permitted to register outside of the Learning Support Program.

Learning Support Transfer

The University will honor the grades made by transfer students in Learning Support courses at all colleges/universities in the University System of Georgia. A transfer Learning Support student may be granted an additional semester - up to fifteen (15) semester hours to exit an area. This provision applies only to students who are making appropriate progress at the sending institution and are ready for the exit level course at Fort Valley State University.

Courses Offered in Learning Support

ENGL 0098	Learning Support Writing I
ENGL 0099	Learning Support Writing II
MATH 0097	Elementary Algebra I
MATH 0099	Intermediate Algebra and Geometry II
MATH 0101	Academic Assistance - Mathematics
READ 0098	Learning Support Reading I
READ 0099	Learning Support Reading II
RGTR 0198	Regents Reading

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Academic Progress, Probation, and Suspension Policies

In order to exit Learning Support courses, students must satisfy the University requirements for each prescribed course. In addition, students must score at least the state/institutional minimum on the appropriate part of the Exit (COMPASS) before exiting a Learning Support area. Learning Support English requires a satisfactory evaluation on an exit writing sample as a precondition to taking the COMPASS.

Students who do not complete requirements for a Learning Support area in twelve semester hours or three semesters of enrollment, whichever occurs first, will be suspended. The student may not be considered for readmission within three years of the suspension. Prior to suspending a student who has not exited a Learning Support area within the twelve semester hour or three semester limit, the University may allow the student to appeal for two additional courses. For each additional attempt, the student must:

Be individually evaluated and determined to have a reasonable chance of success

- Be in an exit level course
- Have reached the limit in only one Learning Support area

During the semester of the first additional attempt, the student may enroll in courses other than Learning Support (subject to the 20-hour limit on the number of credit hours a student may earn before exiting Learning Support.) If granted the appeal for the second additional attempt, the student may enroll in only the Learning Support course.

Policies on Pledging

Students who have not completed all required Learning Support Services courses may not pledge (be initiated into) any social organizations, including Greek and non-Greek sororities and fraternities and their respective "sweethearts" (auxiliary groups).

Learning Support Grading

The grading system in the Learning Support program is identical with that approved for credit courses at the University. Each grade symbol carries the same definition as regular credit courses. The "IP" grade indicates progress which, while satisfactory, is insufficient for exiting the course.

For Learning Support students, two grade point averages are posted: an institutional grade average and an academic grade average. An institutional grade average is calculated over all courses attempted for which letter grades are assigned; an academic grade average is calculated over courses attempted (excluding Learning Support courses) for which letter grades are assigned.

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COLLEGE OF EDUCATION

Middle Grades Education

Early Childhood/Special Education

Health and Physical Education

Agriculture Education

Family and consumer Science Education

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College of Education

Dr. Judy Carter, Dean
206 Hubbard Education Building
478/825-6365

Under graduate programs currently available are Middle Grades Education, Agriculture Education, and Early Childhood/Special Education. Post-baccalaureate certification programs in Middle Grades Education and Agriculture Education are also available now. Graduate Programs available are the Master of Science in Middle Grades Education and Master of Science in School Counselor Education.

Programs proposed for activation in the fall of 2009 are Health and Physical Education, Family and Consumer Sciences, and post-baccalaureate certification in Family and Consumer Science Education. Programs proposed for activation in spring 2010 include M.S. in Early Childhood/special Education and a post-baccalaureate in the area and a Master of Arts in Teaching for secondary education programs.

Requirements for Admission to Undergraduate Education Programs

Students seeking admission into admission into teacher preparation programs at For Valley State University must

- have a cumulative GPA of 2.5 or better, with no grade below C, on all attempted core hours;
- complete 50 or more semester hours of core courses and institutional requirements;
- pass the Regents' Reading Exam and the Regents' Writing Exam;
- pass GACE Basic Skills exams or be exempt. (1000 on SAT Verbal and Math; 43 on ACT English and math.) (GACE workshops or preparation course required);
- complete all Pre-Professional Block courses: EDUC 2110, EDUC 2120, EDUC 2130 and EDUC 2110P;
- have an "Acceptable" or above rating on all items on EDUC 2110P Field Experience Evaluation;
- have an "Acceptable" or above rating on the Pre-Professional Block Portfolio Rubric and presentation;
- have an "Acceptable" background check;
- have "Acceptable" or above ratings on three Evaluation of Candidate's Dispositions and Professional Behaviors forms;
- have an "Acceptable" or above rating on the writing sample;
- have an average of "Acceptable" or above on the Interview for Admission to Teacher Education;
- have "Acceptable" or above ratings on three (3) letters of recommendation;
- have proof of liability insurance; and
- have proof of membership in GAESP or SPAGE or other Special Professional Association (SPA).

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**Bachelor of Science in Education with a Major
in Middle Grades Education**

Freshman Year

Fall Semester

ENGL 1101
MATH 1111
BIOL 1107K
HIST 1111 or HIST 1112
FVSU 0100
PEDW 1402

Spring Semester

ENGL 1102)
Area B elective
COMM 1110
PHSC 1101
CSCI 1153
POLS 1101
PEDW 2522

Sophomore Year

Fall Semester

ENGL 2111 or ENGL 2112
GEOG 1231
HIST 2111 or HIST 2112
PHIL 2000 or PHIL 2002
SPAN 1102 (SPAN 1101 if
needed)
EDUC 2000
PEDW activity course

Spring Semester

EDUC 2110
EDUC 2120
EDUC 2130
EDUC 2110P
Three courses in areas of
concentration as specified in
Area F

Special Content for Education (may be taken at any time in the program)

READ 3823 – Expanding Literacy in the content Areas

EDUC 2503 – Exceptionalities and Instruction

During the sophomore year, education majors should take EDUC 2000 to prepare for the Georgia Assessments for Certification in Education (GACE) Basic Skills Examination in reading, writing, and mathematics. Passing all parts of this assessment is required for admission to any teacher education program. See Admission Requirements listed in a previous section of this area.

FOLLOWING ADMISSION TO THE PROGRAM:

Junior Year

Fall Semester

EDMG 3131
EDMG 3132
Both of the Special Content courses
Two concentration content courses

Spring Semester

EDMG 3332
EDMG 3432
EDMG 3731
Two concentration content
courses

Senior Year

Fall Semester

EDMG 3532
EDMG 3232
EDMG 3732
Two concentration content courses

Spring Semester

EDMG 4895 -Directed
Teaching/Seminar
GACE content assessment
seminars

**Bachelor of Science in Education with a Major in
Early Childhood/Special Education**

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Freshman Year

Fall Semester

ENGL 1101
MATH 1111
BIOL 1104K
HIST 1111 or HIST 1112
FVSU 0100
PEDW 1402

Spring Semester

ENGL 1102)
Area B elective
COMM 1110
PHSC 1101
CSCI 1153
POLS 1101
PEDW 2522

Sophomore Year

Fall Semester

ENGL 2111 or ENGL 2112
GEOG 1231
HIST 2111 or HIST 2112
PHIL 2000 or PHIL 2002
SPAN 1102 (SPAN 1101 if needed)
EDUC 2000
PEDW activity course

Spring Semester

EDUC 2110
EDUC 2120
EDUC 2130
EDUC 2110P
Math 2008
ITEC 2433

Special Content for Education (may be taken at any time in the program)

READ 3820– Expanding Literacy in the Content Areas

EDUC 2503 – Exceptionalities and Instruction

During the sophomore year, education majors should take EDUC 2000 to prepare for the Georgia Assessments for Certification in Education (GACE) Basic Skills Examination in reading, writing, and mathematics. Passing all parts of this assessment is required for admission to any teacher education program. See Admission Requirements listed in a previous section of this area.

FOLLOWING ADMISSION TO THE PROGRAM:

Junior Year

Fall Semester

ISCI 2001
ECSP 3131
ECSP 3132
Math 3100
ECSP 3020

Spring Semester

ISCI 2002
ECSP 3332
ECSP 3432
ECSP 3731
Math 3510
ECSP 3000

Senior Year

Fall Semester

ECSP 3532
ECSP 3232
ECSP 3732
ECSP 4020
Math 3400
ECSP 4010

Spring Semester

ECSP 4895 Directed Teaching/Seminar
GACE content assessment seminars

Minor in Education

Students who seek a minor in education are encouraged to speak with the Dean of the College of Education or with the Chair of the Department of the program in which the minor is sought.

A minor in education will not yield enough content or pedagogy for certification. However, having a minor might indicate to a prospective employer the applicant's seriousness about teaching. Additionally, in some circumstances, the courses required in the education minor may be credited toward completion of a program at a post-baccalaureate or Master's of Arts in Teaching (MAT) level program. Such credit can only be determined by the institution offering the post-bacc or

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MAT program. Full certification can be achieved only through the completion of an approved Educator Preparation Program.

Because a minor does not lead to certification by itself, the courses included are generic; in other words, they are common to most programs. The courses included in the FVSU education minor are also required by the State of Georgia for all educators. The courses are:

Course Number	Course Title	Credit Hours
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3
EDUC 2120	Exploring Socio-Cultural Perspectives on Diversity in Education	3
EDUC 2130	Exploring Teaching and Learning	3
EDUC 2110P	Pre-Professional Block Practicum (50 hours of supervised field experience coordinated with the courses above)	0
EDUC 2503	Exceptionalities and Instruction	3
READ 3823	Expanding Literacy Across the Content Areas in Middle Grades OR	3
READ 3820	Expanding Literacy Across the content Areas in ECE/Sp. Ed	3
EDMG 3132	Classroom Management Strategies (Middle Grades) OR	3
ECSP 3132	Classroom Management Strategies (Early Childhood/Sp. Ed.)	3
Total Hours		18

In addition to the courses listed above, the CoE faculty recommends that the student seeking a minor in education take other courses if possible: at least one classroom management course, one methods course closely related to his/her intended teaching field, and a course in instructional technology. Currently, FVSU offers the following:

EDMG 3232	Methods of Teaching Science in the Middle Grades	3
EDMG 3332	Methods of Teaching Language Arts/Reading in the Middle Grades	3
EDMG 3432	Methods of Teaching Social Studies in the Middle Grades	3
EDMG 3532	Methods of Teaching Mathematics in the Middle Grades	3
ITEC 2120	Introduction to Instructional Technology	3
ITEC 2433	Instructional Technology for the Middle Grades Teacher	3

Students seeking a Minor in Education are encouraged to take as many as possible of the courses listed above in order to increase marketability and progress toward certification and advanced degrees.

Post-baccalaureate Certification in Middle Grades Education

Fort Valley State University and the College of Education offer a certification program for persons who have an undergraduate degree from a regionally accredited college or university and who following graduation wish to become certified to teach. The program begins with an evaluation of the applicant's undergraduate transcript to determine the courses needed to complete the program. Whenever possible, the applicant is credited with all core courses that are mandated by his/her selected program and all upper level content courses in his/her chosen teaching fields (middle grades majors must have two teaching fields).

Although every effort is made to accommodate individual needs, the post-baccalaureate certification program must require applicants to complete a full range of pedagogical course work, including a minimum of 900 hours field and clinical experiences in public schools. The length of time required to finish the program will vary depending upon an applicant's prior coursework in pedagogy and content; however, the minimum length is two years with some summer work for content.

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Requirements for admission to a program are the same as for the undergraduate program except that the applicant to the post-baccalaureate program must have a degree from a regionally accredited college or university and a GPA of 2.5 or better.

Applicants who earned a minor in education at the undergraduate level will be given credit whenever possible for that pedagogical coursework.

ACRONYMS and COURSE DESCRIPTIONS

ACRONYMS for UNDERGRADUATE COURSES

ACCT	Accounting
AENT	Agricultural Engineering Technology
AGEC	Agricultural Economics
AGED	Agriculture Education
ANSC	Animal Science
ARTH	Art
BHSC	Behavioral Science
BIOL	Biology
BOTN	Botany
BUSA	General Business
CHEM	Chemistry
COMM	Communications
CRJU	Criminal Justice
CSCI	Computer Science
CSIS	Computer Information Systems
DRAM	Drama
ECSP	Early Childhood Education/Special Education
ECON	Economics
ECPT	Early Childhood Preschool
EDMG	Middle Grades Education
EDUC	Education
EEGG	Engineering
ELET	Electronic Engineering Technology
ENGG	Engineering
ENGL	English
EPSY	Educational Psychology
FCSC	Family and Consumer Sciences
FDNU	Food and Nutrition
FREN	French
FVSU	Orientation
GEOG	Geography
GEOL	Geology
HPED	Health and Physical Education
HIST	History
HLTH	Health
HORT	Horticulture
HUMN	Humanities

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ICDV	Infant and Child Development
IGBO	IGBO
MATH	Mathematics
MCMM	Mass Communication
MILS	Military Science
MKTG	Marketing
MNGT	Management
MUSC	Music
PBSV	Public Service
PEDW	Physical Activities
PHED	Physical Education
PHIL	Philosophy
PHSC	Physical Science
PHYS	Physics
POLS	Political Science
PSCI	Plant Science
PSYC	Psychology
READ	Developmental Reading
RGTR	Regent's Reading
RGTW	Regent's Writing
SCIE	Science
SEDL/SEDM	Secondary Education
SOCI	Sociology
SOWK	Social Work
SPAN	Spanish
SSCI	Soil Science
VETY	Veterinary Science
ZOOL	Zoology

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Accounting (ACCT)

- ACCT 2101 Principles of Accounting I** **3 Credits**
Students study the underlying theory and application of financial accounting.
- ACCT 2102 Principles of Accounting II** **3 Credits**
Prerequisite: ACCT 2101
Students study the underlying theory and application of managerial accounting concepts.
- ACCT 3103 Intermediate Accounting I** **3 Credits**
Prerequisite: ACCT 2102
Students learn accounting theory and practice. The course presents a need for the development of accounting concepts and principles. Also, given is a presentation of current developments in the methodology for the accumulation of data necessary for the preparation of various working papers and financial statements. Applicable generally accepted accounting principles (GAAP) are discussed fully.
- ACCT 3113 Intermediate Accounting II** **3 Credits**
Prerequisite: ACCT 3103
Students learn accounting theory and practice for long-term liabilities; stockholders equity; investments; revenue recognition; accounting for income taxes, pensions and post-retirement benefits, and leases. Also, the course encompasses instruction on accounting analyses and accounting disclosures.
- ACCT 3123 Managerial Accounting** **3 Credits**
Prerequisite: Junior standing
Students learn how managers use accounting data to carry out the essential functions in an organization. Students also learn what kind of information is needed, where this information can be obtained and how this information can be used by managers as they carry out their planning, controlling and decision making responsibilities.
- ACCT 4103 Individual Income Tax** **3 Credits**
Prerequisite: Senior standing
Students learn the applicable laws of taxation and will apply those laws to prepare and analyze tax returns and tax problems. Students also learn the methods of tax research and the application of computers in the preparation of tax returns.
- ACCT 4113 Government Not-For-Profit** **3 Credits**
Prerequisite: Senior standing
Students learn the theories and practices applicable in accounting for both governmental and not-for-profit entities. Students also learn the classification and use of the various funds, budgeting, fiscal procedures, reports and financial statements peculiar to these entities.
- ACCT 4123 Cost Accounting** **3 Credits**
Prerequisite: ACCT 2102
Students learn the specialized field of accounting that records, measures and reports information about how much things cost. Students also learn how accounting cost data are accumulated and used by management for planning and control.
- ACCT 4133 Advanced Accounting** **3 Credits**
Prerequisites: ACCT 3103, 3113
Students apply accounting theory to special problems related to partnerships and corporations. This includes the formulation, dissolution and liquidation of partnerships. Other topics include

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the treatment of installment sales, consolidated financial statement preparation and problems, home and branch office accounting and an introduction to estates and trusts.

ACCT 4143 Auditing **3 Credits**

Prerequisites: ACCT 3103, ACCT 3113

Students learn to integrate theory and concepts with auditing methodology and practice. Emphasis is placed on the professional responsibilities of independent auditors, including the role of auditing in business, government, society and the international arena. Additionally, the course will provide a comprehensive and an integrated coverage of the latest developments in the environment, the standards and the methodology of auditing.

ACCT 4153 Accounting Theory **3 Credits**

Prerequisites: ACCT 3103, ACCT 3113

Students gain knowledge of the basic assumptions, definitions, principles and concepts (and how they have been derived which) underlie accounting rule-making by a legislative body and the reporting of accounting and financial information. Extensive discussion continues as to what these basic assumptions, definitions, principles, and concepts should be. Topics discussed include accounting history, directions of accounting research, the standard setting process, accounting regulation and approaches to accounting education.

ACCT 4163 Accounting Information Systems **3 Credits**

Prerequisites: ACCT 3103, 3113

Students acquire knowledge about the capturing, the storing, the processing, and the communicating of accounting information. Students learn how accounting information systems meet an organization's statutory requirements with reliable accounting information provided to those who need the information.

Agricultural Engineering Technology (AENT)

AENT 1802 Introduction to Computer Applications **3 Credits**

The use of computers as problem-solving tools pervades all scientific career disciplines. Students use computers effectively in their academic and professional careers by gaining experiences with a wide variety of computer applications including: spreadsheets, databases, Internet applications, and special, discipline-oriented software. Assigned projects involving computer applications in real-world problem scenarios will allow students to develop problem-solving abilities using computers.

AENT 1813 Engineering Graphics **3 Credits**

Students understand the fundamentals of mechanical drafting and learn to communicate graphically using diverse graphic media. Students learn to employ drafting instruments and techniques required to produce professional drawings, maps and graphs. Experience with state-of-the-art computer-aided graphics technology is provided.

AENT 2803 Wood and Metal Technology **3 Credits**

Students develop skills and techniques used in carpentry and metal working. Students apply design and construction theory using computer simulations, hand and power woodworking tools, arc welders, cutting torches, sheet metal and soldering tools.

AENT 2812 Farm Power and Machinery Technology **2 Credits**

Students operate, care for, repair and select farm machinery (tractors and small engines) and electrical circuits. Students learn to identify alternative energy sources.

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AENT 2823 Soil and Water Conservation **3 Credits**

Students learn the fundamentals of hydrology as applied to rainfall-runoff processes. Students apply these fundamentals to understanding various methods and systems for mitigating soil erosion and for conserving water. Students investigate and discuss current issues and topics such as best management practices, precision agriculture and sustainable agriculture.

AENT 2833 Surveying **3 Credits**

Students learn the fundamentals of land surveying methods and computations and become familiar with surveying instruments from the simple level to the computerized total station. Students complete field and laboratory exercises in horizontal and vertical measurements, traversing, triangulation, spatial data analysis, and mapping.

AENT 3803 Buildings and Related Structures **3 Credits**

Prerequisite: AENT 2803

Students learn to select buildings, structures and equipment which contribute to the highest possible net profits. Students learn how to plan for flexibility necessary to avoid losses resulting from obsolescence.

AENT 3813 Air Conditioning and Refrigeration **3 Credits**

Prerequisites: PHYS. 1111, PHYS. 1112

Students apply thermodynamics, fluid mechanics, and heat transfer to the design of heating, ventilating and air conditioning systems. Students understand the principles of operation and the selection of equipment.

AENT 3823 Electricity/Electronics Application to Agriculture **3 Credits**

Prerequisite: MATH 1113

Students understand the use of electrical power using various units of equipment and systems for heating, cooling, lighting, labor-saving devices and controls. Students gain practical experience in electrical wiring design and with selecting, using and controlling electrically operated equipment in farming operations.

AENT 3832 Instrumentation **2 Credits**

Students learn how to measure physical and environmental variables important in the production and processing of food, feed and fiber. Through hands-on experience with sensors and other measurement instrumentation, students capture and analyze data critical to planning and design.

AENT 3843 Introduction to Materials **3 Credits**

Students develop an understanding of the characteristics, composition, identification and structure of materials used in engineering, manufacturing and farm buildings. Students plan, make design considerations and do cost estimation for agricultural structures.

AENT 3853 Power for Agriculture **3 Credits**

Prerequisite: Junior standing

Students study the fundamentals of design, operation, performance and maintenance of tractors and their internal combustion power units as used on farms. Students experience the selection, service and repair of farm tractors.

AENT 3862 Cooperative Education **2 Credits**

Students are involved in work experiences coordinated with cooperating agencies and industries. Students will submit a written report of their activities and give an oral presentation to other students and faculty upon returning to campus.

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AENT 4803 Handling and Processing of Agricultural Products **3 Credits**

Prerequisite: AENT 3823 or Senior standing

Students develop an understanding of principles and techniques used in handling and processing agricultural products. Students solve practical problems involving the cleaning, sorting, drying and handling of agricultural products.

AENT 4813 Soil, Water, and Natural Resource Conservation **3 Credits**

Students are introduced to the principles of the hydrologic cycle. These concepts are then used to guide students through a study of the erosive forces of water and wind and the design of conservation practices to control them. Students learn to analyze planning and management alternatives for irrigation and drainage systems as well as assess the quality and quantity of water for agricultural uses.

AENT 4823 Electric Motors and Control **3 Credits**

Prerequisite: AENT 3823

Students learn the characteristics and applications of basic electric machinery; AC and DC generators, AC and DC motors, transformers, and feedback control. Students gain hands-on experiences in basic control circuits, and in the application of programmable controllers for industrial controls.

AENT 4833 Machinery for Agriculture **3 Credits**

Prerequisite: AENT 3853

Students learn the operation principles of agricultural machines used in tillage, planting, pest control and harvesting. Students demonstrate safe operations, the maintenance, calibration, and skills in adjusting of agricultural machinery.

AENT 4843 Reinforced Concrete **3 Credits**

Prerequisite: AENT 3843

Students learn to plan and determine when reinforced concrete members should be used in construction. Students learn to select and specify concrete and reinforcing materials, type of mixture and physical properties of concrete. Students apply this knowledge to the study of many types of structural members including: concrete slabs, beams, columns, footings and walls.

AENT 4853 Water Resources Technology **3 Credits**

Students understand the fundamentals of a broad range of water supply and water quality problems, including pumps and pumping, water storage, waste treatment, point and non-point source pollution as they impact both surface and ground water systems.

AENT 4863 Power Transmission **3 Credits**

Prerequisite: AENT 3853

Students understand the methods of transmitting power. In particular, students will focus on the fundamentals, operation, and safety of hydraulic systems used in farm power units. Students demonstrate the ability to design, select, operate, and maintain power transmission systems.

AENT 4873 Structures and Environments **3 Credits**

Prerequisite: AENT 2803

Students learn important aspects in the selection, planning, and use of modern buildings and structures as determined by the environmental requirements of plant and animal growth, storage of biological products, machinery storage, human occupancy, and economic considerations. Practical problem solving guides the students' study of heat and cooling loads,

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space utilization, ventilation requirements and energy conservation in building planning and use.

AENT 4881 Senior Seminar

1 Credit

Students interact with visiting agricultural engineering professionals and learn more about present aspects of their professional experience. Students develop a professional résumé and prepare for job interviews. This interactive dialogue stimulates and facilitates the students' entry into the professional world.

AENT 4903 Special Topics and Projects in Agricultural Engineering Technology

3 Credits

Students undertake a special semester project or course of study, approved by the instructor, in any agricultural engineering technology emphasis area that is of interest to the student (power and machinery, soil and water, processing, structure and environments) and may entail course work, laboratory work, field work, computer applications or literature investigations. Examples of special topics may include: special course work tailored to meet the individual interests of the student, assisting with faculty research involving either field or lab activities or the completion of a design project.

Agricultural Economics (AGEC)

AGEC 1801 Introduction to Agricultural Economics

2 Credits

Students are introduced to the application of economic principles of production, supply and demand to problems of agriculture and related industries. Students apply these principles to economizing scenarios faced by farmers, agribusiness and public administrators. Students also apply these principles to decision making in agricultural policy, farm management, foreign trade, marketing and national resources relative to rural and regional economic growth.

AGEC 2802 Farm Management

3 Credits

Prerequisites: AGEC 1801, ECON 2106 or permission of instructor

Students learn the basics of management, some unique characteristics of farm and ranch management, the role of managerial effectiveness and the materials and methods used in analyzing management problems in the decision making process. Students also identify and discuss planning, organizing, actualizing, controlling, directing and implementing the most important management functions.

AGEC 2803 Introduction to Agricultural Sales

2 Credits

Prerequisite: AGEC 1801 or permission of instructor

Students are introduced to concepts and theory in agricultural sales. Students use reasoning and sales methodology to master sales approaches, both in pricing and non-pricing competition.

AGEC 3813 Agricultural Finance and Records

3 Credits

Prerequisites: ECON 2106, ACCT 2103

Students learn the fundamental principles of credit and finance as applied to agriculture, capital and credit need of farmers and agencies supplying credit, problems of borrowers and lenders and strengths and weaknesses of the present credit system; to include a survey of legislation designed to deal with the credit problems of farmers. Additionally, students learn the fundamental principles of accounting, types and uses of farm records; analysis of farm records with an emphasis on improving efficiency; interpretation of income tax regulations, preparation of farm income tax returns and the effects of income tax alternatives on farm income after taxes.

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AGEC 3833 Land Economics **3 Credits**

Prerequisites: AGEC 1801, ECON 2106 or permission of instructor

Students learn the functions of land in economic life; the effects of social, economic and institutional factors on land and the land resource base; principles of land values, development, property and tenure rights, and population pressures and the demand for land. Students also identify and discuss land resource values and real estate, the use of real estate credit, the effects of taxes on land ownership and the public's direction on land use.

AGEC 3843 Research Methods **3 Credits**

Prerequisites: ECON 2106, ECON 3103, and junior standing

Students will be introduced to selected methods of scientific inquiry which are reliable, relevant and useful in the solution of problems significant to the agricultural economy. Such selected methods include, but are not limited to, parametric and non-parametric techniques, correlation analysis, regression analysis, linear programming, conjoint analysis and quadratic programming.

AGEC 3853 Cooperative Education/Internship **2 Credits**

Prerequisites: AGEC 1801, or junior standing or permission of instructor.

Students are introduced and assigned to a supervised work experience program in a public or private agribusiness or a related agricultural organization. The students' program is planned and coordinated with the overall purpose of providing structured "hands-on" experiences.

AGEC 4813 Agricultural Price Analysis **3 Credits**

Prerequisite: ECON 2105, ECON 3203 or ECON 3213

Students identify, discuss and apply economic principles and statistical techniques to agricultural prices and analyze agricultural prices and price movement with respect to time, space and form; methods of price forecasting; roles of public and private institutions in price setting.

AGEC 4823 Marketing Agricultural Products **3 Credits**

Prerequisites: AGEC 1801, AGEC 3803 or permission of Instructor

Students learn the functions of marketing and the marketing system, the framework of the marketing problem in food and agriculture, and the unique attributes of grading, shipping, methods of sales, consumer demands and channels through which farm products move from producers to consumers.

AGEC 4833 Agricultural and Food Policy **3 Credits**

Prerequisites: ECON 2105, ECON 2106

Students identify and discuss a brief overview of agricultural policies and problems, both past and present, which affect agriculture. They conduct an evaluation of current support programs and programs to aid low income and disadvantaged families, including the use of economic and business principles to appraise current and potential agriculture and food policies of the future.

AGEC 4843 Production Economics **3 Credits**

Prerequisites: ECON 2106, ECON 3103, ECON 3113

Students are introduced to the theory of production; efficiency in the use of resources, uncertainty in the farm business; evaluation of investment alternatives, location of agricultural production.

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AGEC 4853 Natural Resources Economics **3 Credits**

Prerequisites: AGEC 1801, ECON 2105, ECON 2106

Students learn the fundamentals of economics and applications related to natural resources and comparable problems. Students identify and discuss the formulation of basic theoretical concepts in natural resources with emphasis on case studies applicable to land, water, air, fisheries and wildlife, minerals and recreation resources and the role of natural resources in the economic growth of the farm sector.

AGEC 4863 Forest Resource Economics **3 Credits**

Prerequisites: AGEC 1801 or PSCI 1804; ECON 2106

Students are introduced to timber products economics, timber production economics, and products economics as these concepts relate to general forestry principles and the economy. Students understand the importance of timber to Georgia and the U. S. economies. Emphasis on lumber, plywood, and other wood product industries will also be stressed, especially on factors that influence timber production and taxes on timber, lumber, plywood and other wood products. Additionally, timber demand, supply, price, policy and multiple use of timber as they relate to recreation, wildlife, water and watershed management and other uses such as Naval stores will be discussed.

AGEC 4864 Special Problems in Agricultural Economics **3 Credits**

Prerequisites: Senior standing or permission of instructor

Students are introduced to agricultural economic research methods through the assignment of special research problems related to agricultural credit and finance; agricultural marketing and resource valuation; statistical analysis. Students are supervised on an individual basis by an appropriate faculty member. Students complete an original research manuscript for presentation and discussion.

AGEC 4873 Agricultural Cooperative Structures **2 Credits**

Prerequisites: AGEC 1801 or AGEC 3803, ECON 2106

Students study the organization, financing and management of various types of cooperatives and purchasing associations. Special emphasis is given to the analysis of principles, practices and problems unique to cooperatives, their structure and performances.

AGEC 4881 Seminar **1 Credit**

Prerequisites: Junior Standing and/or Permission of Instructor

Periodic discussions of papers presented by senior agricultural economics majors related to current issues affecting agriculture. Individuals well-known for some specific aspect of agriculture economics and/or persons from local, state and federal agencies dealing with agriculture will be invited to speak on a periodic basis.

AGEC 4883 Commodity Futures and Options Markets **3 Credits**

Prerequisites: AGEC 1801, ECON 2106 or Permission of Instructor

Students are introduced to the Commodity Futures Trading Commission (CFTC), the Chicago Board of Trade (CBOT), and the Chicago Mercantile Exchange (CME) and their relationships with the general marketing system. Specifically, emphasis is placed on the market structure and how it operates and the nature of newsprint quotes and real-time interactive price quotes on selected commodities. Additionally, students are introduced to futures and options contracts and contract specifications, and the role of the Futures' Market to include: (1) a price discovery mechanism, (2) a management facilitation mechanism (3) tools to secure operating and/or equity capital, and (4) as a resource for decision making serve farmers and agribusiness firms.

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Agriculture (AGRI)

AGRI 1801 Agricultural Orientation **1 Credit**

Students participate in online discussions on the various disciplines of agriculture as related to academic preparation, organization of state and federal agencies and employment possibilities in agriculture.

AGRI 1802 Horse Ride I **1 Credit**

Students develop motor skills and learn fundamental techniques required for successful participation in horsemanship events. Completion of this course fulfills one hour of required physical education activity.

AGRI 1803 Horse Ride II **1 Credit**

Students develop motor skills and learn advanced techniques required for successful participation in horsemanship events. Completion of this course fulfills one hour of required physical education activity.

Animal Science (ANSC)

ANSC 1801 Social Interaction and Behavior of Animals **1 Credit**

Students are introduced to laws, rules, regulations, and policies governing the welfare of animals in agricultural research, teaching, and testing. Students are exposed to the importance of understanding animal behavior science (etiology) so that they are able to appreciate fully the symbiotic relationship between animals and humans.

ANSC 1811 Introduction to Animal Agriculture **1 Credit**

Students are exposed to the significance of animals as sources of food, fiber and other animal products. Opportunities widely available in the field of animal science are made known.

ANSC 2803 General Animal Science **3 Credits**

Students gain knowledge and practical experiences in the scientific principles associated with genetics and breeding, nutrition and feeding, processing and the utilization of animal products, animal sanitation and disease control, and the proper care and use of farm and companion animals.

ANSC 2813 Biotechnology in Animal Science **3 Credits**

Students are exposed to recent molecular biology techniques in the field of animal science such as genetic engineering, embryo transfer techniques, cloning, sex control, and recombinant DNA technology.

ANSC 3803 Incubation and Brooding **3 Credits**

Students learn the major aspects of poultry management systems including incubation of eggs and the brooding of chicks.

ANSC 3813 Meat Science **3 Credits**

Students acquire knowledge of the structure, chemistry, and nutrient composition of animal tissues. Quality factors in meat foods, meat storage, preservation, canning and packaging are understood.

ANSC 3823 Anatomy and Physiology of Domestic Animals **3 Credits**

Students acquire knowledge of the basic anatomic and physiologic systems of domestic animals including the various body systems that permit livestock to survive and interact with

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their environment.

ANSC 3833 Swine Production

3 Credits

Students learn the importance and characteristics of the U. S. swine industry. Special emphasis is placed upon selection, breeding and feeding processes, as well as knowledge of the facility and equipment needs. Students acquire knowledge of the marketing and management expertise required for a profitable swine enterprise. During laboratory periods, students acquire management skills associated with swine production.

ANSC 3843 Livestock Judging

3 Credits

Students gain a thorough knowledge of the comparative judging of swine, beef cattle, dairy cattle, sheep and horses as well as defend their ratings in written and oral presentations. Students identify and characterize various breeds of livestock.

ANSC 3853 Beef Cattle Production

3 Credits

Students acquire a full understanding of breed characteristics of the modern beef cattle. Special emphasis is placed upon the selection, breeding, nutrition and feeding, equipment needs, marketing and management required for a profitable beef cattle enterprise.

ANSC 3863 Dairy Cattle Production

3 Credits

Students acquire a basic understanding of approved management systems of dairy cattle, lactation physiology, and the care and handling of milk on the farm. Feeding, judging and selection of dairy cattle skills are enhanced.

ANSC 3873 Basic Animal Nutrition

3 Credits

Students apply their knowledge of chemistry and physiology in determining the nutrient requirements for the maintenance, growth, reproduction, work, and lactation needs of livestock and companion animals.

ANSC 3883 Applied Animal Nutrition

3 Credits

Students acquire a detailed theoretical and practical knowledge of the chemical composition of feed stuffs, and how to blend feed ingredients into balanced rations for farm livestock and companion animals.

ANSC 3891 Cooperative Education in Animal Science

1 Credit

Students work under the supervision of individual research scientists and agricultural and/or federal agents and within private organizations to acquire real-life experiences in the field of animal science.

ANSC 3913 Poultry Management

3 Credits

Students acquire knowledge of the principles and practices of poultry management and breeding with special emphasis on poultry physiology, nutrition, environment, health, and economics.

ANSC 4803 Poultry Nutrition

3 Credits

Students apply principles of poultry nutrition to avian species. Biochemical aspects of individual nutrients and their supply in terms of feed stuffs and practical poultry diets will be understood.

ANSC 4813 Animal Breeding

3 Credits

Students advance their knowledge of animal genetics and statistics using inheritance parameters to select and develop animals for improved performance and disease resistance.

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ANSC 4822 Senior Research **2 Credits**
Students learn systematic and scientific ways of developing theories, designing research protocols, conducting research, compiling results and preparing written scientific reports.

ANSC 4833 Reproductive and Cell Physiology **3 Credits**
Students gain an understanding of the anatomy and physiology of male and female reproductive systems, the mechanisms controlling reproduction and the application of biotechnology in animal reproduction.

ANSC 4841 Animal Science Seminar **1 Credit**
Students organize presentations of scientific data using the latest technology available, and demonstrate effective professional and interactive discussions with their peers and faculty.

ANSC 4853 Animal Products Technology **3 Credit**
Students demonstrate the proper methods of processing animals or their products for human food. Students develop value-added milk or meat products, and demonstrate the techniques of food preservation and quality control procedures.

ART (ARTH)

ARTH 1000 Art Appreciation **3 Credits**
Students learn to identify the major characteristics of the world of art and cultures and explore creative thinking techniques. Students examine the political and social conditions that influenced architecture, painting, and sculpture from ancient times to the 21st century.

ARTH 1112 Basic Design I **2 Credits**
Students develop the theoretical foundation and the skills of design and color theory as they relate to the production of art and graphic communication.

ARTH 1123 Basic Design II **3 Credits**
Students develop creative techniques and strategies and develop the skills needed for composing inventive artwork pertinent to typography design and layout. Students develop the essential skills needed to communicate appropriate perspective towards graphic design and advertising.

ARTH 2000 Art History **3 Credits**
Student use analytical and observational skills to explore the nature, vocabulary, media and history of art. Student examine artists and cultures from the Renaissance to the Modern World.

ARTH 2103 Drawing **3 Credits**
Students acquires the skills and ability to draw numerous objects and to explore personal capabilities in drawing.

ARTH 2113 Illustration I **3 Credits**
Students develop personal views and abilities in illustration. Students are introduced to the scope of the field, including marketing considerations, stylistic influences, historical perspectives and the role of the illustrator as a member of the communication industry.

ARTH 2123 Illustration II **3 Credits**
Prerequisite: ARTH 2113 or Illustration I
Students explore an in-depth presentation of practical illustration assignments. Emphasis is placed on conceptual thinking and the creation of original and personal solutions through

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various media. Students are required to explore the business of illustration as a commercial designer through the process of setting up a business and creating effective methods of self-promotion.

ARTH 2302 Printmaking I **2 Credits**

Students are introduced to the printmaking processes, the creative concepts and the development of personal imagery in the reproductive arts. Students develop formative approaches to wood cuts, linocuts, collage and experimental relief media. Various printing techniques are emphasized along with color registration procedures and inking techniques.

ARTH 2312 Typographic Design **2 Credits**

Students examine the history, design, and execution of type and lettering for reproduction. Students demonstrate the use of type as a basic element of graphic communication, the different type faces to visually communicate the desired effect, the appreciation of type forms, the modern process of type compositions and problems and assignments revolving around the theoretical use of type and its practical applications with computer and print technologies.

ARTH 2322 Visual Communication I **2 Credits**

Students explore the basic principles, practices, and categories of visual communication. Students travel from the basic dot and line elements, to confrontations of elements, to practical letters and signs as the vehicle of visual and written expression. The theoretical approach is designed to increase awareness of the visual form in two-dimensions as a language. The two-dimensional design area includes an investigation of the components and interactions basic to creativity in the visual arts. Students must be able to present quality art work that reflects a high level of communication skills.

ARTH 2333 Design Procedures I **3 Credits**

Students develop skills needed to use a variety of materials and equipment as they relate to the commercial designer. Students develop knowledge of design processes which will be useful in exploring designs, layout and placement and proper use of equipment.

ARTH 2343 Package Design **3 Credits**

Students explore the fundamental and conceptual developments of product design construction that represent successful solutions to contemporary packaging problems. The course explores aesthetics, fashion, taste and the reputation of the designer or manufacturer of certain products. Each student is expected to develop graphic and verbal articulation skills in package design. In addition, imaginative use of materials and surface graphics as well as marketing and production problems are explored.

ARTH 2363 Introduction to Computer Graphics **3 Credits**

Students develop computer knowledge and skills that provide a vehicle for unlimited graphic solutions and explore the basic computer configurations, software usage and output production devices.

ARTH 2383 Painting I **3 Credits**

Students develop computer knowledge and skills that provide a vehicle for unlimited graphic solutions and explore the basic computer configurations, software usage and output production devices.

ARTH 3000 Twentieth-Century Art and Beyond **3 Credits**

Students explore the major works of painting, sculpture, and architecture from the beginning of the twentieth-century through postmodernism. Students will explore the development of style and the social, religious, and political forces of artistic production.

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ARTH 3103 Drawing II

3 Credits

Prerequisite: ARTH 2103

Students will explore creative ways to draw the human anatomy and to enhance drawing skills by rendering figurative drawings using various media and techniques. Students will explore various figurative drawings by utilizing proper procedures to drawing figures that reflect naturalism, abstraction and expressive/gestural approaches.

ARTH 3113 Art Direction I

3 Credits

Students learn about the art director's involvement with the working processes and procedures in design studios and advertising agencies. Students examine problems ranging from conceptualization and integrated design, through personal interaction with clients and other professional personnel to finished examples of the printed or published art work.

ARTH 3302 Printmaking II

2 Credits

Prerequisite: ARTH 2322 or Printmaking I

Students examine the screen printing processes in the commercial design industry. Students are introduced to basic and traditional stencil processes and progress to more advanced principles and techniques of photographic stencil making. Students develop the ability to use this remarkable medium by exploring the creative possibilities during various projects and the production of final editions.

ARTH 3322 Visual Communication II

2 Credits

Prerequisite: Visual Communication I

Students explore the vital communication needs of the designer and client relationships in an agency or studio setting. Specific research, analysis, and solutions are explored, using the Fort Valley State University campus as the ideal client. Students examine image enhancing techniques and produce visual solutions of their findings. Students are encouraged to think about market influences and graphic designs in solving visual related campus problems. The instructor serves as the creative/art director and relays specific jobs and tasks to the employees/students.

ARTH 3353 Advertising Procedures

3 Credits

Students explore the major movements of contemporary advertising procedures in relation to ideas they transmit and the interaction with graphic design, print, and film. Students learn how to argue graphically, verbally, in print and on film to solve specific design problems. Students explore the relationships among personality, the written word and the image. This interaction, as it exists in advertising between copy and illustration, in editorial between photo and caption and in film between dialogue and corrected image, is the basis of all graphical thinking.

ARTH 3363 Computer Graphics I

3 Credits

Prerequisite: ARTH 2363 or Introduction to Computer Graphics

Students develop the general operational features of a variety of computer software packages that relate specifically to commercial design. Students explore various external peripheral devices that aid in the development of graphic solutions and the appropriate output devices for each solution.

ARTH 3373 Computer Graphic Graphics II

3 Credits

Prerequisite: ARTH 3363 or Computer Graphics I

Students demonstrate the development of a digital art portfolio. Students utilize the essential skills of computer graphics along with numerous software programs to produce ten quality conceptual pieces of art work.

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ARTH 3393 Computer Graphics III **3 Credits**

Prerequisite: ARTH 3363 or Computer Graphics I

The student will demonstrate a comprehensive and in-depth knowledge of the fundamentals of effective web design and site construction. The student will utilize the essential skills of computer graphics with an emphasis on optimizing graphics in interactive web sites employing animation and multimedia.

ARTH 3405 Curriculum and Materials In Art **3 Credits**

This course introduces the students to a sequence of experiences that are designed to examine the art curriculum and the interests, abilities, and needs of children at different levels of growth.

ARTH 4113 Senior Project I **3 Credits**

Students engage in an independent development of projects in graphic design and other specified commercial design disciplines. Students are required to function as a mature designer capable of professional quality projects for the development of a well-rounded and job seeking portfolio.

ARTH 4123 Senior Project II **3 Credits**

Students engage in an independent study project in graphic design and other specified commercial design disciplines. Students are required to function as mature designers capable of producing professional quality projects for the development of diverse and senior level portfolios.

ARTH 4163 Internship **12 Credits**

Students are employed in a professional working environment that provides practical experience in the area of commercial design. Students work in an approved agency or design studio that needs assistance in design, computer graphics, layouts, display design or some other area of the design spectrum. Students work under the supervision of the instructor of the course and a graphic art mentor from the approved agency or design studio.

ARTH 4999 Independent Study **3 Credits**

Students are involved in an independent concentrated study of individual projects and research designed to enhance their portfolio and senior exhibition. Course may be repeated by permission of Instructor.

Behavioral Science (BHSC)

BHSC 2300 Behavioral Science Statistics **3 Credits**

Prerequisite: MATH 1111 or MATH 1101

Students will be introduced to the analysis of quantitative data in the behavioral sciences. Students will learn the utilization of descriptive and inferential statistics as they relate to the interpretation of data using SPSS and other analytical tools.

Biology (BIOL)

BIOL 1101 Introduction to Biology **1 Credit**

Students use computers and software necessary for successful completion of their course of study. Students gain a knowledge of the variety of careers in biology and related areas as well as opportunities in their chosen careers.

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BIOL 1104K Biological Science **4 Credits**
Students gain an intelligent knowledge of the biological principles which contribute to their understanding of themselves and the world in which they live.

BIOL 1105 Environmental Science **3 Credits**
Students gain an awareness of the fundamental principles of ecology, biology, and chemistry for a better understanding of the relationships between humans and their environment. Students form a knowledge base for evaluating personal, societal and political choices on environmental issues, especially those affecting human health.

BIOL 1181K Honors Biological Science **4 Credits**
Honor students explore special topics related to understanding themselves and the world in addition to increasing their knowledge of biological principles. Students are required to utilize critical thinking skills and all available resources and technologies during the course.

BIOL 1107K Principles of Biology I **4 Credits**
Students acquire basic principles and concepts of biology to include the structure and function of cell and organisms and the organization and requirements of living systems. Students distinguish and differentiate between the functions of biological systems on the subcellular, cellular, organismal and ecosystem levels.

BIOL 1108K Principles of Biology II **4 Credits**
Prerequisite: BIOL 1107K
Students acquire basic principles and concepts of biology to include a special emphasis on human systems to be compared to the organization and requirements of other living organisms. Students expand their ability to distinguish and differentiate between the structures and functions of different organisms.

BIOL 2334K Ecology **4 Credits**
Prerequisite: BIOL 1107K or BIOL 1104K
Students examine the interrelationships of living organisms, their geographical distributions and environmental factors which affect their lives.

BIOL 3302K Microtechniques **2 Credits**
Prerequisite: Any laboratory course in Biology
Students study tissue preparation techniques for microscopic studies of plant and animal tissues. Various staining procedures will be employed. Students prepare histological solutions and prepare slides from assigned organs.

BIOL 3223 Cell and Molecular Biology **3 Credits**
Prerequisite: BIOL 1108K
Students examine the essential features that constitute life in terms of the coordinative interactions of small and large molecules. Phenomena explored by students include the cell as common denominator, proteins as agents of specificity, metabolic pathways, cell transport, the central dogma of molecular genetics and regulation of the flow of information.

BIOL 3222L Investigations in Cell Biology **2 Credits**
Prerequisite: BIOL 3223 (or concurrent enrollment)
Students investigate the structural and functional dynamics of cells. Students perform a broad spectrum of exercises to include growth kinetics, pH and buffers, spectrophotometry, quantitative assays, fractionation and differential centrifugation, organelle studies, determination of molecular weights, separation of molecules utilizing chromatography and restriction of endonuclease analysis.

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BIOL 3813 Integrated Pest Management **3 Credit**

Introduction to integrated pest management theory, including biology of pest life cycles, population dynamics, pest and host plant interactions, methods of sampling and determining pest status and techniques for controlling pests of major economic importance.

BIOL 4111, 4112, 4113, 4114K Special Projects in Biology **1-4 Credits**

Prerequisite: Any upper level BIOL course and approval of advisor.

Students learn the skills of reasoning, critical thinking and analysis. Students learn to conduct literature searches on assigned topics using different databases and the Internet. Also, students learn the use of different software programs on the computer in various subjects. Students learn the basic skills of seminar presentation using overheads and slides and also electronic presentations. Students learn to read, critically analyze and present scientific papers in different subjects. The exact format of the course will vary with the instructor involved and the number of credit hours for the course.

BIOL 4221, BIOL 4222 Biology Seminar **1 Credit**

Prerequisite: upper level standing

Students research and prepare papers and/or presentations with audiovisuals on selected biological and related topics.

BIOL 4234K Microbiology **4 Credits**

Prerequisite: BIOL 1107K or BIOL 1104K

Students learn fundamental principles and laws of bacteriology and their applications. In the laboratory, special attention will be given to the study of representative bacteria, molds and other applied microorganisms important in biology, medicine, public health and industry.

BIOL 4254K Genetics **4 Credits**

Prerequisites: BIOL 1107K or BIOL 1104K, CHEM 1211K

Students learn the fundamentals of Mendelian, Molecular and Population Genetics. Students study the molecular character of genes, the processes of gene transmission, expression, regulation and mutation as well as the principles which govern inheritance in cells, individuals and populations.

BIOL 4263 Immunology **3 Credits**

Prerequisites: BIOL 4234K and CHEM 2221K

Students learn the fundamentals of immunity and immunological effectors. Also, students study the principles of innate and acquired immune responses with a special focus on humoral and cell-mediated immunity. The course also includes an introduction to immunochemical and cellular techniques as well as the interaction between infection and immunity.

BIOL 4272L Biotechniques **2 Credits**

Prerequisites: BIOL 3223 and CHEM 1212K

Students learn the underlying principles and the procedures of currently used techniques in biomedical research. Also, students learn the use of technology integrated with laboratory research. Students learn the use of the Internet and medical and allied health databases to conduct literature searches, write research papers and deliver oral presentations.

BIOL 4343L Senior Project **3 Credits**

Prerequisite: Junior or senior standing/departmental approval

Students participate in a research internship during the summer in an external industrial,

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academic or governmental laboratory or they may be involved in research projects in the department itself. They may participate in either laboratory-based projects or computer-based projects. The exact format of the course will vary with the student, the instructor and the internship involved.

BIOL 4384K Limnology **4 Credits**

Prerequisite: BIOL 2334K

Students analyze the physical, chemical and biological properties of freshwater environments with some reference to marine systems. Students compare chemical parameters of freshwater ecosystems of Middle Georgia. The effect these abiotic factors have on the diversity, life histories and interrelationships of aquatic organisms will also be investigated.

Botany (BOTN)

BOTN 2001K General Botany **4 Credits**

Prerequisite: BIOL 1104K or BIOL 1107K

Students acquire basic knowledge of the structure and function of various plant parts, their vital processes, classification and the modern concepts of plant biotechnology.

General Business (BUSA)

BUSA 1150 Introduction to Business **3 Credits**

Students obtain an overview of the elements of various fields of business (accounting, marketing, management, economics, law, finance, and others) in order to gain a better understanding of the role business plays in the U.S. and the global economy. Students make informed career choices.

BUSA 1980 Professional Development I **1 Credit**

Students acquire skills that are important to being a professional regardless of the profession they choose. These courses are designed to explore concepts and theories of human development in an organizational setting. Students learn how to manage their time, how to make effective decisions, how to present themselves and their work in a professional manner and how to balance their workload, how to handle stress and other issues of physical and mental well-being and how to communicate effectively one-on-one and in groups. Students experience situations involving social/professional decorum.

BUSA 1985 Professional Development V **3 Credits**

Students will acquire skills that are important to being a professional regardless of the profession they choose. In addition, this course will help students to explore concepts and theories of human development in an organizational setting, how to manage their time and how to make effective decisions. Students will experience situations involving social/professional decorum and will be exposed to issues, customs and traditions of sundry cultures as well as the importance of image.

BUSA 1990 Leadership I **1 Credit**

Students examine the determinants of effective leadership, assess their own leadership abilities and style and acquire skills that are important for effective leadership. Such skills involve: effective decision making, listening, selling oneself, learning how to follow and how to lead, conducting meetings, learning how to resolve conflicts and learning how to negotiate a position. Students distinguish between leadership and management.

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BUSA 1995 Leadership V **3 Credits**

Students will gain the knowledge, critical thinking skills and tactical skills necessary to become effective leaders. The course places equal emphasis on theories and research findings, applications and skill development. Case studies, exercises, self-assessment and role play will be used to help develop leadership skills.

BUSA 2105 Communicating in the Business Environment **3 Credits**

Students study both interpersonal and organizational communications; to include written and oral exercises appropriate to business practice.

BUSA 2503 Business Information Systems **3 Credits**

Students refine their basic computer skills (word processing, spreadsheet, and database) and learn new business application software (such as graphics, statistics, Internet, and presentation graphics). Students make professional business reports and presentations and will have a solid foundation for subsequent courses.

BUSA 3103 Financial Management **3 Credits**

Prerequisites: ACCT 2101, ACCT 2102, ECON 2105, ECON 2106

Students learn the principles for financial management. Ethical considerations for the role of financial managers are developed within the current economic and tax environment. Applications of theory and forecasting techniques are discussed in the following business settings: corporations, partnerships, and sole proprietorships. Emphasis is placed on methods to increase the value of the firm as the goal of the financial manager.

BUSA 3153 Risk and Insurance **3 Credits**

Prerequisite: Junior standing

Students obtain an understanding of the principles of insurance. Applications of risk management techniques are discussed within a variety of business settings. A broad focus of the insurance industry is maintained to develop appreciation for a needs-based approach to business and household markets. The course is for the insurance professional, the business owner and the lay person.

BUSA 3203 Statistics for Business and Economics **3 Credits**

Prerequisites: Math courses as identified on balance sheet

Students gain knowledge of the application of various mathematical methods used in analyzing business and economic data. Topics include an introduction to the differential and integral calculus of elementary functions and the applications of calculus to business and economics problems.

BUSA 3303 Business Law **3 Credits**

Prerequisite: Junior standing

Students develop a working legal vocabulary for the non-lawyer professional in the business setting. The course develops the skill of integrated analysis of common law torts, contracts and property law. The U.S. Constitution and the Uniform Commercial Code Article 2, Sales and Article 3, Commercial Paper, shall be reviewed for developing the skill of statutory interpretation in regulating business activity.

BUSA 3313 Legal, Social, Ethical Environments of Business **3 Credits**

Prerequisite: Junior standing

Students gain an awareness of the origins of law and ethics in society and in the workplace. Students use legal reasoning and methodology to resolve social and ethical issues in contracts, property, torts, and environmental disputes. Students distinguish legal, social, and ethical responsibilities of various business entities including C-corporations, Sub-chapter S-

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corporations, partnerships, and sole proprietorships.

BUSA 4100 Leadership and Professional Development **3 credits**

Students will acquire leadership and professional skills that are essential for success in the workplace. The course places equal emphasis on theories and research findings, applications and skill development. Case studies, exercises, self-assessments, and role play will be used to help the development of leadership and professional skills.

BUSA 4103 Investments and Real Estate Analysis **3 Credits**

Prerequisite: Junior standing

Students acquire a basic understanding of the regulated securities markets and how they function daily. Students gain a broad focus of the retail distribution of real estate and regulated securities. Students develop an understanding of acquiring a diversified investment portfolio for individuals, small businesses and incorporated businesses. By reading professional manuals, syndicated publications and automated data bases, students gain knowledge of investment information resources.

BUSA 4123 Internship **3 Credits**

Prerequisites: Senior standing in business/economics and consent of instructor

Students work under supervision for 160 hours for one semester. Prior to registration, the position must be approved. A written report is required of the students and a written evaluation by the employer must be made to the supervising University instructor.

BUSA 4353 Introduction to International Business **3 Credits**

Students are introduced to a network of global linkages around the world that binds us all-countries, institutions and individuals much closer than ever before. Linkages include the following: trade, financial markets, technology and living standards. Topics in international business range from export-import trade to licensing, joint venture, wholly owned subsidiaries, turnkey operations and management contracts.

Chemistry (CHEM)

CHEM 1101K Introductory Chemistry I **4 Credits**

Students study atomic structure and isotopes, periodicity and chemical equations. Laboratory exercises supplement the lecture material.

CHEM 1102K Introductory Chemistry II **4 Credits**

Prerequisite: CHEM 1101K or equivalent

Students learn basic principles and applications of chemistry designed for non-science majors.

CHEM 1151K Survey of Chemistry I **4 Credits**

Students study elements and compounds, chemical equations, nomenclature and molecular geometry. Laboratory exercises supplement the lecture material.

CHEM 1152K Survey of Chemistry II **4 Credits**

Prerequisite: CHEM 1151K

Students study organic and biochemistry designed for allied health professions majors. Laboratory exercises supplement the lecture material.

CHEM 1211K Principles of Chemistry I **4 Credits**

Prerequisite: 1 year high school chemistry or CHEM 1101K

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Students study fundamental principles and applications of chemistry designed for science majors. Topics to be covered include composition of matter, stoichiometry, periodic relations, and nomenclature. Laboratory exercises supplement the lecture material.

CHEM 1212K Principles of Chemistry II **4 Credits**

Prerequisite: CHEM 1211K

Students study fundamental principles and applications of chemistry designed for science majors. Laboratory exercises supplement the lecture material.

CHEM 2221K Principles of Organic Chemistry I **4 Credits**

Prerequisite: CHEM 1212K

Students expand their knowledge of classes of organic functional groups in conjunction with their reactions and their reaction mechanisms. Students investigate the fundamentals of mass spectrometry, ¹H-NMR, ¹³C-NMR, IR and UV-Visible spectroscopy. Students survey operations and techniques used in organic chemistry laboratories. Laboratory exercises supplement the lecture material.

CHEM 2222K Principles of Organic Chemistry II **4 Credits**

Prerequisite: CHEM 2221K

Students expand their knowledge of classes of organic functional groups in conjunction with their reactions and their mechanisms. Students compare organic chemistry of three major classes of biomolecules, namely lipids, amino acids, proteins and nucleic acids. Students expand their knowledge of laboratory operations and techniques used to synthesize compounds using multi-step syntheses. Students identify organic compounds using NMR, IR, GC and Mass Spectroscopy. Laboratory exercises supplement the lecture material.

CHEM 3250K Principles of Biochemistry **4 Credits**

Prerequisite: CHEM 2222K

Students learn the biochemistry of proteins. Carbohydrates, lipids, enzymes, coenzymes, and nucleic acids are discussed together with the important metabolic pathways. Also purification and characterization of DNA will be investigated along with chromatography, electrophoresis and spectrophotometric techniques.

CHEM 3310 Advanced Inorganic Chemistry **3 Credits**

Prerequisite: CHEM 2222K

Students carry out detailed examinations of covalent and ionic inorganic substances, Lewis acid-base concepts, thermodynamic aspects, coordination chemistry, chemistry of metals and nonmetals and inorganic aspects of aqueous and nonaqueous solvents. Students apply their knowledge in analyzing and evaluating chemical changes occurring in their surroundings.

CHEM 3320 Advanced Organic Chemistry **3 Credits**

Prerequisite: CHEM 2222K

Students search the research literature to investigate new developments in organic chemistry. Students explore spectroscopy methods of identification and characterization of chemical species.

CHEM 3341K Principles of Analytical Chemistry **4 Credits**

Prerequisite: CHEM 2222K

Students explore statistics, sampling, chemical equilibrium titrimetric procedures, spectroscopy separations and electrochemistry and are introduced to modern analytical instrumentation. Students write reports using statistical analysis in evaluating procedures.

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CHEM 3342K Chemical Instrumentation **4 Credits**

Prerequisite: CHEM 3341K

Students learn and apply instrumental methods of analysis to solve analytical chemistry problems. Students learn how to use microcomputers, X-rays, GC/MS, FTIR, visible and other types of spectrometry.

CHEM 4210 Seminar **1 Credit**

Prerequisites: Senior standing and CHEM 3341K

Students research current special topics in various areas of chemistry. The professors, visiting lecturers and the students participate in a weekly series of lectures. Students are required to give two seminars, one on their literature reviews and the other on the research conducted in their senior project course.

CHEM 4331K Physical Chemistry I **4 Credits**

Prerequisite: CHEM 3342K

Students study the thermal properties of matter, the way in which temperature, pressure, volume and chemical composition are used to determine the interconversion of various kinds of energy and the changes in physical properties that are involved. Students investigate quantum mechanics and electromagnetic radiation and applications of quantization of atomic and molecular phenomena.

CHEM 4332K Physical Chemistry II **4 Credits**

Prerequisite: CHEM 4331K

Students investigate quantum mechanics, statistical mechanics and kinetics. Students use various spectroscopic methods, rotational, vibrational, electronic and magnetic resonance to measure physical parameters and physical phenomena.

CHEM 4350 Polymer Chemistry **2 Credits**

Prerequisite: CHEM 4331K

Students are introduced to selected topics in polymer chemistry which include polymerization mechanisms, molecular weight distribution and properties of polymer solutions, methods of analyzing solutions and they analyze the relationships between molecular structures and polymer properties.

CHEM 4450 Senior Project **2 Credits**

Prerequisites: Senior standing, CHEM 3342K

Chemistry majors conduct research in the field of special interest to them. Students must have the consent of an advisor to pursue a research topic no later than the first semester of his/her senior year. The research investigation is carried out under the direction of a senior staff member.

Communications (COMM)

COMM 1110 Public Speaking **3 Credits**

Students are prepared to communicate effectively in the professional arena, to appreciate cultural diversity, to use gender inclusive language, to avoid ethnocentrism, to speak on career and global topics, to conduct interviews, to locate and utilize library and computer generated research, to evaluate and analyze information and arguments, to develop informative and persuasive speech texts, to utilize different methods of delivery and to demonstrate critical and reflective thinking skills. Assessment focuses on oral and written communication, purposeful thinking and recognizing and avoiding inconsistencies in logic.

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COMM 3393 Intercultural Communication

3 Credits

Students develop a theoretical and practical foundation in intercultural- interpersonal communication theory, increasing their communication behavioral flexibility and learning to communicate with diverse cultures, with groups, on the job and in the community, considering culture and gender issues. Students explore and analyze communication in professional and social relationships and explicate the psychological, social and decision making functions of the communication process.

COMM 4393 Persuasion

3 Credits

Students explore and analyze the origins of persuasive practices, the manipulation of symbols, the social basis of persuasion, the reasoning process, the psychology of persuasion, the role of credibility and the function of persuasion in family, social and professional settings.

Criminal Justice (CRJU)

(F=Fall Semester, Sp=Spring Semester, S=Summer, TBS=To be Scheduled)

CRJU 1000 Introduction to Criminal Justice

3 Credits (3-0) F

Students gain a knowledge of the structure, function, and decision-making processes of agencies that deal with the management and control of crime and criminal offenders-police, courts, and correctional systems-in order to examine the legal, political social, historical and psychological aspects in crime of America.

CRJU 2001 Report Writing for Criminal Justice

3 Credits (3-0) F

Prerequisite: CRJU 2000

Students will enhance their writing and communications skills necessary to provide acceptable criminal justice reports. Students will understand some basic principles for report writing and record keeping and will produce written documents that are acceptable by the courts. Student will understand the importance of accurate, fact-based reports and records.

CRJU 2010 Ethical Issues in the Criminal Justice System

3 Credits (3-0) Sp

Prerequisite: CRJU 2000

Students will explore the philosophical study of moral and ethical principles applicable to the enforcement of the law, to the court system and to corrections. Students will examine the fundamental questions of social justice within the criminal justice profession. Students will explore diverse ethical positions that criminal justice professional face. Court opinions and hypothetical cases will be examined to enhance understanding of ethical issues facing criminal justice professionals today.

CRJU 2100 Introduction to Corrections

3 Credits (3-0) F, Sp

Prerequisite: CRJU 2000

Students utilize the history of corrections to define and examine basic concepts, programs and trends in corrections. Attention to the function of correction in the total criminal justice system, society and government is emphasized.

CRJU 3000 Basic Law Enforcement

3 Credits (3-0) F

Prerequisite: CRJU 2000

The role of law enforcement in American society is studied. Students examine local, state and federal law enforcement agencies and their specific responsibilities, development, jurisdiction and activities.

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CRJU 3003 Juvenile Justice Systems **3 Credits (3-0) F**

Prerequisites: CRJU 2000, CRJU 2100

Students will receive an overview of the Juvenile Justice System including research and theoretical perspectives. Students will complete an in-depth study of the system and early decision-making process with focus on the Police, the Juvenile Court and the limits of juvenile sanctions. The student will examine current trends in Juvenile Justice and what the future might behold.

CRJU 3004 Theories of Criminal Behavior **3 Credits (3-0) Sp**

Prerequisite: CRJU 2000

Students gain an understanding of the theoretical principles of contemporary criminological enterprises. Students will explore the causes and patterns of crime. Students will understand the analytical distinctions between criminology and criminal justice.

CRJU 3005 Community Policing **3 Credits (3-0) TBS, Sum**

Prerequisite: CRJU 2000

Students will explore the historical, philosophical and pragmatic development of community oriented policing. Students will appraise and evaluate these criminal justice approaches to community crime prevention and its focus on the effective partnerships and linkages between criminal justice professionals and the community. Students will devise and contrast goals to impact the quality of life for a community through crime prevention, peace keeping and alternative control strategies.

CRJU 3010 Criminal Law **3 Credits (3-0) F**

Prerequisite: CRJU 1000

Students study criminal law, including but not limited to the elements of statutory and common law offenses and defenses thereto.

CRJU 3016 Introduction to Forensic Science I **3 Credits (3-0) TBS**

Prerequisite: CRJU 3000

The student will examine the role of forensic science in the investigation and solution of crime. Students will study each type of physical evidence normally encountered in criminal investigation with regard to collection and packaging techniques which maximize the evidence value, the current types of scientific analysis available and the significance and limitations of the scientific results. Students will also examine the history of forensic science.

CRJU 3020 Criminal Procedure **3 Credits (3-0) Sp**

Prerequisites: CRJU 2000, CRJU 3010

Students examine the basic principles of criminal procedure, with emphasis upon, inter alia, the constitutional underpinnings of arrest, search and seizure, discovery, counsel, punishment and bail.

CRJU 3025 Theories and Development of Juvenile Gangs **3 Credits (3-0) TBS, Sp**

Prerequisites: CRJU3004 or by permission of instructor

Students will explore the youth gang-related crime; discern why and how such crime has been growing for years, and find out existing data about the extent and precise nature of crimes, committed by gang members. Students will learn about the nature and origins of socialization into gang sub-culture, entrepreneurial activities of gangs, and the major theories of crime and delinquency. Students will also explore the legal, community-based, and national intervention strategies.

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CRJU 3030 Evidence 3 Credits (3-0) TBS, F

Prerequisite: CRJU 2000

Students survey the rules governing the admissibility of evidence in judicial proceedings.

CRJU 3031 Domestic and International Terrorism 3 Credits (3-0) TBS, Sp

Prerequisite: CRJU 3000

The student will be introduced to concepts of domestic and international terrorism and violent extremism. The student will gain an overview of the phenomenon of terrorism. Students will use models based on historical and current events to assess the potential for terrorist actions. The students will analyze and evaluate prevention strategies.

CRJU 3050 Police Administration 3 Credits (3-0) TBS, Sum

Prerequisite: CRJU 2000

Students become knowledgeable of the management and administration of personnel, proper selection, training and utilization of police personnel.

CRJU 3060 Research Methods in Criminal Justice 3 Credits (3-0) F

Prerequisite: Completion of all required CRJU 2000 and 3000 Level Courses

The students will examine the major methods of gathering, analyzing and reporting social data. The student will focus on the purpose and logic of scientific inquiry and research techniques in criminal justice. The student will understand the emphasis on qualitative and quantitative research techniques, including data collection, experimental and non-experimental designs, measurement procedures, sampling methods and interpretation of research results.

CRJU 3100 Criminal Investigation 3 Credits (3-0) TBS, F

Prerequisites: CRJU 2000, 2100

Students become familiar with criminal behavior with emphasis on the measurement of reported crimes, and the techniques of crime scene investigation. Students examine the laws of search and seizures, admissibility of evidence, evidence collection and chain of custody pertaining to physical evidence.

CRJU 3101 Minorities, Crime and Social Policy 3 Credits (3-0) TBS, Sp

Prerequisites CRJU2000 or permission of instructor

Students will examine racial, ethnic and class identities in terms of their impact on individual experiences of the law, crime, justice, victimization, stigma, and punishment/rehabilitation. Further, students examine sociological and criminological theory and research on these issues. Student will pay special attention to the role of race and theories of crime in the American criminal justice system. Students will explore the treatment of minorities by the various components of the criminal justice system.

CRJU 3105 Alternatives to Incarceration 3 Credits (3-0) TBS, F

Prerequisites: CRJU 2000 and CRJU 2100

The student will explore and compare alternatives to improvising juvenile and adult offenders, including probation, parole and diversion. Students will also appraise other community-based intervention and treatment approaches. Students will understand and justify alternatives to incarceration and the social, political and economic atmosphere in which they function.

CRJU 3111 Women in the Criminal Justice System

3 Credits (3-0)

Prerequisite: CRJU 2000

The student will examine the relationship between women and various forms of criminal behavior, including the examination of historical and current theory and research. Students will compare the experiences of women as criminal justice practitioners. The purpose of this course is to develop an understanding of the connection between theory and research to

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identify how and where the connection influences the study of women in criminological theory and research and to identify the social and political implications of change.

CRJU 4020 Mock Court **3 Credits (3-0) TBS, Sp**

Prerequisites: CRJU 3010, CRJU 3020 and CRJU 3030

Students will be introduced to trial advocacy. Students will interact with lawyers and judges. Students will hone their trial advocacy skills by preparing and arguing a case.

CRJU 4070 Criminal Justice Seminar **3 Credits (3-0) F, Sp**

Prerequisite: CRJU 3000 Level Courses

Students research and discuss contemporary issues in criminal justice that complement their professional field experiences. Students become familiar with a variety of practice settings through the vicarious experiences of their peers.

CRJU 4080 Practicum **12 Credits (12-0) Sp, Sum**

Prerequisites: CRJU 4060, Senior Standing

Students gain work experiences to complement their academic preparations through structured, closely supervised, practice. The student obtains experiences in the settings of law enforcement agencies, correctional facilities and programs connected with the courts.

CRJU 4100 Private Security **3 Credits (3-0) F, TBS**

Prerequisite: CRJU 2000

Students explore basic security responsibilities and how they are integrated in a total security system. Students become familiar with the key concepts of private security professionals and security as a management function.

Computer Science (CSCI)

CSCI 1102 Computer Science and Information Systems:

An Overview

3 Credits

Students are introduced to the discipline of computer science and information systems by providing accurate and balanced coverage of a variety of computer science topics, including programming languages, algorithm, computer logic and arithmetic, computer hardware and software systems, career goals and choices, and legal and ethical issues that concern computer scientists. In addition, students gain insight to academic life as a CSIS or CSCI major at Fort Valley State University, as well become acquainted with the advisement system and computing facilities of the department.

CSCI 1153 Introduction to Computers

3 Credits

Via daily hands-on activities, students acquire an understanding of computer technology, computer nomenclature and the use of computers as productivity tools. Students use a computer to produce a spreadsheet, various types of graphs and a written document. Students demonstrate knowledge of the legal and ethical uses of computers as tools in our society.

CSCI 1301 Principles of Programming I

4 Credits

Prerequisite: CSCI 1102 and MATH 1113 for majors; MATH 1113 for non-majors

Students study computers and programming, problem solving and algorithm development, simple data types, arithmetic and logic operators, selection structures, repetition structures, text files, arrays (one- and two-dimensional), procedural abstraction and software design and modular programming (including subprograms or the equivalent).

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CSCI 1302 Principles of Programming II **3 Credits**

Prerequisite: CSCI 1301

Students become knowledgeable of abstract data types (ADTs), arrays (multi dimensional) and records, sets and strings, binary files, searching and sorting, introductory algorithm analysis (including Big-O), recursion, pointers and linked lists, software engineering concepts and dynamic data structures (stacks, queues, trees).

CSCI 2201 Digital Fundamentals **3 Credits**

Prerequisite: MATH 1111 or MATH 1113

Students acquire an understanding of the design and implementation of digital systems from the electronic gate circuits to the complex structure of microcomputer systems.

CSCI 2330 Contemporary Programming **3 Credits**

Prerequisite: Consent of Instructor

Students become proficient in a computer language that is prevalent in the job market. Students preparing for internships, especially are trained in a new language not offered on a continuous basis.

CSCI 3150 Data Communications & Networks

Prerequisite: CSIS 3100 or CSCI 3351

3 Credits

Students gain a foundation in the theory and practices used in computer networks to enable data communication and telecommunication. Standards, standard organizations, information layers of network, and network architectures are studied. Configurations, installation, management, diagnostic and performance measurement tools are used to implement, operate, and tune a network.

CSCI 3320 Introduction to Computerized Instrumentation and Measurement Systems

4 Credits

Prerequisites: MATH 1154, CSCI 1301 or CSCI 3331 or CSCI 3332

Students gain a basic knowledge in the fundamentals of instrumentation, computer hardware, analog and digital signals, functional descriptions of measuring instruments, performance characteristics of instruments and typical measuring sensors. In addition, students work with modern instrumentation software, such as LABVIEW through hands on laboratory based exercises and projects.

CSCI 3331 C/Unix

3 Credits

Prerequisite: Any High-Level Language

Students acquire a basic knowledge of the Unix operating system and also an in-depth knowledge of computer programming using C language. In particular, students construct correct, well documented programs using proper data typing, standard procedures, functions and control structures.

CSCI 3332 Fortran

3 Credits

Prerequisite: MATH 1111 or MATH 1113

Students learn to write simple FORTRAN programs, and process through Do Loops, subscripted variables, one and multidimensional arrays, matrices, tables, and common and equivalence statements. In addition, students use sequential and direct access files, and subroutines.

CSCI 3333 Computer Programming for Non-majors

3 Credits

Prerequisite: MATH 1113

Students study the syntax and structure of an object-oriented programming language, objects and classes, inheritance and polymorphism, exception handling, input/output, and graphic user

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interface. Students use an object-oriented programming language to develop software in applications. Credit for this course will not be counted toward a computer science or computer information systems degree.

CSCI 3339 Theory of Programming Languages **3 Credits**

Prerequisite: CSCI 3410

Students acquire basic knowledge of the key concepts in the areas of data objects, data types, abstraction mechanisms, control structures, and storage management. Several widely used and diverse languages are compared relative to their semantic structures and run-time representations.

CSCI 3351 Computer Organization/Assembly Language **3 Credits**

Prerequisites: CSCI 1302, CSCI 2201

Students acquire basic knowledge of major hardware components, bus structures, addressing methods, and internal/external memory. In addition students design and implement low level programs using one or more assembly languages.

CSCI 3410 Data Structures **3 Credits**

Prerequisite: CSCI 1302

Students acquire an in-depth knowledge of computer programming. In particular, students construct correct, well-documented programs using files, pointers, linked lists, structured trees, stacks, queues and sorting and searching techniques.

CSCI 4000 Senior Seminar **2 Credits**

Prerequisite: Completion of All Major Courses Through the Junior Level

Students demonstrate their mastery of core materials covered in previous courses and their ability to apply the same. Senior integrated assessment is embedded in this course.

CSCI 4109 Internship **3-9 Credits**

Prerequisite: Consent of Department Head

Students gain practical experiences in the computing profession. Each student is assigned to work in an approved training center that needs assistance in developing or modifying a computer application. Students work under the supervision of the instructor of the course and a professional at the approved center.

CSCI 4150 Advanced Communications and Networks **3 Credits**

Prerequisites: CSCI 3150

Students acquire an in depth working knowledge of advanced topics in communications technologies and computer networks. The course topics include protocol design, client-server architecture, enterprise LAN/WAN, socket interface, Internet working and TCP/IP, Internet and intranet firewalls. In addition, network switches and emerging technologies in computer networking and communication system will be studied.

CSCI 4210 Computer Architecture **3 Credits**

Prerequisites: CSCI 2201, CSCI 3351

Students acquire an understanding of the internal logical structures of computers and the techniques of machine level programs, architectures and functioning of micro/conventional computer systems.

CSCI 4320 Software Engineering **3 Credits**

Prerequisite: CSCI 3339

Students become familiar with the principles, methods and current practices useful and/or essential for developing large scale software, including well-understood requirements, logical

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design and object-oriented methods.

CSCI 4340 Principles of Operating Systems **3 Credits**

Prerequisites: CSCI 3410, CSCI 3351, or CSCI 3100

Students gain knowledge of basic principles, structure and functions of modern operating systems. In addition, they gain experience with concurrence, multi-tasking, resource management and allocation and process synchronization.

CSCI 4350 Compilers **3 Credits**

Prerequisites: CSCI 3410, CSCI 4500

Students acquire a basic understanding of compilers design, construction and implementation. Major emphases are placed on lexical analysis, parsing, code generation and code optimization.

CSCI 4420 Advanced Computer-Based Measurement and Instrumentation Design **4 Credits**

Prerequisites: MATH 1154, CSCI 3320

Students gain an in depth knowledge of scientific measurement and instrument design. The course topics include modern measuring devices used in various fields of science, computerized data acquisition and processing systems, advanced virtual instrument design, signal processing techniques, measurement noise and error sources and experimental design.

CSCI 4500 Automata Theory and Formal Languages **3 Credits**

Prerequisites: CSCI 3410, MATH 2253

Students gain an understanding of finite state automata as restricted models of computation and acceptors of regular expressions and apply regular expressions to programming language analysis.

CSCI 4520 Analysis of Algorithms **3 Credits**

Prerequisites: CSCI 3410, MATH 2253

Students develop the skills needed to analyze problems and algorithms. In particular, students design efficient algorithms with emphasis on analyzing execution time and memory requirements. Students determine the computational complexity of algorithms using Big-O and similar notation.

CSCI 4600 Projects in Computerized Instrumentation and Measurement Systems **3 Credits**

Prerequisites: CSCI 4420, MATH 4883

Students complete research projects in computerized instrumentation and measurement. Students improve the depth and breadth of their knowledge of the field by participating in field trips to industrial facilities and attending colloquium presentation delivered by research scholars in the field.

CSCI 4820 Artificial Intelligence **3 Credits**

Prerequisite: CSCI 3410

Students study the history, goals, social impact and philosophical implications of artificial intelligence. Students write programs in an artificial intelligence language such as LISP or PROLOG, interact with an expert system, construct a small expert system, implement search strategies using an appropriate artificial intelligence language and observe the behavior of heuristic search strategies applied to a particular problem or a set of problems.

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CSCI 4999 Special Topics in CSCI/CSIS

3 Credits

Prerequisite: Consent of Instructor

Students study and research a current or novel area of computing. Students must be capable of conducting research or studying independently.

Computer Information Systems (CSIS)

CSIS 2331 COBOL

3 Credits

Prerequisite: MATH 1111 or MATH 1113

Students learn how to design and organize a totally efficient program, how to write a readable program in COBOL and how to design an efficient and thorough test plan. Given the specifications for a programming problem, students learn how to create an acceptable VTOC (Visual Table of Contents) for it. Students learn how to develop an effective top-down test plan, use the top-down test plan and code program stubs for each phase of the test plan at the appropriate time.

CSIS 3100 Information Technology Hardware and Software

3 Credits

Prerequisite: CSIS 3701

Students gain the hardware-software technology background to enable them to understand tradeoffs in computer architecture for effective use in the business environment. Principles and application of telecommunication and computer systems hardware and software are presented through lecture, installation, configuration and operations experiences.

CSIS 3200 Introduction to Bioinformatics

3 Credits

Prerequisite: BIOL 1108K, CSCI 1153, Math 2113

Students will be introduced to the discipline of Bioinformatics, the use of computational techniques to convert the masses of information from biochemical experiments into useful information. Students acquire basic knowledge of the key concepts in the areas of application of statistics, database tools, and standard algorithms to the biological sequence analysis.

CSIS 3450 File Structures and File Processing

3 Credits

Prerequisite: CSIS 2331

Students study common types of file organization methods. Students learn how to create a sequential file, direct files and index sequential files. Students also gain an understanding of different types of file storage and learn about the three basic activities that take place when updating master files and learn why, where and when to use sub programs. Students learn how to pass data to and from sub programs.

CSIS 3701 Information Systems Theory and Practice

3 Credits

Students are exposed to the theory of the IS discipline. Applications of theory to the success of organizations, to the roles of management users and IS professionals are presented. Students gain an understanding of the decision process and how information is used for decision support in organizations. Students learn the systems point of view, the organization and development of a system, information flows, the nature of information systems and basic techniques for representing systems structure.

CSIS 3740 Business Applications Software

3 Credits

Students improve and extend their knowledge of and improve skills in the use of packaged software to improve their personal and professional productivity. Students apply evaluation criteria for packaged software and make value judgments on its appropriateness for a given business environment.

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CSIS 4001 Systems Design and Analysis **3 Credit**

Prerequisites: CSIS 3701 or CSIS 3740

Students study the theory and practices of analyzing a business environment and designing a computer-based solution. Students complete sets of logical systems specifications, physical system diagrams and an implementation plan for a business system of moderate complexity.

CSIS 4002 System Design and Implementation **3 Credits**

Prerequisite: CSIS 4001

Students implement the plan developed in the first course. Students produce a working set of well documented, tested and verified code, as well as a user's manual for the system.

CSIS 4720 Database Systems **3 Credits**

Prerequisite: CSCI 3410

Students learn the basic goals, functions, model, components and applications of database systems. Working in teams, students will design and construct a logical design using CASE tools and implement the database using an appropriate relational database management system (DBMS). Testing, documentation and post implementation reviews are accomplished.

Drama (DRAM)

DRAM 1203 Oral Interpretation **3 Credits**

Students demonstrate mastery of the centering process; learn to isolate their senses; develop observation skills; explore sound and movement; develop and demonstrate speaking skills- projection, phrasing, and vocal variety; and demonstrate an ability to synthesize, using personalization, motivation and visualization.

DRAM 3343 Intermediate Acting **3 Credits**

Students explore the function and elements of character, the character's mind, language, body and emotions; demonstrate a knowledge of the rehearsal process; and develop the interpersonal communication skills needed for staged performances.

DRAM 3373 Advanced Acting **3 Credits**

Students interpret, analyze and synthesize ritual and theater, Greek theater, Elizabethan theater, non-western theater, alternative theatrical space, dramatic perspectives, verbal and non-verbal theater language and the actor's role as image maker.

DRAM 4374 Play Production I **3 Credits**

Students develop a theoretical foundation and demonstrate the ability to design and construct scenes and to organize and manage a production.

DRAM 4394 Play Production II **3 Credits**

Students develop both a theoretical and a practical foundation in electrical theory and practice, lighting production, projection, costume design and construction, makeup design, sound design and technology, computer usage in theater, mechanical drafting and drawing and rendering techniques.

Economics (ECON)

ECON 2105 Principles of Macroeconomics **3 Credits**

Students become acquainted with concepts that enable them to understand and analyze economic aggregates and evaluate economic policies.

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ECON 2106 Principles of Microeconomics **3 Credits**

Prerequisite: ECON 2105

Students gain introductory knowledge of concepts that will enable them to understand and analyze the structure and performance of the market economy.

ECON 3103 Intermediate Microeconomics **3 Credits**

Prerequisites: ECON 2105, ECON 2106

Students are acquainted with consumer demand theory, production theory, cost theory and theory of the firm under different market conditions. The price theory under perfect and imperfect competition is examined.

ECON 3113 Intermediate Macroeconomics **3 Credits**

Prerequisites: ECON 2105, ECON 2106

Students distinguish between the role of fiscal and monetary policy and their effectiveness in the long run. The theory of national income determination, employment, fluctuations and growth of economic activity is studied.

ECON 3303 Money and Banking **3 Credits**

Prerequisites: ECON 2105, ECON 2106

Students analyze the role of money and credit in the economy. The structure and the operation of commercial banks, the function and structure of the Federal Reserve System, the role of non-bank financial institutions, the structure of the financial markets and the processes and instruments of monetary policy in the U.S. are learned.

ECON 3313 Financial Institutions **3 Credits**

Prerequisites: ECON 2105, ECON 2106

Students gain an understanding of the roles of financial institutions which have become essential to modern living: banks, savings and loans, credit unions, money market funds, insurance companies, pension and mutual funds and security brokers. Students examine the demand and supply of financial services, the managerial policies and decision making in both, the traditional banking industry and the non-bank financial institutions.

ECON 3393 Labor Economics **3 Credits**

Prerequisites: ECON 2105, ECON 2106

Students obtain knowledge of the organization, functioning, and outcomes of labor markets; the decision of prospective and present labor market participants and the public policies relating to the employment and payment of labor resources. Topics include wage theory and wage differentials, training policy, poverty, unemployment and under unemployment, discrimination, productivity, industrialization and union policies.

ECON 4103 International Economics **3 Credits**

Prerequisites: ECON 2105, ECON 2106

Students analyze the theoretical principles of international trade theories and theories of exchange rate determination. Students acquire an understanding of the gains from international trade, the effect of trade restrictions on the mobility of international productive factors, international balance of payments, determination of income, employment, and inflation in open economy, and international impact of monetary and fiscal policies under fixed and flexible exchange rates.

ECON 4153 Managerial Economics **3 Credits**

Prerequisites: ECON 2105, ECON 2106

Students apply and use micro and macroeconomic models in analyzing and solving selected problems such as product pricing, product mix, demand forecasting, consumer demand,

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production and cost analysis and market analysis.

ECON 4163 Economic Development **3 Credits**

Prerequisites: ECON 2105, ECON 2106

Students analyze theories of economic development and current constraints on economic growth as they are related to the world economy. Topics include population, trade, agriculture, industry, technology and resource constraint on world economic growth.

ECON 4223 Public Finance **3 Credits**

Prerequisites: ECON 3103, ECON 3113

Students gain knowledge on the study of the principles of government revenue and the various types of expenditure. Students examine economic efficiency, theories and principles of taxation, consequences of various tax structure, Federal government expenditure and debt management.

ECON 4303 Modern Monetary Theory **3 Credits**

Prerequisite: ECON 3113

From an intensive examination of monetary theory, students relate their knowledge of the modern quantity theory of money and the stability of the money demand function to the behavior of the economy. Students differentiate among monetarist versus Keynesian models, rules versus discretionary policy, rational expectation monetary policy in an open economy and foreign exchange markets.

ECON 4313 Introduction to Econometrics **3 Credits**

Prerequisite: BUSA 3213

Students interpret and apply modern statistical methods as to how the economic system works and introduced to statistical inference, estimation theory, model building and forecasting method. Emphasis is placed on model building and policy analysis. Students use PC econometric software extensively.

Early Childhood Education/Special Education (ECSP)

ARTS 3000 Exploration of Learning through the Creative Arts **3 Credits**

The study of educational philosophies, goals, content, media materials, and methods of creative arts for children in grades P-5.

ECSP 3020 Effective Reading and Writing Methods and Materials **3 Credits**

An examination of the reading and writing processes and materials, strategies, and programs appropriate for teaching literacy for all P-5 learners. Content will also include the reading/writing connection and young children's literature. Emphasis will be placed on strategies to support struggling readers and the facilitation of students' comprehension skills.

ECSP 3131 Nature and Curriculum Needs of the Early Childhood/ Special Education Learner **3 Credits**

This course examines the curriculum, instruction, and organization of P-5 schools. It provides candidates with substantial knowledge of the physical, emotional, social, and academic needs of young children, and it includes discussion of appropriate early childhood/special education curriculum and instruction. A field component is required.

ECSP 3132 Classroom Management **3 Credits**

Pre-service teachers acquire and enhance their skills in instructional planning, teaching strategies, learning assessments, communication and classroom management using a combination of selected readings, lectures, discussions, seminars, micro-teaching, and field

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experiences.

ECSP 3232 Methods of Teaching Science

3 Credits

Students learn content and specialized methods and classroom practices appropriate for teaching science in the middle school. Field-based experiences in an educational setting provide opportunities for observing and implementing teaching strategies.

ECSP 3332 Methods of Teaching Language Arts/Reading

3 Credits

Prerequisites: Enrollment in Methods Block I; successful completion of ECSP 3131 and ECSP 3132

Students learn content and specialized methods and classroom practices for teaching language arts/reading in the elementary school. Field-based experiences in an educational setting provide opportunities for observing and implementing teaching strategies. This course is designed to introduce students to methods and materials appropriate for literacy and language arts instruction in early childhood/special education. This course focuses on building pedagogical vocabulary and on using the knowledge of the content area in developing planning strategies, teaching strategies, assessment strategies, and classroom management strategies.

ECSP 3432 Methods of Teaching Social Studies

3 Credits

Students will learn content and specialized methods and classroom practices appropriate for teaching social studies to elementary learners. Field-based experiences in an educational setting provide opportunities for observing and implementing teaching strategies.

ECSP 3532 Methods of Math

3 Credits

Prerequisites: Admission to Teacher Education, ECSP 3131 and ECSP 3132

Students will study research, instructional strategies, and teaching resources to maximize student learning in the elementary school mathematics classroom. Preservice teachers enhance their abilities to teach and assess students' learning consistent with national standards and state curriculum guidelines such as National Council of School Mathematics' Principles and Standards for School Mathematics and Georgia's Performance Standards. Field-based experiences in an educational setting provide opportunities for observation and implementation of teaching strategies.

ECSP 3731 Early Childhood/Special Education Practicum I

3 Credits

This practicum involves extensive structured observations and active participation, as well as planning and teaching an integrated language arts/social studies instructional unit in an early childhood/special education classroom. Emphasis is placed on a strong content knowledge base, classroom management, Instructional strategies for diverse populations of students, the integration of technology, classroom environment, and assessment of student teaching.

ECSP 3732 Early Childhood/Special Education Practicum II

3 Credits

This practicum involves extensive structured observations and active participation, as well as planning and teaching instructional units in mathematics and science in a P-5 classroom. Emphasis is placed on a strong content knowledge base, classroom management, instructional strategies for diverse populations of students, the integration of technology, classroom environment, and assessment of student learning.

ECSP 4010 Problem Planning and Assessment

3 Credits

This course involves the study of the processes of gathering information regarding individuals' strengths and needs for educational decision-making purposes. Emphasis is placed on assessment strategies necessary for determining and monitoring curriculum implementation. Collaborative development of the IEP will also be addressed. This course will include a more in depth overview of the U.S. legal system, discriminatory, constitutional, statutory, regulatory issues and case law related to special education.

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ECSP 4020 Diagnosis and Remediation of Reading **3 Credits**

This course emphasizes diagnostic and assessment strategies for corrective instruction with young children experiencing difficulty in learning to read. Causes of reading disabilities, methods of diagnosis and procedures for group and individual remedial work will be included.

ECSP 4895 Directed Teaching/Seminar **12 Credits**

This course is a guided professional experience in an early childhood/special education classroom (P-5) as a capstone/culminating activity of the ECSP program. Students will teach and manage a classroom under the guidance of a mentor teacher and university professor. Experiences include observation, participation, teaching, classroom management, and collaboration with school personnel. The seminar examines interrelationships of home, school, and community resources as well as other topics related to the student teaching experience.

Middle Grades Education (EDMG)

EDMG 3131 Nature and Curriculum Needs of the Middle School Learner **3 Credits**

This course examines the curriculum, instruction, and organization of middle grades schools. It provides candidates with a substantial knowledge of the physical, emotional, social, and academic needs of early adolescents, and it includes discussion of the appropriate middle school curriculum and instruction. This course includes a field component.

EDMG 3132 Classroom Management Strategies **3 Credits**

Prerequisite: Admission to Teacher Education

Pre-service teachers acquire and enhance their skills in instructional planning, teaching strategies, learning assessments, communication and classroom management using a combination of selected readings, lectures, discussions, seminars, micro-teaching, and field experiences.

EDMG 3232 Methods of Teaching Science in the Middle Schools **3 Credits**

Prerequisites: Admission to Teacher Education

Students learn content and specialized methods and classroom practices for teaching science in the middle school. Field-based experiences in an educational setting provide opportunities for observing and implementing teaching strategies.

EDMG 3332 Methods of Teaching LA/Reading in the Middle School **3 Credits**

Prerequisite: Admission to Teacher Education

Students learn content and specialized methods and classroom practices for teaching language arts/reading in the middle school. Field-based experiences in an educational setting provide opportunities for observing and implementing teaching strategies.

EDMG 3432 Methods of Teaching Social Studies in the Middle School **3 Credits**

Prerequisite: Admission to Teacher Education

Students will learn content and specialized methods and classroom practices appropriate for teaching social studies in grades 4 - 8. Field-based experiences in an educational setting provide opportunities for observing and implementing teaching strategies.

EDMG 3532 Methods of Teaching Mathematics in the Middle School **3 Credits**

Prerequisites: Admission to Teacher Education

Students learn content and specialized methods and classroom practices for teaching mathematics in the middle school. Field-based experiences in an educational setting provide

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opportunities for observing and implementing teaching strategies.

EDMG 3731 Methods Block Practicum I

3 Credits

The 180 hours of field experience required in this course are spent in a middle grades language arts and/or Social studies classroom. Candidates apply the knowledge, skills, and dispositions acquired in their Methods course in a public school classroom. Candidates observe in this classroom for several weeks before they construct and teach an integrated teaching unit that lasts two – three weeks.

EDMG 3732 Methods Block Practicum II

3 Credits

The 180 hours of field experience required in this course are spent in two middle grades science and Math classrooms. Candidates apply the knowledge, skills, and dispositions acquired in their Methods course in these public school classrooms. Candidates observe in this classroom for several weeks before they construct and teach a unit that lasts two – three weeks. Candidates teach one math and one Science unit.

EDMG 4520 Literature for Middle Grades

3 Credits

Prerequisites: Admission to Teacher Education

A course designed to introduce classroom approaches to literature to middle grades teachers. It will include working with a variety of genres and multicultural texts. Students will begin a resource file of texts and teaching strategies.

EDMG 4895 Directed Teaching/Seminar

12 Credits

Prerequisite: Admission to Directed Teaching

In an authentic classroom setting, pre-service teachers are prepared for entering the teaching profession. Candidates engage in a semester capstone where they demonstrate their capability to develop and implement appropriate teaching and classroom management plans.

Education (EDUC)

EDUC 2110 Investigating Critical & Contemporary Issues in Education

3 Credits

This course engages students in observations, interactions, and analyses of critical and contemporary issues. Students will investigate issues influencing the social and political contexts of educational settings in Georgia and the United States. Students will actively examine the teaching profession from multiple vantage points both within and outside the school. Against this backdrop, students will reflect on and interpret the meaning of education and schooling in a diverse culture and examine the moral and ethical responsibilities of teaching in a democracy.

EDUC 2110P Pre-Professional Block Practicum

3 Credits

This pre-professional block practicum is designed to integrate and apply knowledge gained through class activities in each of the following pre-professional block courses: EDUC 2110, EDUC 2120, and EDUC 2130. This practicum requires the completion of a variety of field-based assignments from each course. Successful completion of this practicum is one of the requirements for admission to the Teacher Education Program.

EDUC2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts

3 Credits

Given the rapidly changing demographics in our state and country, this course is designed to equip future teachers with the fundamental knowledge of understanding culture and teaching children from diverse backgrounds. Specifically, this course is designed to examine 1) the

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nature and function of culture, 2) the development of individual and group cultural identity, 3) definitions and implications of diversity, and 4) the influences of culture on learning, development, and pedagogy.

EDUC 2130 Exploring Learning and Teaching **3 Credits**

Explore key aspects of learning and teaching through examining your own learning processes and those of others, with the goal of applying your knowledge to enhance the learning of all students in a variety of educational settings and contexts.

EDUC 2503 Exceptionalities and Instruction **3 Credits**

Pre-service candidates explore the causes and prevalence of children's exceptionalities and their influences on children's emotional, social, educational, and vocational adjustments. Emphasis is placed on understanding models for inclusion in the general education classroom as well as the legal, ethical, moral, and professional responsibilities of all educators. Pre-service candidates explore exceptionalities including learning disabilities, mental and emotional disabilities, vision, hearing, and physical impairments, multiple impairments, and gifted and talented exceptionalities.

Electrical Engineering (EEGG)

EEGG 1114 Computer and Logic Design **4 Credits**

Prerequisite: MATH1111

Students explore the fundamental concepts of digital systems, including number systems and Boolean logic. Students analyze and design combinational and sequential circuits.

EEGG 2113 Circuits I **3 Credits**

Prerequisite: MATH 3223

Students explore the concepts of analog circuits, operational amplifier principles and applications. Students apply Ohm's Law, Kerchief's Laws, Mesh and Node analysis and network theorems to analyze transient and steady-state DC circuits.

EEGG 2114 Circuits II **4 Credits**

Prerequisite: EEGG 2113

Students explore second order DC circuits, AC circuits, the concepts of time and frequency domains and Laplace transforms. Students analyze AC circuits in both time and frequency domains.

Electronic Engineering Technology (ELET)

ELET 1100 Orientation to Electronic Engineering Technology **1 Credit**

Students are provided an overview of electronic engineering technology as a career and are made knowledgeable of the skills necessary for success in the profession, and the academic preparation and requirements needed. Introduction to the basic concepts of electronic measurements, experimentation and reporting of technical results is presented.

ELET 1150 Computer Applications in EET **1 Credit**

Prerequisite: ELET 1210

Students are introduced to the application of computers in engineering and technology with emphasis on use of general and special purpose software for data analysis and preparation of technical reports. Computer-assisted tutorials in the basics of electronic fundamentals and circuits are also studied.

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ELET 1210 DC Circuit Analysis **4 Credits**

Prerequisite: ELET 1150

Students study Ohm's law, Kirchoff's law, series and parallel circuits, mesh current and node voltage solution methods. DC network analysis and linear systems are conducted and solved respectively using the computer. Inductive and capacitive circuits and principles of transient response are learned.

ELET 1211 AC Circuit Analysis **4 Credits**

Prerequisites: ELET 1210, MATH 1113

Students study the generation and analysis of single-phase alternating current, average and effective values, the use of complex numbers in the representation of A-C circuit parameters and in the solution of the AC circuits in steady-state. Other topics learned are transformers, series and parallel resonance and three-phase circuits.

ELET 2310 Electronic Devices and Circuits **4 Credits**

Prerequisite: ELET 1210

Students are introduced to the physical theory of semiconductor devices. V-I characteristics, operational parameters, and graphical analysis with an emphasis on junction diode, bipolar and FET transistors and operational amplifiers. Elementary amplifier circuits using BJT's, FET's and OP-AMPS are examined.

ELET 2500 Principles of Digital Systems **3 Credits**

Students study digital fundamentals including number systems, boolean algebra and minimization techniques. An introduction to sequential logic.

ELET 2570 Electronic Drafting and CAD Applications

Prerequisite: ELET 2310

3 Credits

Students learn the principles of engineering drafting as applied to electrical and electronic symbols, using diagrams, schematics and control-panel layout. Their laboratory experiences emphasize the use of CAD software for schematic capture and circuit board layout.

ELET 3300-3302 Co-Operative Education **2 Credits**

Prerequisite: Sophomore Standing

Students participate in a relevant industrial work experience, develop a comprehensive written report of their work experiences and give a seminar upon completion of the Co-op experience

ELET 3311 Electronic Circuits and Systems **4 Credits**

Prerequisites: ELET 2310, ELET 1211

Students learn the concepts of biasing and stabilization, study of small-signal equivalent circuits as applied to analysis of BJT and FET-amplifier circuits. Single and multi-stage amplifiers are examined. Feedback in amplifiers and oscillator circuits, rectification, filtering and regulation in the design of power supplies are studied.

ELET 3500 Digital Systems **4 Credits**

Prerequisites: ELET 2500, ELET 2310

Students become knowledgeable of counters, registers and special-purpose sequential circuits. They are introduced to the computer, learning about input and output devices, memories, and memory organization. Analog to digital and digital to analog converter circuits are studied.

ELET 3601 Communication Circuits and Systems I **3 Credits**

Prerequisites: ELET 3311, MATH 1154

Students learn the fundamentals of communication theory and basic communication circuits: series and parallel resonance, tuned oscillators, modulation and de-modulation circuits.

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ELET 3800 Basic E/M and Electrical Machines **4 Credits**

Prerequisite: ELET 1211

Students are introduced to the E/M principles underlying the operation of DC and AC machines. Magnetism and magnetic circuits, characteristics of transformers and introduction to polyphase systems as well as feedback regulation and control are reviewed.

ELET 3900-02 Special Topics and Projects **1-3 Credits**

Prerequisite: Junior Standing in EET

Students examine special topics and projects of current interest selected by the department and offered on a demand basis.

ELET 4200 Transform Applications **3 Credits**

Prerequisites: MATH 2164, ELET 3311

Students apply of Laplace transforms to the solution of RLC circuits to determine the complete response to periodic and transient inputs. Introduction to Fourier Series and its application to non-periodic waveforms are given.

ELET 4312 Applications of Operational Amplifiers **3 Credits**

Prerequisite: ELET 3311

Students study of linear monolithic integrated circuits with emphases on circuit functions and applications. Differential and operational amplifiers, application of op-amps in multi and special-purpose circuits, such as comparators, phase-locked loops, multipliers and oscillators are studied in depth.

ELET 4501 Microprocessor Application **3 Credits**

Prerequisites: ELET 3311, ELET 3500

Students learn microprocessor architecture, memory, peripheral devices, interfacing and micro-programming. The application of microprocessor in an industrial-type project is required.

ELET 4510 Industrial Electronics and Control **3 Credits**

Prerequisite: ELET 3311

Students are introduced to various industrial control devices, electromagnetic relays, SCR, Triac, Diac, PUT, Unijunction transistor, transducers, optoelectronics devices and introduction to engineering design process, project planning and implementation. Participation in group design projects, which are assigned by the instructor and/or group initiated projects. Students will work in teams. Hardware implementations of projects are expected. Formal report and oral presentation of projects are required. This course will serve as one of the senior capstone electronic engineering technology design courses in the curriculum.

ELET 4520 Programmable Controllers and Devices **3 Credits**

Prerequisites: ELET 3311, ELET 3500

Students are introduced to industrial processes and programmable logic controllers. They learn to apply programmable logic controllers to process control. The development of ladder-logic diagram in the design of an industrial-control system using programmable logic controllers is required, and introduction to engineering design projects, which are assigned by the instructor, and/or group initiated projects. Students will work in teams. Hardware implementations of PLC projects are expected. Formal report and oral presentation of projects are required. This course will serve as one of the senior capstone electronic engineering technology design courses in the curriculum.

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ELET 4602 Communication Circuits and Systems II **3 Credits**

Prerequisite: ELET 3601

Students learn the fundamentals of amplitude and frequency modulation and de-modulation, multiplexing techniques and video transmission. They are introduced to digital communications and special modulation techniques.

ELET 4701 Engineering Ethics **1 Credit**

Prerequisite: Senior Standing or Permission of Instructor

Students will be introduced to the profession of engineering, moral issues that may arise in the practice of Engineering, ethical theories, moral reasoning for resolving ethical issues, engineering code of ethics, commitment to safety, workplace responsibilities and rights, case studies in engineering ethics and global issues.

ELET 4801 E/M Field and Transmission Technology **4 Credits**

Prerequisites: ELET 3800, MATH 2164

After being introduced to E/M field theory, students learn its application to distributed parameter systems. Consideration is given to lossless and low-loss lines and the study of the transmission-line equation, line parameters, characteristic impedance and propagation constants. Students use the Smith chart and apply it to the analysis of transmission line problems.

ELET 4802 Microwave Techniques and Applications **3 Credits**

Prerequisite: ELET 4801

Students learn Maxwell's equations and application to wave propagation in bounded media. Waveguides, cavity resonators, microwave generators and the propagation of EM waves in unbounded region and the characteristics of basic antennas. Students examine the principles of optical propagation and fiber-optic transmission and are introduced to satellite communication systems.

ELET 4900 Special Topics and Projects **1-3 Credits**

Prerequisite: Senior Standing in EET

Students pursue special topics and projects of current interest, selected by the department and offered on a demand basis.

Engineering (ENGG)

ENGG 2123 Engineering Mechanics I **3 Credits**

Prerequisites: PHYS 2211K and MATH 2164

Students will analyze the concentrated and distributed force systems at equilibrium in two and three dimensions. Students will explore concepts of structures, machines, friction, and moments of inertia and apply these concepts to engineering problems.

ENGG 2133 Engineering Mechanics II **3 Credits**

Prerequisite: ENGG 2123

Students will learn the concepts of kinematics, forces, accelerations, momentum, work and energy. Students will explore the engineering applications in both particle and rigid body motions.

English (ENGL)

ENGL 1001 English Orientation **1 Credit**

Students study the skills and strategies necessary to meet the academic and personal demands

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of the University experience. Study skills, basic research methods, communicative strategies and basic word processing skills are emphasized. The students gain an understanding of how a university functions, strategies for working with faculty and staff and an orientation to the services and assistance made available to them.

ENGL 1004 English for Non-Native Speakers **3 Credits**

In English for Non-native Speakers, students with little English will learn, practice and use rudimentary or basic English, concentrating on the four areas of speaking, reading, writing and listening (with more emphasis on the acquisition of oral skills). English as a Second Language students with a range of needs will be able to utilize what they learn in the classroom and laboratory for practical purposes in their lives and professions. This course will help students succeed in ENGL 1101.

ENGL 1101 Composition **3 Credits**

Students develop communication skills in reading, writing and speaking, with a particular focus on using expository and argumentative essays in standard written English. Basic research skills are honed.

ENGL 1102 Composition II **3 Credits**

Prerequisite: ENGL 1101 with a Grade of "C" or Above

Students are introduced to the study of literature through the reading and discussion of selected works of poetry and fiction. They continue to develop writing skills in addition to more advanced research methods.

ENGL 1107 Analytical Writing **1 Credit**

Students develop more in-depth analytical and critical skills with a particular focus on writing summaries of and responses to challenging specimens of print and non-print texts from a variety of disciplines.

ENGL 1108 Literacy Comprehension **3 Credits**

Students refine their reading skills (literal, interpretive and critical comprehension, reading speed and vocabulary) through wide and responsive reading of content area material.

ENGL 1181 Honors Composition I **3 Credits**

Prerequisite: Honors Program or by Permission of Department

Students are educated to become lucid and flexible thinkers who can present their ideas persuasively to others. They read and write with emphasis on critical analysis and persuasion. The ability to write clearly organized and logically developed brief essays is assumed. Students are required, and shown, how to choose among the methods of development, to maintain a consistent and appropriate tone and point of view, to select the appropriate materials and to organize effectively.

ENGL 1182 Honors Composition II **3 Credits**

Prerequisite: Honors Program or by Permission of Department

Students read literature as a basis for learning writing techniques. Further practice in the definition, evaluation, organization and effective presentation of the ideas and materials which constitute writing is emphasized.

ENGL 2013 Introduction to Linguistics **2 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 1102

Students gain an understanding of the basic concepts in linguistics, particularly semantics, phonetics, socio-linguistics and the recent theories of language. Students learn to apply their theoretical knowledge to the study and discussion of grammar and communication in general.

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- ENGL 2023 Critical Writing and Thinking** **3 Credits**
Prerequisite: A Grade of "C" or Above in ENGL 1102
Students apply the logical rigors involved in thinking critically. A practical knowledge of the use of reason in all forms of communication is emphasized. Students also develop the intellectual tools necessary to evaluate argument, differentiate between fact and opinion and examine communicative texts for fallacies.
- ENGL 2033 Intermediate Composition** **3 Credits**
Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112
Students write intensively, developing a polished style and gaining facility in various paradigms. Employing word processing and revising extensively, they write in such forms as autobiography, journals, annotated bibliographies, argumentative essays, reviews, commentaries, case studies and profiles and sketches.
- ENGL 2053 Introduction to Technical Report Writing** **2 Credits**
Prerequisite: A Grade of "C" or Above in ENGL 1102
Students practice systematic preparations for report writing, effective organization and writing style and the major forms of business or professional writing formats.
- ENGL 2073 On-Line Communication** **3 Credits**
Prerequisite: A Grade of "C" or Above in ENGL 2053
Through On-Line Communication, students develop an understanding and practical knowledge of the history of on-line communication, its practical use and the construction, writing, and posting of electronic text. Students apply theoretical knowledge to the practice of electronic communication ranging from e-mail to the World Wide Web.
- ENGL 2111 World Literature I** **3 Credits**
Prerequisite: A Grade of "C" or Above in ENGL 1102
Students examine world literature from antiquity to the early modern period through a comparative study of the classics of Judeo-Christian culture as well as representative texts from other cultures including those of Asia, Africa, the Middle East and the Americas.
- ENGL 2112 World Literature II** **3 Credits**
Prerequisite: A Grade of "C" or Above in ENGL 1102
Students engage in the study of world literature from the early modern period to the present day. Students make a comparative study of representative works from literary and cultural traditions from around the world.
- ENGL 2118 Honors World Literature I** **3 Credits**
Prerequisites: A Grade of "C" or Above in ENGL 1102 or ENGL 1182 and Permission
Students enrolled thrive on a heightened intellectual challenge of more advanced reading material and a greater demand for sharpening literary style. The most important aim is to focus on critical thinking about literature and introduce students to more formal study of style and rhetoric.
- ENGL 2121 A Survey of English Literature I** **3 Credits**
Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112
Students examine selected major and minor authors and works from the Old English Period to the eighteenth century, analyzing their place in their historical and social contexts and evaluating their artistic achievement.

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ENGL 2122 A Survey of English Literature II **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students survey literature from the British Isles and countries which were formerly British colonies (excluding the United States). Students undertake a comparative study of authors and works from different regions and literary periods from 1750 to the present.

ENGL 2131 A Survey of American Literature I **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students examine major and minor American authors and works from the early colonial period to the civil war, with particular reference to their artistic achievement and to their historical and social contents.

ENGL 2132 A Survey of American Literature II **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students examine the major authors and major works from the Civil War to contemporary times, with particular reference to their artistic achievement and to their historical and social contexts.

ENGL 2143 Introduction to Research **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students practice the collection, analysis and synthesis of information from primary and secondary sources, often from the Internet. Emphasis will be on original thought, objective and thorough consideration of sources, mature written expression and proper citation of sources.

ENGL 2153 The Grammar of Literary Criticism **2 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students gain an understanding of the principles and conceptual tools necessary for interpretation and appreciation of literary works. Students identify essential elements of literary aesthetics, recognize rhetorical devices, and differentiate and evaluate various genres of literature.

ENGL 2163 Studies in Literature **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students examine selected authors and works with attention to social, cultural and literary contents. Appropriate critical approaches to the genre will be examined and applied to the works.

*Course topics vary and the course may be repeated for credit.

2163.01	Science Fiction
2163.02	Comic Books
2163.03	Women in Literature
2163.04	Mythology
2163.05	Sports in Literature
2163.06	Minorities in Literature
2163.07	Mysteries and Detective Fiction
2163.08	Ancient Literature
2163.09	Biography and Autobiography
2163.10	War Literature
2163.11	Appalachian Literature
2163.12	Georgia Writers
2163.13	Sacred Texts
2163.14	Asian Literature
2163.15	Native American Literature
2163.16	The Image of the African American in Literature

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2163.17	Slave Narrative
2163.18	The Adolescent in Literature
2163.19	Southern Culture in Literature
2163.20	Tolkien
2163.21	Folk Heroes in Literature

ENGL 2193 Technical and Professional Writing Practicum I **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2053

Students are directed in the performance of writing, design, editing, speaking and/or technology-related activities in a professional work environment on campus.

ENGL 2303 Cooperative Education Internship I **3 Credits**

Prerequisite: Department Permission

Students are involved in a work experience planned and coordinated with cooperating agencies to provide on-the-job training related to students' classroom training. The type of work for credit must be approved and evaluated by the department. The internship is repeatable (with a different course number) for a total of 9 hours used toward graduation requirements.

ENGL 2313 Cooperative Education Internship II **3 Credits**

Prerequisite: Department Permission

Students are involved in a work experience that is planned and coordinated with cooperating agencies to provide on-the-job training related to students' classroom training. The type of work used for credit must be approved and evaluated in advance by the department. The internship is repeatable (with a different course number) for a total of 9 hours used toward graduation requirements.

ENGL 2323 Cooperative Education Internship III **3 Credits**

Prerequisite: Department Permission

Students are involved in a work experience planned and coordinated with cooperating agencies to provide on-the-job training related to the student s classroom training. The type of work for credit must be approved and evaluated by the department. The internship is repeatable (with a different course number) for a total of 9 hours used toward graduation requirements.

ENGL 3013 History of the English Language **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students study English phonology, grammar and lexicon, beginning with prehistory and tracing development of the language through Old English, Middle English, Early Modern English and Modern English. Students give special attention to development of English in America as influenced by African languages, Spanish and other European languages and developments in Asia, as well as by migration and other trends within the United States.

ENGL 3033 Black Heritage **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students study African-American literature, art and music from the 17th century through the 20th century. Keeping in mind that African-American literature, art and music are American and not a tradition totally apart from the main development, these works will be studied in light of this development.

ENGL 3113 Advanced Composition **3 Credits**

Prerequisites: A Grade of "C" or Above in ENGL 1102, and ENGL 2111 or ENGL 2112

Students learn the principles of and have extensive practice in writing effectively using various paradigms including argumentative, narrative, personal and analytical. While the focus of the course is writing and revising, students also learn basic concepts and techniques of rhetoric

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and stylistics.

ENGL 3123 Creative Writing **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students become initiated into the craft of literary artistry and learn to employ standard techniques of writing. They strengthen the habits and processes which nurture the imagination. Students write in prose and verse form, practice the use of current and traditional literary conventions and learn to use the process of revision as a creative force.

ENGL 3153 Advanced Technical and Professional Writing **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2053

Students practice aspects of writing as a professional person demonstrated in the production of proposals, reports, literature reviews, outlines, abstracts, oral presentation and text discourse in multimedia.

ENGL 3173 Business and Technical Communication **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 1102

Students develop an understanding of the proper use of written, spoken and electronic communication in the professional and technical setting. Students develop an understanding of the various forms of communication and a practical knowledge of their use.

ENGL 3183 Professional Editing **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2053

Students study and practice technical and scientific editing skills, develop and improve the effectiveness of their personal writing skills, engage in effective peer-editing and complete a major editing project.

ENGL 3193 Technical and Professional Writing Practicum II **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2053

In a professional work environment on campus, students are directed in the performance of writing, design, editing, speaking and/or technology-related activities which provide a service to the office employing the student during the practicum. Students must assume independent responsibility for at least one task or aspect of their job assignment.

ENGL 3203 Technical and Professional Writing Internship I **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2053

In a professional work environment in business, in the community or in government, students are directed in the performance of writing, design, editing, speaking and/or technology-related activities which provide a service to the employers during the internship.

ENGL 3233 Medieval English Literature **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students examine major works and a selection of minor works of Old English and Middle English literature, ending at about 1500. They discuss and analyze common themes and genres and become familiar with the major lines of critical thinking about the period.

ENGL 3243 Renaissance and Earlier 17th Century Literature **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students examine major works and a selection of minor works in English from 1500 until 1660. They trace historical, cultural and aesthetic influences that stimulated and formed the great flowering of literature of which Spenser, Shakespeare and Milton are exemplars. They also become familiar with the major lines of recent critical thinking about the period.

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ENGL 3253 18th Century British Literature **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students engage in an intensive study of the poetry and prose of the 18th century (1660-1800), with special attention being given to Dryden, Defoe, Swift, Pope and Johnson.

ENGL 3263 British Romanticism **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2122 or Permission

Students study the principal writers of the Romantic Movement, including Burns, Blake, Wordsworth, Coleridge, Byron, Shelley and Keats, and such prose writers as Hazlitt, DeQuincey, Hunt, Lamb and Scott. Emphasis is placed on their historical and cultural relations to the period.

ENGL 3273 Victorian Literature **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students examine major and representative authors of Great Britain from 1830 to 1901, focusing on social and cultural aspects, and the particular stylistic and literary contributions of individual authors such as Thomas Carlyle, Charles Dickens, Alfred Lord Tennyson, John Stuart Mill, Charlotte Bronte, George Eliot, Walter Pater and Gerard Manley Hopkins. Special attention is given to important genres of the period: the novel, nonfictional prose and poetry.

ENGL 3283 Modern British Literature **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students examine major and representative authors of Great Britain, and former colonies, from 1901 through the present, focusing on social and cultural aspects, and the particular stylistic and literary contributions of individual authors such as Thomas Hardy, Joseph Conrad, William Butler Yeats, Virginia Woolf, James Joyce, D. H. Lawrence, T. S. Eliot, Nadine Gordimer, Iris Murdoch, Derek Walcott, and Harold Pinter. Genres covered include the novel, the short story, poetry and drama.

ENGL 3313 American Literature, 1620 - 1820 **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students study American literature of the Colonial, Revolutionary, and early National periods, with special emphasis on leading colonial writers such as Winthrop, Taylor, and Bradstreet. Revolutionary writers such as Paine, Jefferson and Franklin, and early national writers such as Wheatley, Freneau and Barlow are studied.

ENGL 3323 American Romanticism **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students study the poetry and prose of the Romantic period of American literature, including that of Emerson, Thoreau, Fuller, Douglass, Hawthorne, Melville and Whitman.

ENGL 3333 American Realism and Naturalism **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students examine fictional works of realism, local color, psychological realism and naturalism and related works from other genres, with particular reference to their artistic achievements, contributions to the realism movement and both global and national historical and social contexts.

ENGL 3343 Contemporary American Literature **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students examine representative authors of the United States from 1930 through the present, focusing on social and cultural aspects, as well as particular stylistic and literary contributions of individual authors such as Robert Frost, Eugene O'Neill, Wallace Stevens, Zora Neale

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Hurston, William Faulkner, Langston Hughes, Ralph Ellison, Tennessee Williams, Adrienne Rich, John Updike, Maxine Hong Kingston and Toni Morrison. Genres covered include the novel, the short story, poetry and drama.

ENGL 4013 Advanced Linguistics **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students learn principles of descriptive and structural linguistics, focusing on morphology, syntax, lexicon and the way language relates to literature and culture.

ENGL 4033 Introduction to African American Literature **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students engage in a critical and historical study of African-American literature in its social, cultural and literary context from Olaudah Equiano to the present.

ENGL 4043 African American Prose Fiction **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students study the most significant literary prose fiction writing -- the short story and novel by African Americans, with emphasis upon their aesthetic, cultural, racial, social and historical insights and values.

ENGL 4053 African American Poetry and Drama **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students take an in-depth study of the African American's contributions to lyric poetry and drama in the 20th century, considered against the intellectual and social backgrounds of American life and letters, with special emphasis on works written during the Harlem Renaissance and beyond.

ENGL 4103 Chaucer **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students study major and minor works of Geoffrey Chaucer, in particular, The Canterbury Tales and Troilus and Creseyde. For context and comparison, they read other writers of the time like William Langland, John Gower and the Pearl poet. Students also examine a number of critical approaches and apply them to the works studied.

ENGL 4113 Shakespeare **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students study Shakespeare's sonnets and selected comedies, tragedies and chronicle plays in relation to the literature and conventions of Elizabethan and Jacobean England, with attention to historical and cultural milieu. They trace the development of his poetic art and dramaturgy. Students also examine a number of critical approaches and apply them to the works.

ENGL 4123 Milton **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students study John Milton's prose and poetry, focusing on the major poems: Paradise Lost, Paradise Regained and Samson Agonistes. They delineate the place of his work in the late English Renaissance with reference to the conventions of the Classical Era and to historical and cultural developments in the 17th Century. Students also examine a number of critical approaches and apply them to the works.

ENGL 4153 Critical Theory **3 Credits**

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students learn the fundamentals of literary criticism with special emphasis on recent trends in literary theory and extensive application of selected critical methodologies. Regardless of the

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methodology or practical approach, students understand essential concepts in criticism and produce intensive in-depth analysis of works in selected genres.

ENGL 4183 Capstone Senior Seminar (Literature Track) 3 Credits

Prerequisite: Senior Standing in English Major

Students research a literary topic, write a critical research paper and share their findings before a panel of evaluators (using computer with graphics and Power-Point presentation). Team editing and evaluation will be a part of this project and will be assessed. Prior to attempting the Senior Project, students, with the guidance of the instructor, do a culminating assessment of his or her portfolio of works as a literature major. Majors are assessed using a national standardized test, possibly the Major Field Achievement Test by ETS.

ENGL 4193 Capstone Senior Seminar (Writing Track) 3 Credits

Prerequisite: Senior Standing in English Major

Students research an agreed upon field of study, write a professional or technical report on the findings and make a computer graphics or Power-Point presentation before a panel of evaluators. Team editing and evaluation will be a part of this project and will be assessed. Prior to attempting the Senior Project, students, with the guidance of the instructor, will assess his/her writing portfolio. A nationally standardized test will be completed as part of the requirements of the course.

ENGL 4203 Technical and Professional Writing Internship 3 Credits

Prerequisite: A Grade of "C" or Above in ENGL 2053

While in a professional work environment in business, in the community or in government, students are directed in the performance of writing, designing, editing, speaking and/or technology-related activities which provide a service to the employer during the internship. Student must assume independent responsibility for at least one task or aspect of the job assignment.

ENGL 4413 Major Authors 3 Credits

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students study major and minor works of one author. For context and comparison, they read other writers of the time. Students also examine a number of critical approaches and apply them to the works. This course may be taken more than once under different subheadings.

ENGL 4713 Genre: Fiction 3 Credits

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112In genre courses in fiction, students intensively study prose fiction from a variety of cultures and periods. Fiction may include courses in the British novel, the American novel, the African-American novel, the post-colonial English novel, the African novel, women novelists, the short story and journalistic fiction. This course may be taken more than once under different subheadings.

ENGL 4763 Genre: Poetry 3 Credits

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students study major and minor works demonstrating the emergence and development of a given genre or period of poetry along with related conventions. Students will also examine a number of critical approaches and apply them to works. This course may be taken more than once under different subheadings.

ENGL 4793 Genre: Drama 3 Credits

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students study major and minor works of a genre of drama demonstrating the emergence, development, and major themes of that dramatic genre as well as related conventions during

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the historical period in question. Students also examine a number of critical approaches and apply them to works. Specific genres may include Jacobean Drama, Greek Tragedy, Restoration Theater, Theater of the Absurd or post-modern drama. This course may be taken more than once under different subheadings.

ENGL 4873 Special Topics

3 Credits

Prerequisite: A Grade of "C" or Above in ENGL 2111 or ENGL 2112

Students study language and/or literary works related by a theme or an issue. Students also examine a number of critical approaches and apply them to the works. This course may be taken more than once.

Educational Psychology (ESPY)

EPSY 2413 Human Growth and Development

3 Credits

The student will learn to explain, apply, analyze and synthesize essential concepts, research and theory in the field of human development - particularly that most relevant to children in the early and middle grades. The student will also demonstrate an understanding of the implications of prominent theory and research for student learning, instruction and curriculum organization. The potential application of the findings in brain research to learning and teaching diverse students is also an emphasis. The student will acquire the ability to collect, analyze and interpret information for use in planning for effective developmentally-appropriate teaching and learning.

EPSY 2433 Educational Psychology

3 Credits

Prerequisite: COMP 1301 or Consent of the Instructor

Students will learn about the field of educational psychology and gain essential knowledge of the research, principles and theory that make it essential to understanding how to help diverse students reach higher levels of achievement. The student will gain an understanding of the important forms of knowledge that a teacher must possess to ensure more effective instruction, principles of motivation, behavior management techniques and the most effective means of promoting and assessing student learning.

Family and Consumer Sciences (FCSC)

FCSC 1811 Orientation to Family and Consumer Sciences

1 Credit

Students gain an awareness of the history, philosophy and ethics of the profession of family and consumer sciences. Students form a knowledge base for evaluating personal and professional career choices. Field Experiences are required for Family and Consumer Sciences Education majors.

FCSC 1813K Textiles

3 Credits

Students study fiber, yarn and fabric construction. Emphasis is on the understanding of textiles from the consumer's point of view; care and maintenance of textiles included.

FCSC 1831 Introduction to Technology in the Profession

1 Credit

Incoming freshman are introduced to the technological innovations widely used with the Family and Consumer Sciences profession. Students are introduced to and utilize library data bases, specialized computer software, distance learning technology, professional journals and other education media which will assist them in preparing class assignment, making class and professional presentations and completing research based literature reviews.

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FCSC 2200 Effective Living **2 Credits**

An interdisciplinary course which enables students to explore interpersonal and family relationships, family issues as impacted by societal problems and problem solving techniques. Additional concepts include budgeting, planning, credit management and other consumer issues, as well as the social graces requisite to interactions in various situations.

FCSC 2803 Supervised Field Experiences **1-3 Credits**

Students work, travel, and attend institutes and conferences or other such professional experiences. Credit varies.

FCSC 2821 International Issues and the Profession **1 Credit**

Students explore world issues as they relate to interdependence, global views, culture and families. Students develop knowledge, interests in and attitudes toward people of the world. Students identify the roles of family and consumer sciences professionals around the world. International problems related to nutrition, education, housing and child care are critiqued, and students participate in active problem solving strategies which may be applied to global problems.

FCSC 2833 Management: Systems, Theory and Practice **3 Credits**

Students gain an awareness of family management systems, theory and practice through an analysis of diverse management systems. Exploration and analysis of management systems principles, relationships of attitudes, values and goals and the role of decision making on family management styles empower students to be effective and efficient managers of all their resources, especially time, energy, and financial resources.

FCSC 2841 Seminar **1 Credit**

Students study, analyze and evaluate current concerns and/or controversial issues in family and consumer sciences. Students develop a knowledge base for evaluating personal, societal and political issues affecting professionals in family and consumer sciences education. Field experiences are required.

FCSC 2854K Art and Design in the Microenvironment **3 Credits**

Students study fibers, yarns, fabrics and finishes with emphasis on the interrelationships among these components and their impacts on product performance and satisfaction. A broader focus on selecting furnishings and industrial and apparel products, with emphasis on aesthetics, care and fiber performance, is included. Also, laws and regulations regarding labeling and environmental issues are explored.

FCSC 2872 Community Involvement and Volunteerism **2 Credit**

Students are introduced to the concept of community involvement and volunteerism to heighten their interests in community development and participation. They participate in agencies such as Habitat for Humanity, Department of Family and Children Services, mentoring programs, After School, Red Cross, etc. Needs assessment, program planning, evaluation and resources issues are key concepts included.

FCSC 3882 Housing and Home Furnishings **2 Credits**

Students study, analyze and evaluate current trends in housing for a better understanding of the relationship of humans to their environment. Students analyze interior and exterior aspects of human environments in meeting the needs of families and individuals in the next century.

FCSC 3894K Apparel Construction **4 Credits**

Prerequisite: FCSC 1813 or FCSC 2854

Students study the sociological and psychological aspects of apparel selection. Basic

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principles of art, elements of design, historic costume and construction are studied.

FCSC 3903 Supervised Field Experiences **1-3 Credits**

Students are granted credit toward graduation through approved work, travel, international or nontraditional study and other related types of experiences. Work experiences are coordinated with agencies - local, state, federal and international. Topics include principles of art applied to color combinations, fabric variety and style accents. Emphasis is placed on originality in sketching, flat pattern techniques and creation of an original design.

FCSC 3913 Home Management Residence **3 Credits**

Prerequisites: FDNU 1804 and FCSC 2833

Students participate in a laboratory setting to plan, execute and evaluate activities related to meal planning and services, housing, management, family interaction and entertainment. Students also learn operational procedures and computerized record keeping as basic skills for efficient and accurate home management.

FCSC 3933K Special Clothing Problems **3 Credits**

Students are provided opportunities and experiences in sewing men's wear, children's wear, lingerie, and pants fitting in apparel and accessories of clothing and home. Some activities include embroidery, macrame jewelry/flower making and leather work as used to embellish furnishings and apparel.

FCSC 3951 Textile Arts **1 Credit**

Students study both antique and current textiles arts. Exact activities vary to meet the specific needs and interests of students. Suggested areas include fabric decoration, weaving, leatherwork and creative needlework.

FCSC 3961 Clothing and Human Behavior **1 Credit**

Students explore the sociological and psychological factors of dress. The perception of dress and its impact are critical components of the course.

FCSC 3972 History of Costume **2 Credits**

Students survey the development of clothing use and style from pre-historic times to the present. Emphasis is placed on 20th century fashion development and analyses of fashion trends, historical sources, and inspiration for use of natural apparel design.

FCSC 4794 Curriculum and Methods in Family and Consumer Sciences **4 Credits**

Prerequisites: Unconditional Admission to Candidacy for Teaching

Students plan curricula, write lesson plans, develop instructional materials, identify resources and prepare assessments for middle and secondary family and consumer sciences programs. Students observe and participate in the presentation of content in the various areas of the curriculum. Field experiences are required.

FCSC 4893K Apparel Design **3 Credits**

Students study the importance of fit and the adaptation of fitting techniques to the pattern. Emphasis is placed on pattern alterations. A basic dress is fitted and used to define alternations for a final garment. A broader focus on designing and flat pattern techniques is included.

FCSC 4994K Tailoring **4 Credits**

Students study topics to include advanced methods in clothing construction, finishing details, handling of unusual fabrics and designs, custom tailoring processes with quality construction details of fitting and finishing of tailored garments. The construction of a tailored suit or coat

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is required.

FCSC 4998 Student Teaching in Family and Consumer Sciences **12 Credits**

Students demonstrate effective teaching practices, effective use of instructional materials and resources, effective planning strategies for meeting needs of a diverse student population, and effective methods of assessment of learning, while student teaching for the full semester in a public classroom setting.

Food and Nutrition (FDNU)

FDNU 1804K Contemporary Food and Nutrition **4 Credits**

Prerequisite: FENU 1804

Students learn the basic concepts of nutrition, including the function and utilization of food by the body and the relationship of nutrition to health and efficiency at all stages of the life cycle. Table etiquette, techniques of basic cooking and the effects on nutrient retention, food safety, palatability and presentation are also included.

FDNU 2811 Seminar in Food Nutrition **1 Credit**

Students become knowledgeable of the physiological and biochemical aspects of digestion, absorption, metabolism and excretion of food nutrients. Evaluation of nutrient requirements of people of different age and physiological levels, recommended dietary allowances, nutritional effects of human body composition and laboratory studies in human metabolism and nutritional status are studied.

FDNU 3832 Maternal and Child Nutrition **2 Credits**

Prerequisite: FDNU 1804K

Infant/child development majors develop an understanding of nutrition in pregnancy, lactation, the first year, middle years of childhood and of evaluation of nutrient requirements for infants and children at different ages and nutritional levels. Recommended dietary allowances and nutritional effects on infants and children are stressed.

FDNU 3833 Life Span Nutrition **3 Credits**

Prerequisite: FDNU 1804K

Students understand the basic nutritional requirements of family members according to gender, age, body size and physical activity. Specific consideration is given to the nutritionally vulnerable groups-young and senior women, infants and children.

FDNU 3843 Food Preservation **3 Credits**

Prerequisite: FDNU 1804

Students demonstrate the principles involved in food preservation and methods at home and in commercial food processing. Modern up-to-date as well as traditional food preservation methods are included in the course.

FDNU 3853 International Foods **3 Credits**

Prerequisites: Unconditional Admission to candidacy for Teaching. Successful completion of all content courses in major passing, passing score on Praxis I and II.

Students learn about food behavior, culture and cuisine of people from various countries. Topics studied include food ways (cultures, taboos and habits), terminology associated with food, and the methods of preparing and serving international foods. An understanding of food behaviors of sub-cultures in America and other countries is fostered.

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FDNU 4832 Community Nutrition **2 Credits**

Prerequisites: FDNU 1804, FDNU 3833.

Guidelines of good nutrition and public health for the community are provided. Students learn the environmental and demographical issues related to public health.

FDNU 4863K Meal Planning Management **3 Credits**

Prerequisites: FDNU 1804, 3833

Meal planning skills, such as organization and the management of time, energy, money and resources are developed by students. Topics include meal planning and menu making, food purchasing and handling, cost and portion control and use and care of equipment.

FDNU 4873K Diet Therapy **2 Credits**

Prerequisite: All FDNU Courses Through Senior Level. For Majors Only

Students become aware of nutritional needs of the human body, major functions of nutrients in maintaining health, nutritional diseases caused by the deficiency or excess nutrient and treatments of such diseases, metabolic disorders which can be controlled by specific diet therapy and the role of dietitians in hospitals.

FDNU 4893 Cellular Nutrition **3 Credits**

Prerequisite: All FDNU Courses Through Junior Level

Primarily food and nutrition majors are involved in developing understanding of the physiological and biochemical aspects of digestion, absorption, metabolism and excretion of food nutrition.

FDNU 4903K Institutional Foods **2 Credits**

Prerequisite: All Courses Through Junior Level

Students solve problems of food handling on a large scale. Activities such as practical experiences in planning, preparing and serving food for large groups, calculation of food costs and the use of standardized recipes and institutional equipment are included.

FDNU 4912K Experimental Foods **2 Credits**

Prerequisite: FDNU 1804 Students conduct food testing formulation and recipe analyses in relation to food preparation and produce development. Laboratory experiences, test kitchen procedures and demonstration techniques are included in the course.

FDNU 4921 Seminar in Nutrition **1 Credit**

Prerequisite: Senior Standing

Students review the literature, write reports and make oral presentations on the physiological and biochemical aspects of digestion, absorption, metabolism and food nutrients. They review current issues on world nutrition--advanced countries as well as Third World nutrition.

French (FREN)

FREN 1001 Elementary French I **3 Credits**

Students learn basic pronunciation and grammar and develop the ability to listen, understand, speak, read and write French with reasonable proficiency, as well as acquire some knowledge and awareness of French and francophone cultures.

FREN 1002 Elementary French II **3 Credits**

Prerequisite: FREN 1001 or Equivalent

Students acquire advanced proficiency in French using the integrated approach. Mastery in the basic skills of speaking, listening, reading and writing the language and knowledge of cross-cultural awareness are emphasized. Students further develop practical vocabulary and

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accurate pronunciation.

FREN 1004 Basic French Reading I **3 Credits**

Students develop the ability to read, translate, and comprehend French in a variety of subject matter focused on the arts and sciences with reasonable proficiency. Students focus on vocabulary building, and language structure, and acquire some knowledge and awareness of French and Francophone cultures.

FREN 1005 Basic French Reading II **3 Credits**

Prerequisite: FREN 1004 or Equivalent

Students acquire advanced mastery in reading, translating, and comprehension skills through a study of more complex subject materials. Students study readings that concentrate on common and specialized vocabulary as well as the fundamentals of grammatical structure. Students also gain more knowledge and awareness of French and francophone cultures.

FREN 2001 Intermediate French I **3 Credits**

Prerequisite: FREN 1002 or Equivalent

Students reinforce mastery of the four basic skills while extending knowledge of the language through emphasis on oral and written presentations and more complex grammatical structures. French and francophone cultures are studied through a systematic approach to the development of syntax and style.

FREN 2002 Intermediate French II **3 Credits**

Prerequisite: FREN 2001 or Equivalent

Students continue to build their French vocabulary and review or practice complex grammatical forms through structured oral and written exercises. Students contrast literal and idiomatic expressions in French. They study French and Francophone themes and daily life.

FREN 3013 French Phonetics and Conversation **3 Credits**

Prerequisite: FREN 2002 or Equivalent

Students study basic descriptions of French sounds and their production, analysis of sounds and laboratory practice as well as conversational practice.

FREN 3023 French Review Grammar and Composition I **3 Credits**

Prerequisite: FREN 2002 or Equivalent

Students become acquainted with and practice the basic elements of grammar and usage essential to improved competence in written expression and usage in advanced setting.

FREN 3033 French Review Grammar and Composition II **3 Credits**

Prerequisite: FREN 3023 or Equivalent

Students continue to reinforce and review grammar and usage of the work gained at the intermediate level while extending their knowledge of the language and improving oral proficiency. French and francophone cultures continue to be studied.

FREN 3043 French Civilization and Culture **3 Credits**

Prerequisite: FREN 3033 or Equivalent

Students develop their appreciation for the political, cultural, social, religious, educational and economic life of the French people.

FREN 3053 Survey of French Literature from Middle Ages Through the 18th Century **3 Credits**

Prerequisite: FREN 3043

Students study the most important literary productions of France from the Middle Ages

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through the 18th century. Students become acquainted with the history of French literature and the course provides them with a perspective on the literature which prepares them for more detailed courses.

FREN 3063 Survey of French Literature from the 18th Century Through the Present **3 Credits**
Prerequisite: FREN 3043

Students study the most important literary productions of France from the 18th century through the present. Students become acquainted with the history of French literature and the course provides them with a perspective on the literature which prepares them for more detailed courses.

FREN 4013 Special Topics in Foreign Language Education (Capstone Course) **3 Credits**
Prerequisite: By Departmental Consent

Students study and research the content area relating to secondary education, French language or literature. The course also provides an opportunity for preparation for the Praxis II examination or other professional examinations.

FREN 4023 Independent Studies in French **3 Credits**
Prerequisite: By Departmental Consent

Students are provided with intensive independent study of special areas of French language or literature.

FREN 4033 Studies in 17th Century French Literature **3 Credits**
Prerequisite: FREN 3053

Students study literature of the French classical period with emphases on selected works of Corneille, Racine, Moliere and LaFontaine. Attention is given to the reflection of the political, social, religious and economic currents on the literature of the period.

FREN 4043 Studies in 18th Century French Literature **3 Credits**
Prerequisite: FREN 3053, FREN 3063

Students study French thought during the 18th century as it is expressed in the selected works of Montesquieu, Voltaire, Rousseau and Diderot. Attention is given to the reflections of the political, social, religious and economic currents on the literature of this period.

FREN 4053 Studies in 19th Century French Literature **3 Credits**
Prerequisite: FREN 3063

Students are acquainted with the main currents in the development of 19th century French literature and their relationships to the social, political and economic atmosphere during that century. A survey of 19th century poetry and prose is provided.

FREN 4063 Studies in 20th Century French Literature **3 Credits**
Prerequisite: FREN 3063

Students survey the various genres of the century, with emphasis on selected works of such authors as Gide, Sartre, Camus, Claude, and Senghor. The writings of these and other authors will be correlated with current social, political, religious and economic trends.

Orientation (FVSU)

FVSU 0100 Orientation to the University **1 Credit**
Students gain an understanding of the history, policies and services of the university. They acquire the college survival skills needed to adjust and survive at the university and the

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techniques and skills needed to make realistic career choices.

FVSU 1008 University Life and Thought

1 Credit

University Life and Thought is a Freshman Year Experience class for liberal arts majors and other students wishing an introduction to the University. Students will participate in discussions and assignments led by faculty who teach in the various liberal arts fields.

Geography (GEOG)

(F=Fall Semester, Sp=Spring Semester, S=Summer, TBS=To be Scheduled)

GEOG 1230 Introduction to Physical Geography

3 Credits (3-0) F, Sp, S

Students survey the earth's physical landscape and are enabled to describe and explain the global patterns of landforms, climate, natural vegetation and soils. Students are able to appreciate the role of our physical environment in influencing, constraining and directing our activities, and will be able to make more informed decisions regarding how our earth resources should be utilized. The basic principles of map construction and interpretation are studied.

GEOG 1231 Introduction to World Regional Geography

3 Credits (3-0) F, Sp, S

Students survey the world's varied cultural landscapes. Using either a regional or systematic approach, students are able to describe and explain global patterns of culture, including population, language, religion, economic activities and systems and political organization. The basic principles of map construction and interpretation are understood.

GEOG 1232 Introduction to Weather and Climate

3 Credits (3-0)

Students will study atmospheric composition and structure. Basic principles of cloud formation, precipitation, and atmospheric motion and winds are understood. Students become acquainted with weather systems and global climates.

GEOG 2576 Introduction to Geographic Information System

3 Credits (2-2) TBS

Prerequisite: MATH 1154

Students will explore the principles and applications of Geographic Information Systems (GIS). In addition, students will examine the nature and accuracy of spatially referenced data as well as methods of Data capture, storage, visualization, modeling and output using GIS software (for example ArcView 3.2 and 8.2).

GEOG 3300 Geography and Geology of Georgia

3 Credits (3-0) TBS

Students study a survey of the physical and historical geology of Georgia, with emphasis on the influences of geographic resources on the development of settlement patterns from the time of the first Americans.

GEOG 3301 Geographic Data Analysis

3 Credits (3-0) TBS

Students will learn methods and techniques required at various stages of geographic data analysis, including the collection, manipulation, description, presentation analysis and interpretation of data. Students will use statistical and GIS software packages on microcomputers and integrate data analysis with geographical information systems.

GEOG 3302 Economic Geography

3 Credits (3-0) TBS

Students study the location and functioning of economic activity with emphasis on physical and human geographic factors in analyzing patterns of production, exchange and consumption.

GEOG 3303 Urban Geography

3 Credits (3-0) TBS

Students learn theories of inter and intra-urban locations. Procedures in geographical analysis

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of agglomerated settlements, including demographic, economic, and social attributes.

GEOG 3305 Climatology **3 Credits (3-0) TBS**

Students will examine the range of weather patterns from local to global. Students will also study how to access data sources and relationships of climate with ecosystem processes and human activities, climate forecasting and the use of the Internet.

GEOG 3400 Methods of Geography Research I **3 Credits (3-0) TBS**

Historical trends in geographic research today; special emphasis is placed on recent technologies available to geographers such as cartography. Advanced statistical analysis software.

GEOG 3404 Locational Analysis **3 Credits (3-0) TBS**

Prerequisites: GEOG 2302, GEOG 2500, or By Permission

Students learn the geography of retail industry, activity and consumer demand. Students will also study the principles of locational decision making for retail and service firms.

GEOG 4400 Geographic Information Systems **3 Credits (3-0) TBS**

Students will study the principles and applications of Geographic Information Systems (GIS). Additionally, students will examine the nature and accuracy of spatially referenced data, as well as methods of data capture, storage, retrieval, visualization, modeling and output using one or more GIS software.

GEOG 4401 Geography of Population **3 Credits (3-0) TBS**

Students analyze world population from a geographic perspective. Special attention will be devoted to the distribution of human population, migration trends and the differential demographic characteristics of the economically developed and the lesser developed countries of the world.

GEOG 4402 Conservation and Ecology **3 Credits (3-0) TBS**

Students study the location of resources with an emphasis on the U. S. and how the use and misuse of these resources affect life. A survey of present conservation practices is conducted with planning for future usages.

GEOG 4404 Geography of North America **3 Credits (3-0) TBS**

Students learn the major physical, cultural, and economic patterns of the United States and Canada. Students learn how these patterns have created the regions of North America, how human patterns have changed over time and how they continue to evolve are understood.

GEOG 4405 Geography of Africa **3 Credits (3-0) TBS**

Students learn the patterns of landforms, climate, natural vegetation, population, economic activities and political organization found in Africa. Students become familiar with the economic development process, the role of Africa in the global economy and the geopolitical significance of Africa.

GEOG 4406 Methods of Geography Research II **3 Credits (3-0) TBS**

Students become familiar with some of the historic trends in geographic research and learn what geographers are doing today. Special emphasis is placed on recent technologies available to geographers such as, geographic information systems, global positioning systems, cartography, advanced statistical analysis software, etc. Students learn to design a research project within their area of geographic interests.

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GEOG 4407 Geography of Asia **3 Credits (3-0) TBS**

Students learn the patterns of landforms, climate, natural vegetation, population, economic activities, and political organization found in Asia. Students become familiar with the economic development process, the role of Asia in the global economy, and the geopolitical significance of Asia.

GEOG 4415 Urban and Regional Development **3 Credits (3-0) TBS**

Prerequisites: GEOG 3303 or By Permission

Students study urban growth and approaches to urban analysis. Urbanization process within urban systems including economic patterns of the United States and Canada and how the patterns have changed over time.

GEOG 4426 Applied Climatology **3 Credits (3-0) TBS**

Prerequisites: By Permission

Students will study the interaction of climate with organisms, communities and ecosystems. Students will explore mechanisms of heat flow, radiation exchanges and water vapor flux, statistical methods used with climatic data. They will also examine bio-climatic methods used to improve environmental impact assessment and case studies that demonstrate the role of climate in ecosystem function.

GEOG 4500 Spatial Analysis **3 Credits (3-0) TBS**

Prerequisite: MATH 1154

Students will study descriptive and inferential techniques used in quantitative geographic analysis. Applications of statistical methods to spatial analysis and geographic research designs will be explored.

GEOG 4690 Seminar in Geography **3 Credits (3-0) TBS**

Prerequisite: GEOG 3400

Students will demonstrate ability to write succinctly and be able to interpret and communicate data derived by quantitative method.

Geology (GEOL)

GEOL 1121 An Introduction To Physical Geology **4 Credits**

Students demonstrate an understanding of the formation of the solar system, the planet Earth, the continents and rocks and minerals which give them a better comprehension of earth processes such as earthquakes and volcanoes, and mineral and fossil fuel exploration. Students gain a global perspective of the environment, including the hydrosphere, the biosphere and the atmosphere.

GEOL 1122 Earth History **4 Credits**

Students gain an understanding of physical history of the earth from its origin as a planet through the Great Ice Age. They acquire a balanced perspective on the history of continents with emphasis on North America.

GEOL 2204 An Introduction To Mineral Sciences **4 Credits**

Prerequisites: GEOL 1121 or By Permission; CHEM 1121 or CHEM 1122 or Concurrent Enrollment

Students demonstrate an understanding of crystallography, crystal chemistry, optical properties and identification of minerals utilizing the petrographic microscope. Students also relate relationships of minerals within igneous, sedimentary, and metamorphic rocks.

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German (GRMN)

GRMN 1001 Elementary German I **3 Credits**

Students focus on the basics of pronunciation and grammar and develop the ability to listen, understand, speak, read and write German with reasonable proficiency, as well as acquire some knowledge and awareness of German culture.

GRMN 1002 Elementary German II **3 Credits**

Prerequisite: GRMN 1001 or Equivalent

Students focus on the basics of pronunciation and grammar and develop the ability to listen to, understand, speak, read and write German with reasonable proficiency, as well as acquire some knowledge and awareness of German culture.

GRMN 2001 Intermediate German I **3 Credits**

Prerequisite: GRMN 1002 or Equivalent

Students reinforce mastery of the four basic skills while extending knowledge of the language through emphasis on oral and written presentation and more complex grammatical structures. German culture is studied through systematic approach to the development of syntax and style.

GRMN 2002 Intermediate German II **3 Credits**

Prerequisite: GRMN 2001 or Equivalent

Students reinforce mastery of the four basic skills while extending knowledge of the language through emphasis on oral and written presentation and more complex grammatical structures. German culture is studied through a systematic approach to the development of syntax and style.

History (HIST)

(F=Fall Semester, Sp=Spring Semester, S=Summer, TBS=To be Scheduled)

HIST 1111 A Survey of World Civilization to Early Modern Times **3 Credits F, Sp, S**

Students gain a general understanding of the development of human civilization from its beginning to 1550. They also study the political, social, economic and cultural trends that affected the way people lived, worked and interrelated during this period.

HIST 1112 A survey of World Civilization from Early Modern Times **3 Credits F, Sp, S**

Students gain a general understanding of the development of human civilization from 1550 to the present. Emphasis is placed on the process of obtaining factual information about and analyzing the political, social, economic and cultural trends that have affected people's lives, work and relationships.

HIST 1181 Honors History of Civilization to 1550 I **3 Credits, TBS**

Students conduct an analytical survey of humanity's major achievements, starting with the Greeks and ending with the German Reformation. The various world civilizations with an emphasis on the religious, political and intellectual achievements of humans are studied and analyzed. The importance of these achievements and their impact on the world in general and western societies, in particular, are understood.

HIST 1182 Honors History of Civilization Since 1550 II **3 Credits (3-0) TBS**

Students conduct an analytical survey of the development of human society from the early modern era (about 1500) to the present. They study political, economic, social and cultural

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institutions in various world regions. In addition, students read and apply a variety of original sources to the understanding of the institutions under study.

HIST 2111 A Survey of U.S. History to the Post Civil War Period 3 Credits (3-0) F, Sp, S
Students study the political, cultural and social growth of the United States from the 15th century colonial period to 1865. The forces that shape the nature of American society are examined as a primary focus.

HIST 2112 A Survey of U.S. History from the Post Civil War Period to the Present 3 Credits (3-0) F, Sp, S
Students study the political, cultural and social growth of the United States from the end of the Civil War to the present. The main focus of their study will be the forces that shaped the nature of American society.

HIST 2181 Honors United States History to 1865 3 Credits (3-0) TBS
Students complete an analytical survey of the history of the United States beginning with the period of exploration and ending with the American Civil War. Further, they focus on the origin and development of national and Georgia constitutions, ideas and institutions.

HIST 2182 Honors United States History Since 1865 3 Credits (3-0) TBS
Students conduct an analytical survey of the history of the United States from the end of the American Civil War to the present. Additionally, they focus on the political, social and economic forces which have influenced movements and events in the United States and Georgia since the Civil War.

HIST 3303 Tudor-Stuart England 3 Credits (3-0) TBS
Students examine the political, economic, social and cultural history of England from 1485 to 1688. Topics analyzed by students include the interrelation of religion and politics, the changing role of monarchy, and the influence of Renaissance culture on political, religious and social life. They also study the chronological development of English history during the period.

HIST 3304 Modern England 3 Credits (3-0) TBS
Students analyze the rise of Great Britain to world dominance in the 18th and 19th centuries and its subsequent decline in the 20th. Their investigations include both the home islands and the empire. Examining the political, economic, cultural and intellectual histories. As the basis for understanding their study in depth, students master the factual history of Britain since 1688.

HIST 3306 Modern France 3 Credits (3-0) TBS
Students survey the chronological development of France and its society since the mid-18th century. Within this survey, students analyze in more detail the causes, events and results of the French Revolution of 1789 the influence of Napoleonic expansion; the development of the Third Republic; French involvement in the two world wars; and France's place in the contemporary world.

HIST 3309 Survey of West Africa 3 Credits (3-0) TBS
Students study the history and development of West African cultures and states from the rise of ancient Ghana and the trans-Saharan trade to the present.

HIST 3310 Black American History 3 Credits (3-0) TBS
Students do an interpretive study of black Americans. Special emphasis is placed on the role of black Americans in the nation's experience including personalities and ideologies,

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institutional origin and developments, patterns of interracial cooperation and violence.

HIST 3311 Georgia in American History **3 Credits (3-0) TBS**

Students acquire an understanding of the political, economic, and cultural history of Georgia from 1732 to the present. Students emphasize the role of the state in the history of the United States.

HIST 3312 Women in America **3 Credits (3-0) TBS**

Students gain a general understanding of the role women played in the development of the United States. Topics to be addressed by students emphasize the struggle for social equality, political rights and economic equity.

HIST 3320 Oral and Family History Seminar **3 Credits (3-0) TBS**

Students learn the fundamental methods and techniques of collecting historical accounts from living witnesses. Students also get on-the-job training for genealogical studies.

HIST 3330 Military History **3 Credits (3-0) TBS**

Students analyze the military art and the development of military institutions in a variety of countries during the modern era (since 1500). This analysis emphasizes strategies and tactics; the interrelationship of the military institution with the society it defends; technological development; professionalization; and the political, economic, and social forces that shape the military and other causes of war.

HIST 3350 Introduction to Historical Research **3 Credits (3-0) TBS**

Prerequisite: History Major in Junior Year

Students examine the nature of historical study, with an emphasis on historical explanation, development of scholarly historical study, techniques and fundamental sources of research, writing and styles. Students also explore the works of selected significant historians as examples of historical scholarship.

HIST 3360 History of Africa to 1850 **3 Credits (3-0) TBS**

Students will examine the peoples and societies of Africa from pre-colonial times to the demise of the trans-Atlantic slave trade. Students will discuss state formation, trade, religion, and social adaptation to external influences. Students will also discuss the principal social, economic, political, and cultural forces that shaped African societies.

HIST 3365 History of Africa Since 1850 **3 Credits (3-0) TBS**

Students will examine the people and societies of modern Africa from the dawn of the new imperialism to the present. Students will discuss, among other things, the colonial period, nationalism and resistance to colonialism, decolonization and independence, and challenges facing post-colonial African governments.

HIST 3370 The American Colonies, 1585-1760 **3 Credits (3-0) TBS**

Students will explore the motivations for and the development of the thirteen British colonies that ultimately became the United States, focusing on the years from 1585 to 1763. Students will devote particular attention to an examination of how local conditions in North America influenced colonial societies.

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HIST 3380 The American Revolution & New Nation, 1763-1815 3 Credits (3-0)

TBS

Students will examine the reasons for the American colonists' break with the British Empire and their success in doing so from 1763 to 1783, and they will also explore the attempts of the founding generation to create a society and government that would secure the blessings of liberty between 1781 and 1815.

HIST 4060 Topics in African History 3 Credits (3—0) Sp

Students will examine topics that have a significant impact upon Africa and Africans from pre-colonial Civilizations to the present. Students will also discuss the principal social, economic, political, and Cultural forces that continue to shape African societies.

HIST 4300 Jacksonian America 3 Credits (3-0)

TBS

Students will examine the political, economic and social development of the United States from 1815 to 1848, paying particular attention to the increasing democratization of American politics as well as improvements in transportation and communications during those years.

HIST 4401 Civil War and Reconstruction 3 Credits (3-0) TBS

Students conduct an intense study of the origins of the Civil War and the impact of the war. An analysis of Reconstruction is done with emphasis upon the historical interpretation of events.

HIST 4408 United States Constitutional History 3 Credits (3-0) Sp

Students complete an intense study of the U. S. Constitution and its impact upon political, social and economic development in the United States from 1787 to the present.

HIST 4409 Early 20th Century U.S., 1898-1945 3 Credits (3-0)

TBS

Students study the history of the United States from 1898 to 1945, with emphases on the social, political, economic, and technological forces which have influenced changes in society and its institutions.

HIST 4410 Twentieth Century Europe 3 Credits (3-0) TBS

Students engage in a detailed study of the political, social, economic, and intellectual developments in Europe since World War I

HIST 4411 Recent United States History 3 Credits (3-0) TBS

Students study the history of United States since 1945, with emphases on the social, political, economical and technological forces which have influenced changes in society and its institutions.

HIST 4415 The American Civil Rights Movement 3 Credits (3-0)

TBS

Students will examine and analyze the causes, course, and achievements of the African-American Civil Rights Movement in the mid-twentieth century.

HIST 4420 The Development of Modern Science and Medicine 3 Credits (3-0) TBS

Students study the growth of knowledge in the physical, biological and medical sciences since the 16th century and the individuals involved in that growth. Also, students seek an understanding of the impact of science and the scientific method on human life and thought in

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the modern era.

HIST 4491, HIST 4492, HIST 4493 Applied History 3, 6, 9 Credits (3-0; 6-0; 9-0) TBS
Prerequisites: *HIST 1111 or HIST 1002 and HIST 2111 or HIST 2112*

Students intern under the supervision of a Fort Valley State University history faculty member and a professional in a public or private agency involved in applied history (such as archives, museums, records management, or other historic preservation institutions). The head of the department will determine whether the institutions qualify for a history internee.

HIST 4500 Capstone in History 3 Credits (3-0) TBS
Prerequisites: *HIST 3300 and HIST 3350* -HISTORY MAJORS ONLY-

Students demonstrate their mastery of the historical method by writing and defending a major senior research project. Upper level courses are reviewed and the exit examination for history majors is completed.

Health (HLTH)

HLTH 2452 Health Issues for Professionals 2 Credits

Students' knowledge in the major content areas of health education is enhanced. Emphasis is placed on the understanding of body systems, diseases, human development, hygiene, safety, nutrition, mental health careers and other health factors.

HLTH 3752 Introduction to Drug Education 3 Credits

Students examine substance abusers from the pharmacological, physiological, psychological, sociological and philosophical aspects of drugs. Students identify the consequences resulting from the mismanagement of alcohol and other drug uses and abuses.

HLTH 4503 Human Perspective of Sexuality and Health Promotion 3 Credits

Students learn the human perspectives of sexuality and health promotion. Human sexuality is studied using the basic anatomy and physiology of reproduction, interpersonal relationships, identifying sexually transmitted disease and understanding sexual activity throughout one's life span. Health promotion is designed to assess one's health habits and practices and examine modifications needed for improvements.

HLTH 4743 Methods and Materials of Health 3 Credits

Prospective teachers utilize the skills necessary to organize, conduct and evaluate developmentally appropriate health education programs for elementary, middle, and high school levels. Students demonstrate effective uses of varied teaching strategies, innovative curriculum design and pedagogy. Field experience is required.

Horticulture (HORT)

HORT 1813 Horticulture in the Home Environment 3 Credits

Students study horticultural plant materials and practices which are used to enhance lawns, gardens and the home environment generally to include emphases on propagation, fertilization, irrigation, control of pests and pruning. Ornamental vegetable and fruit crops are also covered.

HORT 1823 Ornamental Plant Ecology 3 Credits

Students acquire knowledge of the environmental factors which affect the growth of ornamental plants including soil, moisture, temperature, light, competition, exposures, and pests. Effects of the environment on the adaptation and distribution of plants are emphasized.

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HORT 1833 Maintenance and Usage of Garden and Grounds **3 Credits**

Students acquire knowledge of the cultural practices used for planting and maintaining annuals, biennials and perennials in specialized gardens, parks, cemeteries and estates. In addition to gaining practical experiences in identifying these plants according to their classification, students learn the significance of horticulture in modern society and its impact on urban natural resource development.

HORT 2802 Special Topics in Ornamental Horticulture **2 Credits**

Students select projects and work individually on special problem areas in ornamental horticulture.

HORT 2813 Pest Control **3 Credits**

Students master the correct procedures for selecting, preparing and applying sprays, dusts and fumigants to control diseases and insects in ornamentals.

HORT 2823 Introduction to Horticulture **3 Credits**

Students are provided an overview of horticulture as a field of study. The various areas of horticulture and their interrelationships are examined. Students are introduced to the plant taxonomy, physiology and anatomy of horticultural crops.

HORT 3803 Fruit Science **3 Credits**

Students acquire knowledge of and practical experiences in the essentials for establishing and managing fruit orchards. The cultural operations, fruiting and post-harvest handling, the improvement and propagation of plants and the biotechnology of major tree fruits, small fruits selected exotic fruits, and miscellaneous fruits and tree nut crops are learned.

HORT 3813 Plant Propagation **3 Credits**

Students learn the principles and practices of sexual and asexual reproduction of horticultural plants. Proficiencies in the various methods of propagating horticultural plants including grafting, budding, layering and cuttings are acquired.

HORT 3823 Food Processing **3 Credits**

Students become knowledgeable of the physical and biological phenomena which cause food deterioration and acquire practical experiences with the techniques of good preservation by canning, freezing, sugar concentrates, chemical additives, pickling, fermentation and ionizing. Hands-on experiences with food processing equipment are provided. Knowledge of the operation and management of school canning plants is acquired.

HORT 3833 Landscape Materials and Designs **3 Credits**

Students learn the fundamentals of landscaping with an emphasis on the identification, culture, and use of plant material. Designing home properties, parks and commercial buildings are discussed. The use of architectural devices in landscaping, practices in mensuration, cost calculations and computer-aided designing are also emphasized.

HORT 3842 Basic Floral Design **2 Credits**

Students learn the fundamentals of floral design, with an emphasis on the identification of floral and foliage materials, supplies, accessories and equipment. Students create floral designs using fresh and artificial materials. Techniques common to the floral design industry, such as wiring, taping, bow making and container preparation, are learned.

HORT 3853 Vegetable Crops **3 Credits**

Students acquire knowledge of the environmental and botanical factors affecting the

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adaptation of vegetable crops. Students also gain practical experiences in state-of-the-art procedures for producing quality vegetables, such as soil preparation, planting, fertilization, weed control, irrigation, harvesting, grading and packaging.

HORT 3862 Cooperative Education in Horticulture **2 Credits**

Students are supervised individually by research scientists, or are placed within agricultural, federal or private organizations for hands-on, practical, “real-life” experiences in the field of horticulture.

HORT 4803 Greenhouse Management **3 Credits**

Students acquire knowledge of greenhouse structures, their operations and management. Practical experiences with the production of specific crops in the greenhouse environment are provided. Students also master nursery layouts, plant propagation, fertilization, weed control, irrigation and the marketing of greenhouse crops and nursery stock.

HORT 4813 Nursery Management **3 Credits**

Students acquire full understanding of planning nurseries, identification of plant materials and nursery practices including storage, propagation, pest control and management of wholesale and retail nurseries.

HORT 4823 Marketing Technology **3 Credits**

Students are exposed to the physical practices involved in marketing fruits, vegetables, and horticultural specialties including: grading, bulk packaging, hydrocooling, consumer packaging, storage and refrigeration, transportation and displays. The effects of these practices on post-harvest physiology, market acceptance and quality are examined in depth.

HORT 4833 Turf Management **3 Credits**

Students learn the fundamentals of establishing and maintaining turf grass with an emphasis on adapting grasses for specific purposes. The selection, use and care of individual species of grass in the landscape are discussed. Common production practices in the turf industry are also covered.

HORT 4843 Flower Production **3 Credits**

Students learn the principles and practices involved in producing floral crops outdoors or in greenhouses. Vegetative and reproductive propagation and the handling and storage of cut flowers are also studied.

HORT 4852 Senior Research **2 Credits**

Students demonstrate their knowledge of the fundamentals of agriculture by conducting a research project, inclusive of problem identification and rationale, previous work and future outlook, the planning of a research strategy, managing the experiment, collecting and handling data, evaluation and report writing and the methods for disseminating significant findings to appropriate audiences.

HORT 4863 Ornamental Systematics **3 Credits**

Students learn to identify annuals, perennials and woody ornamentals commonly found in landscapes, nurseries and other ornamental horticultural plantings. Being able to identify all ornamentals is emphasized.

HORT 4873 Medicinal Plants Technology and Conservation **3 Credits**

Students will be introduced to global systems of alternative herbal medicines. Students will gain a working knowledge of increasing population pressure and over-exploitation of potential medicinal plant species, their natural habitat and agrotechnology including the improvement of medicinal plant species through biotechnology. Students will recognize the importance of

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plant conservation for the medicinal and herbal plant species especially those facing extinction or those who are threatened due to over-exploitation.

Humanities (HUMN)

HUMN 2004 Introduction to Fine Arts

3 Credits

Students explore creative thinking techniques and analyze literature, art, music, and philosophy from a multi-cultural perspective. Course content will focus on Africa, the Americas, Asia, Australia and the Middle East.

Infant and Child Development (ICDV)

ICDV 2813 Life Span Development and Contextual Influences

3 Credits

Students examine the growth and development of individuals throughout their life span with a special emphasis on the influence of family systems. Students identify and analyze the impact of various influences on families and individuals, including social relationships, culture, environments and historical changes. Students debate and question the future of family systems in society.

ICDV 2833K Behavior in Infancy

3 Credits

Students study the significance of prenatal and perinatal factors in the development of individuals during the first two years of life. Students focus on the interrelationships of various developmental sequences throughout infancy. Students analyze and critique the value of prominent theories of infant development.

ICDV 3833K Child Development

4 Credits

Students study the young child, from conception through late childhood. The physical, social, emotional, moral and intellectual development of the child within the family and preschool setting are understood. Students identify and summarize developmental sequences in growth and maturation. Potential problems in the sequence of growth and development are identified.

ICDV 3842 Parent Child Relations

2 Credits

Students study the reciprocity of relationships between and among family members. Students examine the interactive processes by which parents and children affect each other as individuals and as a family unit. Students identify and analyze the influences of culture, race, values, attitudes, economics, history, and religion on relationships across generations. Students compare and contrast the research on inter-generational transmission of various family and individual traits, including parenting styles, alcoholism, teen pregnancy, divorce, values and religious attitudes.

ICDV 3853 Behavior and Guidance in Preschool

3 Credits

Prerequisite: ICDV 3833

Students develop skills in planning, executing and evaluating developmentally appropriate activities for children. A variety of methodologies, philosophies and curriculum models which may be used in fostering the development of the whole child are examined. Principles of guidance and discipline, based on developmental appropriateness of such for young children, are other integral concepts which are studied.

ICDV 3862 Childhood Assessment

2 Credits

Prerequisite: ICDV 3833

Students examine the most frequently encountered assessment devices and evaluation methods used in child development settings. Students develop familiarity with the terminology,

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computer programs and statistical methods used in assessment. Students become aware of the advantages and disadvantages inherent in all testing and evaluation situations. Students complete assigned assessment devices and write evaluations and recommendations for assigned children.

ICDV 4874K Nursery/Kindergarten Practicum **4 Credits**
Prerequisite: ICDV 3853

Students acquire experiences in guiding nursery- and kindergarten-age children individually and in small and large group settings. Students assess, plan, execute and evaluate activities with children in the actual classroom under the supervision of experienced master teachers.

ICDV 4882 Organization and Administration in Group Care **2 Credits**
Prerequisite: ICDV 2832

Students develop skills in organizing and administering programs for young children. The application of research to the details of administering effective preschool settings, such as knowledge of relevant legislation, licensing and staffing, observations of program administration and understanding the organizational procedures of centers with varying philosophical views and curricula are also key concepts which are included.

ICDV 4893K Infant Stimulation **3 Credits**
Prerequisite: ICDV 2832

Students examine infancy as a critical period in human development. Differentiating between development within normal ranges and development which may become problematic is mastered. Students create daily schedules and developmentally appropriate stimulation activities for infants and toddlers.

ICDV 4909 Directed Observation and Supervision **9 Credits**
Prerequisite: Senior Standing

Students participate full-time in experiences related to family and child development to include: individual and group care settings, family assistance, parental education and related activities. Student may participate either with agencies, hospitals, family service providers or schools depending on their career goals and objectives.

ICDV 4913 Special Topics **3 Credits**
Prerequisite: Senior Standing

Students, using a seminar format, investigate current topics in the study of the education of young children. In-depth investigations of special topics are conducted by individual students who incorporate in their reports the latest theories and controversies in child development. Students also critically assess their own growth in the program and provide feedback for program improvement.

IGBO (IGBO)

IGBO 2102 Intermediate Igbo **3 Credits**

This is an intermediate Igbo language and culture course that is designed to provide students a deeper understanding of Igbo language. Students will learn Igbo language composition, grammar and letter writing to facilitate simple translational skills. Some do's and don't's in Igbo language and culture will be discussed.

International Studies (INTS)

INTS 2101 Introduction to International Studies **3 Credits**

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This is an interdisciplinary foundation course for majors in International Studies as well as other interested students. Students will be grounded in basic concepts and approaches to the study of international studies as a cross disciplinary body of knowledge. States as units of analysis, and the interaction between them will be examined. The dynamics of domestic policy issues interacting with foreign policy demands to shape international action and behavior be emphasized.

INTS 3101 Globalization and Regionalization **3 Credits**

Prerequisite: INTS 2101

This course will examine the political, economic, social and cultural implications of an integrated world economy. It will also explore the conflicts engendered by globalization and the role of international institutions and regimes - IMF, the World Bank, the UN – in addressing them. In addition, the course will examine new approaches and perspectives in understanding the dynamics of globalization, state sovereignty, international cooperation and the resurgence of regionalism and regional cooperation as antidotes to globalization and a discussion of the global backlash.

INTS 3310 Negotiations and Conflict Resolution **3 Credits**

Students will develop negotiation and conflict resolution competencies to build partnerships and create lasting agreements. Students will engage in complex negotiation simulations with emphasis on methods of recognizing and resolving conflicts and subsequent disputes.

INTS 3320 Ethics and International Affairs **3 Credits**

Prerequisite: PHIL 2000 or PHIL 2002

This course is designed to introduce students to major ethical theories and their application to international affairs. The students will examine the moral issues of war, terrorism and world peace. The emphasis of the course is on the moral issues raised by globalization. The students will analyze how ethics addresses the global environmental crisis, the economic gap between rich and poor nations and the problem of universal human rights.

INTS 3391 International Field Experience **3 Credits**

Prerequisite: At least 15 hours of INTS courses

This course provides students with experiential training in international operations and cultural orientation. Students may be attached to multinational or international oriented corporate, governmental, and not-for-profit, or organizations in the United States or in a foreign country. Students may satisfy this requirement by participating in a study abroad program either at FVSU or through any other approved US institution. Students may earn between six and twelve hours depending on the duration of their attachment.

INTS 4103 International Trade **3 Credits**

Prerequisite: ECON 2105 and ECON 2106

This is the study of the principles and theories of international trade. Students will acquire an understanding of the gains from trade, the nature of the international trade regimes, tariffs and trade restrictions on the mobility of international productive factors. Students will be introduced to comparative advantage and the effects of globalization on trade.

INTS 4201 Political Economy of Africa **3 Credits**

This is a seminar class that examines the interface between politics and economic development in Africa. Students will survey the major theories of comparative political economy and these explain development, corruption, state power, democratization or democratic consolidation, political and economic reform, debt and structural adjustment.

INTS 4203 International Finance **3 Credits**

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Prerequisite: ECON 2105 and ECON 2106

This course deals with an introduction to the theories of exchange rate determination. Students will gain knowledge of balance of payments, determination of income, employment, inflation in an open economy and the nature of international impact of monetary and fiscal policies under fixed and flexible exchange rates.

INTS 4408 International Environmental Issues 4 Credits

This course is designed to teach students major world ecosystems, various possible interactions among peoples of the world relating to the use of environment, disposal of waste in the environment. Environmental issues such as air, land and water pollution, deforestation, and green house effect will be evaluated in the light of United Nations agreements and charters. International environmental laws regarding such issues as maritime and commerce, disposal of toxic waste, crude or refined petroleum spillage in oceans and management of sea resources, such as fish, will be examined.

INTS 4411 International Diplomacy 3 Credits

Students will study the art of diplomacy, bargaining, negotiation, representation, compromise and conflict resolution. They will survey the development of the art and do case studies to analyze the process.

INTS 4412 US Foreign Policy 3 Credits

Prerequisite: INTS 2101

This course is a broad examination of US foreign policy and the domestic and international factors that shape it. The course will analyze U.S. economics, social well-being and political cohesion as it conditions and is conditioned by external factors since after the cold war. Students will learn the role of ideology, war, trade, terrorism and a new world order in foreign policy making.

INTS 4417 International Development Policy and Administration 3 Credits

Comparative international administration, NGO's, UN development agencies, analysis and evaluation of national and international development agencies, analysis and evaluation of national and international development policies, such as balance of payment accounting, open economies, external debts and so on.

Japanese (JAPN)

JAPN 1001 Elementary Japanese I 3 Credits

Students learn basic vocabulary and accurate pronunciation of Japanese. Emphasis is placed on reading, writing and using the spoken language.

Latin (LATN)

LATN 1001 Elementary Latin I 3 Credits

Students are introduced to Latin with an emphasis on pronunciation, the fundamentals of grammar, reading, and translation.

LATN 1002 Elementary Latin II 3 Credits

Students advance their study of Latin grammar and syntax. Further development of reading and translation skills is emphasized. Students are also introduced to Roman civilization and culture.

Learning Support (ENGL/MATH/READ/RGTR)

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ENGL 0098 Learning Support Writing I **3 Credits**

The emphasis is on rewriting, drafting, developing writing fluency and basic sentence structure. Instruction and practice in writing paragraphs will comprise the content of this course. Students develop basic composition skills in preparation for English 0099.

ENGL 0099 Developmental Writing II **3 Credits**

This course is designed to prepare students for the COMPASS exit examination and the college level composition courses. Students focus on revising and editing essays, sentence structure and usage and mechanics.

MATH 0097 Elementary Algebra Mathematics I **3 Credits**

This course is designed to assist students with the knowledge of elementary algebra to help them understand the basic concepts and computational skills of intermediate algebra. The four arithmetic operations with signed numbers are performed. The solution to linear equations and inequalities, simplifying exponents and polynomials and solving second degree equations using factoring are topics studied.

MATH 0099 Intermediate Algebra, Mathematics II **3 Credits**

This course is designed to prepare students for success in college-level mathematics. Course content includes operations on algebraic fractions and irrational expressions. Students graph the solutions to linear equations and apply integrated problem solving strategies using quadratic equations and systems of equations.

MATH 0101 Academic Assistance, Mathematics **2 credits**

This course is designed to be co-curricular with the required mathematics core (Math 1111) to provide reinforcement of the algebraic concepts.

READ 0098 Learning Support Reading I **3 Credits**

This course is designed to build vocabulary skills, literal comprehension, and recreational reading. Students develop independent word attack skills and effective vocabularies. Emphasis is focused on developing basic proficiencies in using comprehension skills required in reading for understanding. Students meeting specific course objectives will be allowed to attempt exit testing for Learning Support Reading.

READ 0099 Learning Support Reading II **3 Credits**

This course is designed to expand the students' vocabulary comprehension, knowledge and use of literal comprehension concepts and to develop reading skills in preparation for the COMPASS Reading Exit Examination.

RGTR 0198 Regents Reading **3 Credits**

This course is designed to assist students in strengthen their reading skills to help them pass the Regents' Test. Emphasis is placed on vocabulary, literal and inferential comprehension and analysis. Instruction varies from lecture and small groups to individualized laboratory experiences.

Math (MATH)

MATH 1101 Mathematical Modeling **3 Credits**

Prerequisite: Placement

Students gain an understanding of the relevance of mathematics in their chosen professions

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and everyday lives by using, developing and testing mathematical models against reality. Students solve routine and non-routine problems having applications in such disciplines as business, the physical, social and biological sciences. Using fundamental algebraic concepts, students enhance their mathematical logic and quantitative reasoning skills through problem solving. After thoroughly investigating and analyzing data, natural phenomena and mathematical structures, students learn not only to construct appropriate mathematical models, but to communicate their findings using graphical, numerical, symbolic and/or verbal forms.

MATH 1111 College Algebra

3 Credits

This web-assisted course engages students in the study of a functional approach to college algebra with the appropriate use of technology. An in-depth study of polynomial, rational, exponential, logarithmic, and absolute value functions and their graphs is undertaken. Linear equations and inequalities, systems of linear equations and inequalities, matrices, determinants, and complex numbers are also studied and used to model and solve real-world problems.

MATH 1112 Trigonometry

3 Credits

Prerequisite: MATH 1111 or Equivalent

Students learn to use trigonometric functions and their inverses. Graphs of these functions are sketched, trigonometric identities are proved, complex numbers are explored and polar equations are graphed.

MATH 1113 PreCalculus

4 Credits

Students acquire algebraic and trigonometric competencies essential to the study of calculus. Algebraic, trigonometric, exponential and logarithmic functions are graphed and used in applications. Students also solve linear and nonlinear equations and inequalities, systems of equations and inequalities and apply sequences and series with facility.

MATH 1154 Calculus I

4 Credits

Prerequisite: MATH 1111 and MATH 1112 or MATH 1113 or demonstrate proficiency in MATH 1113

Students become proficient in problem solving techniques using the basic notions of limits, derivatives and integrals

MATH 1201 Problem Solving Strategies

1 Credit

Students explore the principles of inductive and deductive reasoning to make and test conjectures, formulate counter examples, follow logical arguments, judge the validity of arguments and construct simple valid arguments. Students select and use problem solving techniques, identify and use related knowledge, monitor and evaluate their own skills in solving problems, solve problems in cooperative learning situations and find appropriate solutions to a variety of problems.

MATH 1203 Problem Solving and Critical Thinking

3 Credits

Prerequisite: MATH 1111

Students solve application problems, construct mathematical models, apply inductive and deductive reasoning, develop valid mathematical arguments, test the validity of arguments, verify conjectures and formulate counterexamples.

MATH 2008 Foundations of Numbers and Operations

Prerequisite: MATH 1101, MATH 1111, or MATH 1113

This course is an Area F introductory mathematics course for early childhood education majors. Students will investigate and apply the major concepts of numbers and operations. As a general theme, students will discuss and use strategies of problem solving in the context of

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various topics.

- MATH 2100 Fundamentals of Mathematics** **3 Credits**
Prerequisite: MATH 1113 (or MATH 1111 and MATH 1112)
Students will enhance their knowledge of mathematics and its applications. Topics covered include number systems, trigonometric identities, measurement geometry, probability and statistics. Students explore how these mathematical concepts are applied to understand and solve real world problems. Students will be required to use calculators and computers.
- MATH 2113 Elementary Statistics** **3 Credits**
Prerequisite: MATH 1111 or MATH 1113
Students explore the basic concepts of descriptive and inferential statistics and learn to apply the concept of hypothesis testing to analyze the truth of claims.
- MATH 2164 Calculus II** **4 Credits**
Prerequisite: MATH 1154
Students use integration techniques to evaluate definite and indefinite integrals. Differential and integral calculus are applied to exponential, logarithmic, inverse trigonometric, and hyperbolic functions. Students will use integration to solve application problems. They will explore properties of sequences and series. They will apply convergence tests to investigate convergence/divergence of power series.
- MATH 2174 Calculus III** **4 Credits**
Prerequisite: MATH 2164
The concepts of limit, derivative and integral are applied to vector-valued functions and functions of several variables. Students apply vector calculus in solving problems in physics.
- MATH 2203 Introduction to Linear Algebra** **3 Credits**
Prerequisite: MATH 1111 or MATH 1113
Students become knowledgeable of matrices and determinants, vector spaces, and linear operators. They apply the concepts of linear algebra to solve “real world” problems.
- MATH 2253 Discrete Math** **3 Credits**
Prerequisite: MATH 1113
Students study mathematical reasoning and learn different methods for solving problems. Problems dealing with combinations, algorithms and graphs are explored.
- MATH 3000 Foundations of Advanced Mathematics** **3 Credits**
Prerequisite: MATH 2164
This course will provide the students with the knowledge and skills needed for the study of advanced topics in mathematics. Students will apply symbolic logic, proof strategies, algebra of sets, relations, functions, and cardinality. Students will investigate algebraic structures and completeness property of the real numbers. Students will communicate mathematical ideas and proofs in words and symbols.
- MATH 3100 Discrete Mathematics and Statistics** **3 Credits**
Prerequisite: MATH 2100
A survey of discrete mathematics topics and statistics topics to include logic, set theory, graphs, trees, counting, probability, organizing data, regression, and correlation, distributions, hypothesis testing, and estimation. For Early Childhood and Middle Grades majors only.
- MATH 3150 Calculus for Business and Economics Majors** **3 Credits**
Prerequisite: MATH 1101 or MATH 1111

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Student will investigate concepts and techniques of calculus including limit, continuity, differentiation, and integration. They will apply techniques of calculus to problems in Business and Economics. Applications include marginal cost, marginal revenue, profit, supply and demand functions, market equilibrium, continuous compounding and optimization, and break even analysis, problems. This course cannot be taken as a Mathematics elective by Mathematics and Computer Science students.

MATH 3183 Vector Calculus **3 Credits**

Prerequisites: MATH 2174, MATH 2203

Students explore the concepts and methods of the calculus of functions of several variables and vector analysis.

MATH 3223 Differential Equations **3 Credits**

Prerequisite: MATH 2174

Students learn methods and techniques for solving first-order differential equations and second-and higher-order linear differential equations.

MATH 3273 Theory of Numbers **3 Credits**

Prerequisite: MATH 3000

Students investigate the properties of integers and develop proofs of some of their properties. Functions defined on the integers are explored. Calculators and computers are used in problem solving. Students generalize arithmetic procedures used for integers to solve abstract problems.

MATH 3293 Fundamentals of Mathematics **3 Credits**

Prerequisites: MATH 1111 and MATH 1203

Students enhance their knowledge of mathematics and its applications. Topics covered include number systems, probability, statistics, measurement and geometry. Students explore how these mathematical concepts are applied to understand and solve real world problems. Students are required to use calculators and computers.

MATH 3303 Mathematics for Secondary School Teachers **3 Credits**

Prerequisite: MATH 2253

Students examine the secondary school mathematics curriculum from an advanced viewpoint to be able to explain the relationships among arithmetic, algebra, geometry and calculus. The students determine why standard mathematical procedures work and whether a given procedure is valid. Using field experiences, students examine the prerequisite skills needed for each mathematics course in grades 7 through 12.

MATH 3313 Mathematics Curriculum Trends and Issues **3 Credits**

Prerequisite: MATH 3303

Students examine trends and issues related to the secondary school mathematics curriculum. Students review mathematics curriculum reforms from the last fifty years and current curriculum issues.

MATH 3323 College Geometry **3 Credits**

Prerequisite: MATH 3000

Students demonstrate an understanding of axiomatic, transformational and projective geometry. Students investigate the historical and philosophical development of geometry. Topics include finite geometries, convexity, modern synthetic geometry, tessellation, packing problems, constructible numbers and introduction to non-Euclidean geometries.

MATH 3373 Probability **3 Credits**

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Prerequisite: MATH 2174

Students investigate and apply the fundamentals of probability theory, such as law of large numbers, central limit theorem and law of iterated logarithm. Students use the probability axioms and analytical methods to study distributions of random variables. Students apply the theory developed in this course to the study of selected topics such as random walks and Poisson processes.

MATH 3393 History of Math

3 Credits

Prerequisite: MATH 1154

Students gain knowledge of the historical events that helped shape mathematical ideas and methods as well as the people who contributed to the development of the theory of mathematics.

MATH 3400 Geometry for K-8 Teachers

3 Credits

Prerequisite: MATH 2100

Students expand the depth of their knowledge of Euclidean geometry through informal hands on procedures. Topics covered include congruent triangles, similarity, right triangles, circles, area, volume and total area of solids, parallelism, and coordinate geometry. Students explore how these mathematical concepts are applied through solving real world problems.

MATH 3503 Principles of Geometry

3 Credits

Prerequisite: MATH 3293

Students expand the depth of their knowledge of Euclidean geometry through informal (non-proof) procedures. Students explore the coordinate and trans-formational geometrics through a variety of hands-on methods and computer programs.

MATH 3510 Algebraic Concepts

3 Credits

Prerequisite: MATH 1113 (or MATH 1111 and MATH 1112)

Students will develop a clear understanding of algebraic concepts, procedures and processes and learn how to apply their knowledge to real world problem situations. They also learn to communicate this knowledge effectively with others. Students study the properties of the Complex Number System and learn to perform complex number operations efficiently. Students determine which subsets of complex numbers constitute groups, rings, integral domains, and fields. Through exploration of non-routine problems and the construction of proofs of theorems, students experience the world of mathematics, particularly focusing on how mathematicians think and solve problems in modern algebra. Students will conduct an action research project in the field.

MATH 3523 Number Systems

3 Credits

Prerequisite: MATH 3293

Students explore the historical development of number and numeration systems, properties of number sets and mathematical structures such as groups and fields. Students explore the relationship between the development of civilization and the development of mathematics.

MATH 3533 Euclidean Geometry

3 Credits

Prerequisite: MATH 3293

Students develop properties and relationships in Euclidean geometry using proof techniques. Students explore finite and non-Euclidean geometrics. Students use computer programs and other technology to assist in the exploration and development of conjectures.

MATH 3543 Principles of Algebra

3 Credits

Prerequisite: MATH 3293

Students explore and expand the properties of basic algebra into abstract structures. Students

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determine which subsets of the complex numbers are groups, rings, integral domains and fields using the operations of arithmetic.

MATH 4000 Calculus Concepts **3 Credits**

Prerequisite: MATH 2100

A survey of calculus concepts to include functions, graphs, limits, differentiation, applications of the derivative, exponential and logarithmic functions, integration and its applications, and techniques of integration. For Middle Grades Education majors only.

MATH 4001 Advanced Topics in Mathematics for Elementary School Teachers **3 Credits**

Prerequisite: College Algebra or Equivalent

Students expand their knowledge of K-8 mathematical concepts and refine their communications, problem solving and reasoning skills relative to probability, geometry, measurement and elementary algebraic concepts. Students discover mathematical relationships and build new knowledge through problem solving, the construction of proofs and models. Students use modeling to interpret physical, social and other real world phenomena.

MATH 4143 Complex Variables **3 Credits**

Prerequisite: MATH 2174

Students utilize the theory of complex differentiation and integration as well as manipulative skills developed in this course to study functions of a complex variable. Topics covered include analytic functions, complex integration, Cauchy theory of integration, power series, residues and poles.

MATH 4193 Abstract Algebra **3 Credits**

Prerequisites: MATH 2203 and MATH 3000

Students investigate algebraic structures such as groups, rings and fields. Students write proofs involving algebraic concepts. Topics include group theory, elementary ring theory and an introduction to field theory.

MATH 4243 Linear Algebra II **3 Credits**

Prerequisites: MATH 2203, MATH 3000

Students develop an understanding of vector spaces, linear operators and linear systems. Emphasis is placed on finite-dimensional vector spaces, linear transformations and matrix algebra. Topics include determinants, Gauss method, Gauss-Jordan method, Cramer's rule, eigenvalues and eigenvectors, diagonalization of matrices and application of linear methods to solve non-linear problems.

MATH 4293 Partial Differential Equations **3 Credits**

Prerequisite: MATH 2174

Students study first order partial differential equations and canonical second order linear partial differential equations. They apply the concepts and procedures learned in this class to solve partial differential equations that arise in mathematical physics and engineering fields.

MATH 4343 Advanced Calculus **3 Credits**

Prerequisites: MATH 2174 and MATH 3000

Students make systematic use of the fundamental concept of convergence to study continuity, differentiation and integration of functions.

MATH 4363 Numerical Methods **3 Credits**

Prerequisites: MATH 2203, MATH 2253, MATH 3223, CSCI 3332

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Students devise algorithms and develop programs to solve mathematical problems using Taylor approximation, polynomial evaluation, computer representation of numbers, numerical solution of equations, interpolations and numerical solutions of differential equations.

MATH 4390 Mathematics Review **2 Credits**

Prerequisite: Consent of Instructor

Each student develops an individual plan for reviewing objectives of the exit examination in mathematics or mathematics education.

MATH 4391 Math Seminar **1 Credit**

Prerequisite: Consent of Instructor

Students make oral and written presentations on mathematical topics that will expand and explain information and concepts they have learned in their mathematics classes. These presentations must be a result of research, experimentation or independent study.

MATH 4883 Statistical Estimation, Tim Series, Forecasting and Filtering **3 Credits**

Prerequisites: MATH 1154 and MATH 2113

Students explore the basic concepts of statistical estimation, time series, forecasting and filtering. Topics covered include Kalman Bucy filter, its generalizations and applications to applied fields. Students utilize technology for the implementation of Kalman filtering applications.

Mass Communications (MCMM)

MCMM 1101 Orientation to Mass Communication **1 Credit**

Prerequisite: Typing Proficiency

Students are introduced to mass communications as a career field. They examine the range and types of jobs available for professional communicators, the preparation needed for careers, and the demands placed upon those who would become professionals. Attention is given to issues and problems affecting mass media. An introduction to the history of the major areas of mass communications is provided.

MCMM 1123 Voice and Diction **3 Credits**

Students are introduced to the vocal skills required for professional communications in public speaking, broadcasting, recording, and allied fields. Audio and television equipment used during classroom sessions. Personal equipment is recommended but not required.

MCMM 1143 Effective Oral Communication **3 Credits**

Students are introduced to various oral presentation theories and techniques applicable to a variety of professional settings. Topics covered include public speaking, critical listening, topic selection, research, outlining, organizing, adapting speech to audiences, persuasive speech and using visual aids from models to computer graphics in preparing speeches. This course introduces different writing styles for different speech formats.

MCMM 1163 Basic Media Writing **3 Credits**

Students are introduced to the fundamentals of the AP style of writing in preparation for the more advanced newswriting and reporting courses. Students gain proficiency in writing for the print media.

MCMM 2103 Survey of Mass Communications **3 Credits**

Students acquire an understanding of mass communications media. Students expose the

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structures, functions, problems and criticisms of each medium. Students demonstrate the legal and ethical issues related to mass communications in our society.

MCMM 2123 Basic Photography **3 Credits**

Prerequisite: Permission of Instructor

Students apply photographic principles to produce quality negatives under a variety of lighting conditions and utilize negatives to produce well exposed black and white photographs. Students gain an understanding of the basics of good journalistic photography.

MCMM 2124K Mass Media (Photography) Laboratory **1 Credit**

Prerequisite: MCMM 2123

By using camera techniques to produce black and white photographs, students gain competency in the use of digital photography equipment for developing effective productions in visual communications.

MCMM 2143 Newswriting and Reporting **3 Credits**

Students learn basic reporting, newswriting and editing for all types of media. Emphasis is placed on finding information and creating fact-filled, easy to understand stories for newspapers and/or broadcasting stations.

MCMM 2144K Mass Media Laboratory (Print) **1 Credit**

Prerequisites: MCMM 2143, 2123

Through participation in writing and editing for the *Peachite*, students gain competency in skills necessary for writing effective news stories, feature stories and photo journalism.

MCMM 2163 Introduction to News Editing and Make-up **3 Credits**

Students learn to select and prepare stories and pictures for newspapers, magazines and related media to include reporting and editing of original stories. Beginning page layout is covered. Work on the *Peachite* staff is required.

MCMM 2223 Introduction to Broadcasting **3 Credits**

Students are introduced to the structure of electronic media with emphases on broadcasting, cable satellite, the Internet and other new technologies. The history of commercial radio and television, the impact of new technologies on the future of broadcasting in the U.S. and the world, roles of the minorities and different cultures in telecommunications in a global perspective, the FCC and broadcast rules and regulations and the ever changing trends in programming are reviewed. Students are also introduced to broadcast equipment and its handling and technologies.

MCMM 2224K Mass Media (Broadcast) Laboratory **1 Credit**

Through participation in writing and editing for radio and TV, students gain competency in the skills necessary for effective audio and video production.

MCMM 3103 History and Ethics **3 Credits**

Students study the history of mass communications and explore the concepts of free press, freedom of speech and the social impact of media on society. They examine and compare the philosophies of the world and the American Press.

MCMM 3123 Mass Media Law and Theory **3 Credits**

Students survey mass media law with emphases on defamation of privacy, obscenity, copyright, and other related legal topics. They examine the judicial system, the development of theories and practices in mass communications and the U.S. Supreme Court's interpretation

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of the First Amendment in landmark court cases. The legal parameters under which mass communications professionals operate are studied.

- MCMM 3124K Mass Media (Law) Laboratory** **1 Credit**
Through participation in library research of media law cases or legal research, students become familiar with the process of gathering legal materials for writing news stories.
- MCMM 4103 Advanced News Editing** **3 Credits**
Students study principles of newspaper and magazine copy editing, headline writing, news judgment, selection of articles and photographs and page make-up. Opportunities for hands-on experiences are provided.
- MCMM 4113 Technical Writing** **3 Credits**
Prerequisites: Typing Proficiency
Students learn how to write reports, proposals and other communications based statistics, and how to organize information. Emphasis is placed on writing for business publications.
- MCMM 4123 Feature Writing** **3 Credits**
Prerequisites: MCMM 2143 or Permission of Instructor, Typing Proficiency
Students learn to write human interest articles for newspapers and magazines. A study of similarities and differences between features and straight news is made. A study of freelance strategies and marketing, especially newspaper feature sections, Sunday supplements and magazines is also conducted.
- MCMM 4133 Institutional and Industrial Publications** **3 Credits**
Students learn the types of public relations writing and editing that a public relations practitioner would undertake. Attention is given to point of view and design of internal and external publications for business, industry and media.
- MCMM 4143 Advertising Copy Writing** **3 Credits**
Students learn the principles and practices of planning and preparing advertising copy for newspapers, magazines, radio and a variety of other media. They also examine creative strategy, copy tests and products in relation to copy and markets.
- MCMM 4153 Principles of Interviewing** **3 Credits**
Prerequisites: MCMM 4283, Permission of Instructor
Students learn background investigation, confrontational and cooperative interviewing tactics, identification of significant data and how to write stories and reports for print and broadcast media. A student project is required.
- MCMM 4163 Photojournalism** **3 Credits**
Prerequisite: MCMM 2123 or Permission of Instructor
Students advance their skills in making professional quality photographs for use with news, feature and advertising copy for newspapers, magazines, public relations and related media. Emphasis is placed on photographic presentation of the news to include picture editing. Professional darkroom techniques are studied. The preparation of a portfolio is also required.
- MCMM 4173 Graphic Communications** **3 Credits**
Prerequisite: MCMM 2163 or Permission of Instructor
Students study the printing process, typography, photoengraving, layout, design, production planning and other topics related to preparation of professional quality brochures, advertising

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displays and publications. Student projects are required.

MCMM 4183 Audio Production **3 Credits**

A practical study of audio production with emphasis on radio broadcasting. The course will help students develop techniques and skills for both radio and television. It will teach students how to staff basic studio and field operations. Study trips and group projects are required.

MCMM 4193 Television Production I **3 Credits**

The course teaches television production techniques with emphasis on single and multiple camera techniques, studio and control room operations and field production. Students will also be taught how the camera works, the optical lenses system, color reproduction and different kinds of television formats. The course will teach basic scriptwriting. Study trips and group projects are required.

MCMM 4203 Television Production II **3 Credits**

Students learn advanced television production techniques with emphases on directing and editing. Students are taught in detail how to use the character generator, the switcher, the digital video effects (DVE), audio mixer and Teleprompter. Students learn to play desired roles as seen in actual production situations. Study trips and group projects are required.

MCMM 4213 Radio-TV News **3 Credits**

Students study the methods for gathering and producing news for radio and television programs. Attention is focused on production news with electronic news gathering (ENG) equipment. News editions consist of pre-taped inserts, photographs, slides, and network broadcast copy. Broadcast news analysis and packaging and related issues and problems are examined.

MCMM 4223 Radio-TV Advertising **3 Credits**

Students learn descriptive research methods applicable to mass communications. Emphasis is placed on different research designs such as, survey, case-study, experimental design, content analysis and focus groups. Data analysis using inferential statistics is covered. Students have the opportunity to design and execute a research project using the principles learned.

MCMM 4233 Broadcast Newswriting **3 Credits**

Students learn the basics of newswriting in broadcast style. Students are also taught feature writing. Emphasis is placed on the elements of news, leads, attribution, name and number handling, editing, familiar words and their usages in journalism and news scripts. Students learn documentary ideas and proposals are developed to final production script.

MCMM 4243 Multi-Media Presentations **3 Credits**

Students learn to use combined media for creative visual and aural effects to gain maximum communications impact. Skills of photography, writing, audio recording and film production are developed. Students create sound slide productions; a 35 mm camera is recommended but not required. A student project is required.

MCMM 4253 Public Relations Theory and Practice **3 Credits**

Students are introduced to public relations principles, practices and history in business, educational, institutions, social welfare and governmental organizations. An analysis of public relations programs, the responsibilities of professionals to employers and the media relations. Covers career opportunities in the field.

MCMM 4254K Mass Media (Public Relations) Laboratory **1 Credit** *Prerequisites: MCMM 2143, MCMM 2123*

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Through participation in writing, editing for the *Peachite*, radio, TV and photography, students gain competency in skills necessary for effective news stories, feature stories and photo journalism.

MCMM 4263 Public Relations Campaigns **3 Credits**

Students study problem solving and decision making techniques as they apply to public relations. Students study and receive practical experience in major aspects of developing integrated public relations campaigns, including the steps involving research, planning, communication and evaluation. Students study the process of persuasion and public opinion formation, communication and evaluation.

MCMM 4273 Organizational Communication **3 Credits**

Prerequisite: MCMM 4253

Students study human relations and communication within organizations. Attention is given to the major theories of motivation and leadership, practical problem solving strategies and superior-subordinate interactions. Areas of mutual cooperation between different levels within the organization are emphasized.

MCMM 4283 Mass Communications Research **3 Credits**

Prerequisite: Permission of Instructor

This course will teach the various methods of inquiry applicable to the field of mass communications. The course will engage students in the research process, from topic selection through presentation of findings. Students taking this course will be exposed to case studies and actual data collection, using various designs including, surveys, content analysis and experimental.

MCMM 4283 Technology, Communications, and Development **3 Credits**

This course will equip students with an appreciation of the varieties of ways in which technology has affected the patterns of international communications delivery and how this in turn impacts international development. Specifically, students will gain an understanding of the culture dissemination through communications and the cumulative effects on development.

MCMM 4293 Presentational Performance in Media **3 Credits**

Students learn the techniques used in presentational performance on television and radio. The course does not prepare students for acting because it is not concerned with representational or stylized acting. Students who plan broadcast informational scripts, such as for news programs, documentaries, on radio and/or television benefit from the experiences provided. Students produce actual programs for use on college media and for external use. Projects and work in the studio outside of class time are required.

MCMM 4303 Campus Practicum **3 Credits**

Prerequisite: Permission of Instructor

Students engage in supervised work in a professional setting at a commercial or non-commercial mass media enterprise. Market needs determine the availability of placements.

MCMM 4323 Internship **3 Credits**

Prerequisite: Permission of Instructor

Students engage in supervised work in a professional setting at a commercial mass media enterprise. Market needs determine the availability of placements.

MCMM 4341K Mass Media (Photojournalism) Laboratory **1 Credit**

Prerequisites: MCMM 2143, 2123

Through participation in writing, editing for the *Peachite*, radio, TV and photography, students gain competency in skills necessary for effective news stories, feature stories and photo

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journalism.

MCMM 4351K Mass Media (Special Projects) Laboratory **1 Credit**

Prerequisites: *MCMM 2143, 2123*

Through participation in writing, editing for the *Peachite*, radio, TV and photography, students gain competency in skills necessary for effective news stories, feature stories and photo journalism.

MCMM 4361 Capstone in Mass Communications **2 Credits**

Mass communications majors review knowledge acquired from their academic and technical preparation.

Military Science (MILS)

MILS 1110 Leadership and Personal Development **1 Credit**

Students are introduced to the personal challenges and competencies that are critical for effective leadership. Students will learn how the personal development of life skills such as goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions, attributes and core leader competencies while gaining a big picture understanding of the history, mission, roles and organization of ROTC, its purpose in the Army, and its advantages for the student.

MILS 1120 Introduction to Tactical Leadership **1 Credit**

Students are introduced to the Army leadership doctrine and styles of leadership. This course establishes the foundation of basic leadership fundamentals such as problem solving, communications, briefings, effective writing, techniques for improving listening and speaking skills and professional ethics. In addition, students will be introduced to safety and risk assessment and the primary weapon system (M16A2) of the U.S. Army.

MILS 2210 Foundation of Leadership **2 Credits**

Students will explore the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. Aspects of personal motivation and team building are practiced planning, executing and assessing team exercises. The focus continues to build on developing knowledge of the leadership attributes and core leader competencies through the understanding of Army rank, structure, and duties as well as broadening knowledge of land navigation and squad tactics.

MILS 2220 Foundations of Tactical Leadership **2 Credits**

Students learn the individual and team aspects of military tactics, to include troop leading procedures, principals of offensive/defensive operations that involve the application of Army leadership and management techniques at the small unit level through various methods of influencing actions. Students examine communication in settings and achieving goals, the importance of timely decision making and creativity in the problem solving process.

MILS 2230 Leadership Training Internship **4 Credits**

Prerequisite: *Approval of the Professor of Military Science*

An intense summer program conducted at Fort Knox, Kentucky for four (4) weeks. Designed as an alternative method to meet the prerequisites of the advanced course to students who have had no basic or core military science instruction. Training focuses on leadership development in a coaching, teaching and mentoring environment. Students receive funded travel, \$25.48 per day and University credit for attendance/participation.

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MILS 3310 Adaptive Team Leadership

3 Credits

Students will study, practice, and apply the fundamentals of Army leadership, officership, Army values and ethics, personal development, and small unit tactics at the team and squad level. Students conduct self-assessment of leadership style, develop personal fitness regimen and learn to plan and conduct individual/small unit tactical training while testing reasoning and problem solving techniques. Students receive direct feedback through counseling, coaching and encouragement from experimental cadre on their leadership style.

MILS 3320 Applied Team Leadership

3 Credits

This is an academically challenging course where you will study, practice, and apply the fundamentals of Army leadership, Officership, Army values and ethics, personal development, and small unit tactics at the team and squad level. Students examine the role communications, values and ethics play in effective leadership. Topics include ethical decision making, consideration of others, spirituality in the military and improvement of oral and written communication abilities. Classroom subjects continue to reinforce the Army's 16 leadership dimensions, leadership styles, motivation and counseling techniques and small unit defensive operations.

MILS 4410 Adaptive Leadership

3 Credits

This course is a practical application of adaptive leadership. Students are assigned the duties and responsibilities of an Army staff officer and must apply the fundamentals of principles of training, the training management, the Army writing style and military decision making to weekly training meetings. Students will study how Army values and leader ethics are applied in the Contemporary Operating Environment and how these values and ethics are relevant to everyday life. The student will study the Army officer's role in the Uniform Code of Military Justice, the counseling of subordinates, administrative actions and the management of an Army Officer's career. Students will be given numerous opportunities to train, mentor and evaluate underclass students enrolled in the ROTC Basic Course while being mentored and evaluated by experienced ROTC cadre.

MILS 4420 Leadership in a Complex World

3 Credits

Senior Cadets, in this capstone course, explore the dynamics of leading in the complex situations of current military operations in the Contemporary Operating Environment (COE). Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. Cadets will also explore aspects of interacting with non-government organizations, civilians on the battlefield, and host nation support. The course places significant emphasis on preparing you for BOLC II and III, and your first unit of assignment. It uses case studies, scenarios, and "What Now, Lieutenant?" exercises to prepare you to face the complex ethical and practical demands of leading as a commissioned officer in the United States Army.

Marketing (MKTG)

MKTG 3103 Principles of Marketing

3 Credits

Prerequisite: ECON 2105, ECON 2106, and ACCT 2101

Students are introduced to marketing concepts, the role of marketing in society and in the firm and the various factors that influence marketing decision making. Other topics of study include consumer behavior, channel of distribution, pricing, promotion, product management, marketing research, legislation and social responsibilities.

MKTG 3113 Consumer Behavior

3 Credits

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Prerequisite: MKTG 3103

Students gain the knowledge and skills necessary to analyze and understand market trends. They develop effective marketing strategies for managing the dynamic nature of consumer behavior.

MKTG 3123 Salesmanship

3 Credits

Prerequisite: MKTG 3103

Students learn problems peculiar to becoming effective managers of the personal selling function. The principles of selling are so well known that students are able to enter the sales profession with little additional training.

MKTG 3133 Principles of Retailing

3 Credits

Prerequisite: MKTG 3103

In acquiring the basic knowledge necessary for a successful career in retailing or related disciplines, students focus on the exciting and dynamic nature of retailing through illustrations of how retailers view their customers and make decisions.

MKTG 4103 Marketing Communication

3 Credits

Prerequisite: MKTG 3103

Students learn to plan and think strategically, gather and analyze primary and secondary research data, compute and evaluate the potential of alternative courses of action in marketing. They learn how to cooperate with a team in developing creative solutions to "real world" problems.

MKTG 4113 Marketing Research

3 Credits

Prerequisite: BUSA 3213 and MKTG 3103

Using marketing research information, students examine in detail customers' needs and wants as tools for developing effective marketing strategies. With a thorough knowledge of research processes and a proper application of statistical research data, students gain expertise as effective decision makers.

MKTG 4123 International Marketing

3 Credits

Prerequisite: MKTG 3103

Students study marketing in the international environment to include foreign market strategies, indirect and direct exporting; product pricing and promotions, shipping and physical distributions and financing decisions in export markets.

MKTG 4133 Marketing - Not-for-Profit Organizations

3 Credits

Prerequisite: MKTG 3103

Students gain knowledge of the "marketing concept" from a "not-for-profit" perspective by defining target markets, improving their communication and promotion skills and responding better to the customer needs and wants.

MKTG 4253 Marketing Management

3 Credits

Prerequisites: MKTG 3103, and MNGT 3103

Students refine their analytical, observational, group work and communication skills. They must demonstrate their knowledge and understanding of integrated marketing concepts and processes.

Management (MNGT)

MNGT 3103 Principles of Management

3 Credits

Prerequisites: ECON 2105, ECON 2106 and ACCT 2101

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Students examine generic management functions such as: planning, decision making, organizing, leading and controlling. Students learn how resources are managed effectively and efficiently in order to achieve the organization's mission. Issues relating to diversity, globalization, ethics and social responsibility are studied.

MNGT 3153 Organizational Theory/Behavior **3 Credits**

Prerequisite: MNGT 3103

Examining the theory and practice of behavior in organizations, students gain an understanding of how people work in an organized setting and acquire specific managerial tools which enable them to become effective managers.

MNGT 3203 Human Resource Management **3 Credits**

Prerequisite: MNGT 3103

Students explore the major functions of human resource management (HRM) including planning, recruitment, selection, orientation, training and development, compensation, evaluation, collective bargaining and the protection of employee rights. Students study state and federal laws impacting HRM.

MNGT 3303 Operation/Production Management **3 Credits**

Prerequisite: MNGT 3103 and BUSA 3213

Students become acquainted with the production process from a managerial perspective. They learn how to make sound business decisions to ensure effective operations. The nature of product demands, cost structures, company size and market competitions, production planning using PERT and other computer planning systems used in the industry are learned.

MNGT 4213 Training/Development **3 Credits**

Prerequisite: MNGT 3103

Students explore in-depth the training and development functions of human resource management. They investigate complex activities designed to improve the performance of individuals and groups within organizations with emphasis on need analyses and environmental forces.

MNGT 4223 Compensation **3 Credits**

Prerequisites: MNGT 3103 and MNGT 3203

Students learn how to design and administer compensation programs which reward employees fairly. Students learn the legal environment and its impact on compensation. They examine topics such as job analysis, job evaluation, job classification, wage levels and wage surveys and learn to distinguish between monetary rewards and nonmonetary rewards.

MNGT 4353 Small Business Management **3 Credits**

Prerequisites: MKTG 3103 and MNGT 3103

Students gain knowledge of the contributions, functions, issues and trends relating to a small business. Emphasis is placed on the start-up and on the management of activities of a small business enterprise. Clear distinctions will be made between the operations and issues pertaining to a small business and a large business enterprise. Students examine different small businesses and meet successful entrepreneurs.

MNGT 4383 International Management **3 Credits**

Prerequisites: MNGT 3103

Students understand the overall perspective of international management which addresses worldwide developments, foundations for international management and the cultural context for managing in an overseas environment.

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MNGT 4393 Strategic Management

3 Credits

Prerequisites: MKTG 3103 and BUSA 3103

This course is to be taken ONLY during the semester of graduation.

Students develop the ability to integrate their knowledge in the various functional fields of business. Emphasis will be placed on the importance of formulating and implementing strategies to achieve the organization's mission effectively and efficiently. As a means of assessing the effectiveness of an organization, students will use a SWOT analysis, investigate the financial status, evaluate the goals and determine the means used to execute goals. Case studies will be the major focus of this course.

Music (MUSC)

MUSC 1000 Music Appreciation

3 Credits

Students will be able to identify from written and aural examples western and non-western music, selected eras of various styles and performance media, composers, performers and music symbols and terminology. In addition, students in this course will attend exhibitions, concerts, recitals, guest lectures and other cultural presentations both on and off campus, and outside of the regular class time.

MUSC 1001 Music Fundamentals

1 Credit

Students will be able to sight sing and take music dictation at the fundamental level, identify key signatures, the circle of fifths, all major and minor scales, clefs, keys, modes, enharmonics, intervals, triads, and rhythm to their primary instrument performance. Students will also be able to design drills utilizing computer- assisted-instruction software.

This course must be taken by music majors and minors who fail to score at least 75% on the music theory placement examination. This minimum score must be achieved before music majors and minors are eligible to enroll in MUSC 1011. May be repeated for credit.

MUSC 1011 Music Theory I

2 Credits

Prerequisite: MUSC 1001 Music Fundamentals I or a passing score on the music theory entrance placement examination.

In this first course of a four-course sequence in music theory and materials, students will be able to apply music rudiments and to identify intervals, triads, four-part harmony, triad inversions, dominant seventh chords, diminished seventh chords, non-harmonic tones, cadences, and diatonic modulations. Students will also be able to compose/arrange at the fundamental level.

MUSC 1012 Aural and Keyboard Skills I

1 Credit

Prerequisite: MUSC 1001 Music Fundamentals I or a passing score on the music theory entrance placement examination.

Students will develop basic skills in music reading, sight-singing, aural perception and keyboard proficiency. Students will be able to use music technology tools to enhance the course work in Music Theory I.

MUSC 1013 Music Theory II

2 Credits

Prerequisite: MUSC 1011 Music Theory I

In this second course of a four-course sequence in music theory and materials students will identify diatonic and chromatic harmony, including secondary seventh chords and inversions, augmented sixth chords, Neopolitan chords and borrowed chords. In addition, students will compose and/or arrange instrumental and/or vocal works using computer technology.

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MUSC 1014 Aural and Keyboard Skills II **1 Credit**

Prerequisite: *MUSC 1012 Aural and Keyboard Skills I*

Students will continue their development in music reading, sight-singing, aural perception and keyboard proficiency. Students will be able to use music technology tools to enhance the course work in Music Theory II.

MUSC 1141 Major Applied Music **1 Credit**

Available to **music majors only**, students will develop skills in and functional knowledge of wind, string, fretted and percussion instruments and/or voice performance. Applied students will receive one fifty-minute individual lesson or two thirty-minute individual lessons each week. May be repeated for credit.

Piano	01	Brass	04	Organ	07
Voice	02	Percussion	05	Guitar	08
Woodwinds	03	Strings	06		

MUSC 1151 Secondary Applied Music **1 Credit**

Available to any student regardless of major but depending on the availability of faculty, students will develop skills in and functional knowledge of wind, string, fretted and percussion instruments and/or voice performance. Secondary Applied students will receive one thirty-minute individual lesson or a group performance class which meets for two fifty-minute periods each week. May be repeated for credit. students

Piano	01	Brass	04	Organ	07
Voice	02	Percussion	05	Guitar	08
Woodwinds	03	Strings	06		

MUSC Applied Music Seminar **0 Credit**

Required of all music majors and minors who are enrolled in applied music, students will participate in performances, demonstrations, lectures and discussions by students, faculty and music professionals. Students will also attend a predetermined number of recitals and concerts both on and off campus and outside of the regular class time. Each course may be repeated. Satisfactory (S) or unsatisfactory (U) grades are assessed.

MUSC 1003 Applied Music Seminar I	MUSC 3003 Applied Music Seminar III
MUSC 2003 Applied Music Seminar II	MUSC 4003 Applied Music Seminar IV

MUSC 1331 Music Ensemble Course **1 Credit**

Students will develop creative thinking skills and the ability to perform ensemble literature of various periods and styles. Courses are open to all FVSU students with an audition and permission of the instructor. These courses may be repeated for credit.

Concert Choir	01	Concert Band	05
Women's Ensemble	02	Marching Band	06
Men's Glee Club	03	Jazz Band	07
Gospel Choir	04	Orchestra	08

MUSC 2011 Music Theory III **2 Credits**

Prerequisite: *MUSC 1013 Music Theory II*

In this third course of a four-course sequence in music theory and materials students will be able to identify dominant ninths, elevenths and thirteenthths; altered dominants, chromatic mediant and chromatic modulations. Students will also be able to use music technology to compose, and/or arrange instrumental and/or vocal works.

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MUSC 2012 Aural and Keyboard Skills III **1 Credit**

Prerequisite: MUSC 1014 Aural and Keyboard Skills II

Students will continue their development in music reading, sight-singing, aural skills and keyboard proficiency. Students will be able to use music technology tools to enhance the course work in Music Theory III.

MUSC 2013 Music Theory IV **2 Credits**

Prerequisite: MUSC 2011 Music Theory III

In this final course of a four-course sequence in music theory and materials, students will be able to identify mode mixture, remote modulation and twentieth-century techniques and materials, including non-diatonic scales, triadic extensions, modality and pitch class centers, Impressionism, Serialism, and innovative techniques using rhythm, meter, orchestration, tone colors and texture. In addition, students will be able to compose instrumental and/or vocal works using these contemporary concepts and techniques.

MUSC 2014 Aural and Keyboard Skills IV **1 Credits**

Prerequisite: MUSC 2012 Aural and Keyboard Skills III

Students will continue their development in music reading, sight-singing, aural skills and keyboard proficiency. Students will be able to use music technology tools to enhance the course work in Music Theory IV.

MUSC 2113 Voice Diction I (English, Italian, Latin) **1 Credit**

In this first course in a two-course sequence for voice students and vocal/choral music majors, students will be able to sing music works in English, Italian, and Latin using the correct pronunciation of the International Phonetic Alphabet.

MUSC 2114 Voice Diction II (German, French, and Spanish) **1 Credit**

Prerequisite: MUSC 2113 Voice Diction I

In the second course in a two-course sequence for voice students and vocal/choral music majors, students will be able to sing music works in German, French and Spanish using the correct pronunciation of the International Phonetic Alphabet.

MUSC 2141 Major Applied Music **1 Credit**

Prerequisite: MUSC 1141 Applied Music

Available to **music majors only**, students will develop skills in and functional knowledge of wind, string, fretted and percussion instruments and/or voice performance. Applied students will receive one fifty-minute individual lesson or two thirty-minute individual lessons each week. May be repeated for credit.

Piano	01	Brass	04	Organ	07
Voice	02	Percussion	05	Guitar	08
Woodwinds	03	Strings	06		

MUSC 2151 Secondary Applied Music **1 Credit**

Prerequisite: MUSC 1151 Secondary Applied Music

Available to any student regardless of major but depending on the availability of faculty, students will develop skills in and functional knowledge of wind, string, fretted and percussion instruments and/or voice performance. Secondary Applied students will receive one thirty-minute individual lesson or a group performance class which meets for two fifty-minute periods each week. May be repeated for credit. students.

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Piano	01	Brass	04	Organ	07
Voice	02	Percussion	05	Guitar	08
Woodwinds	03	Strings	06		

MUSC 2212 African and African American Music **2 Credits**

Students will be able to identify and analyze from written and aural examples, African and African American Music including jazz, ragtime, spirituals, gospel music, folk songs, rhythm and blues and rap.

MUSC 2213 Survey of Latin American Music **2 Credits**

Available to music majors and non-music majors, students will be able to identify and analyze from written and aural examples some the most important national rhythms and traditional music from Latin America. In addition, students will be able to identify music and instruments of different countries of Latin America. Students will also be able to identify, determine and relate the African and European influence in Latin American music.

MUSC 2309 Introduction to Music Education **2 Credits**

Offered to music education majors only, students will be able to identify and analyze different periods in the history and development of music education in the United States, including philosophies and rationales of teaching music to students in public schools. In addition, students will be able to analyze and determine appropriate assessment strategies and methods for a variety of teaching situation settings.

MUSC 2310 String Techniques **1 Credit**

Students will be able to exhibit proper bowing and pizzicato techniques, knowledge of instrument nomenclature and appropriate literature and methods and studies to successfully teach the orchestral stringed family.

MUSC 2314 Conducting Fundamentals **1 Credit**

Students will be able to conduct using the basic patterns. In addition, students will be able to do score study and score preparation using exercises and examples from choral and instrumental music literature.

MUSC 2316 World Music Cultures **2 Credits**

Students will be able to aurally identify representative works of various folk and ethnic cultures and be knowledgeable of the societal and political conditions that have impacted the music of these world cultures.

MUSC 2331 Music Ensemble Course **1 Credit**

Students will develop creative thinking skills and the ability to perform ensemble literature of various periods and styles. These courses are open to all FVSU students with an audition and permission of the instructor. These courses may be repeated for credit.

Concert Choir	01	Concert Band	05
Women's Ensemble	02	Marching Band	06
Men's Glee Club	03	Jazz Band	07
Gospel Choir	04	Orchestra	08

MUSC 2352 Introduction to Jazz **2 Credits**

Designed for both music majors and non-majors, students will be able to identify and analyze works by influential jazz musicians of different jazz styles, jazz terminology, musical scores of various jazz forms and film strips and recordings.

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MUSC 2362 Class Piano I **1 Credit**

Students will read simple piano pieces and will play major and minor scales, arpeggios, chord progressions and will improvise pieces. Each course may be repeated. Open to all FVSU students.

MUSC 2363 Class Piano II **1 Credit**

Students will read level I and II piano pieces and will play major and minor scales, arpeggios, chord progressions, four-part harmonies and will improvise pieces. Each course may be repeated. Open to all FVSU students.

MUSC 3001 Music History and Literature I **2 Credits**

Prerequisite: MUSC 1000 Music Appreciation

In this first course in a three-course sequence, students will be able to identify and analyze from written and aural examples compositions from antiquity through the Renaissance period.

MUSC 3002 Music History and Literature II **2 Credits**

Prerequisite: MUSC 3001 Music History and Literature I

In this second course in a three-course sequence students will be able to identify and analyze from written and aural examples compositions from the Baroque era through the Classical period.

MUSC 3100 General Music Methods for Young Children **2 Credits**

Offered to Music Education majors only, students will acquire music instructional techniques at the elementary level, focusing on singing, rhythm, creative activities, playing instruments, listening and the elements of music. In addition, students will be able to identify, analyze, assess and evaluate various instructional and assessment materials available for this level. Field observation activities are a required component of this course.

MUSC 3103 Music for the Young Child **3 Credits**

Offered to Early Childhood Education majors only, students will identify and analyze philosophies and methodologies of teaching music to students in elementary schools. In addition students will be able to identify, analyze, assess and evaluate various instructional and assessment materials available and varied methods of presentation for general music at this level. Field observation activities are a required component of this course.

MUSC 3141 Major Applied Music **1 Credit**

Available to **music majors only**, students will develop skills in and functional knowledge of wind, string, fretted and percussion instruments and/or voice performance. Applied students will receive one fifty-minute individual lesson or two thirty-minute individual lessons each week. May be repeated for credit.

Piano	01	Brass	04	Organ	07
Voice	02	Percussion	05	Guitar	08
Woodwinds	03	Strings	06		

MUSC 3151 Secondary Applied Music **1 Credit**

Available to any student regardless of major but depending on the availability of faculty, students will develop skills in and functional knowledge of wind, string, fretted and percussion instruments and/or voice performance. Secondary Applied students will receive one thirty-minute individual lesson or a group performance class which meets for two fifty-minute periods each week. May be repeated for credit.

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Piano	01	Brass	04	Organ	07
Voice	02	Percussion	05	Guitar	08
Woodwinds	03	Strings	06		

MUSC 3270 Music Education Methods for Secondary Students **2 Credits** **Offered to Music Education majors only**

Students will acquire music instructional techniques for the middle and secondary schools, focusing on the study of the cognitive and psychomotor, and affective development of students and its relationship to the teaching of general music. In addition, students will be able to identify, analyze, assess and evaluate various instructional and assessment materials available for this level. Field observation activities are a required component of this course.

MUSC 3293 Vocal Pedagogy and Literature **2 Credits**

Designed for choral concentration majors, students will be able to identify and analyze historical and current methods of teaching voice. In addition, students will examine and analyze the breathing process, vocal anatomy, vocalises and solo song literature for a variety of mediums and age groups.

MUSC 3294 Jazz History **2 Credits**

Prerequisite: MUSC 2352 Introduction to Jazz

A continuation of MUSC 2352, students will be able to identify, analyze and discuss jazz from its blues and spiritual roots, ragtime, dixieland and big bands through modern jazz idioms, including an expanded coverage of the jazz style period between 1890-1950. In addition, students will be able to relate the development of jazz with involving personalities, events and sociological and psychological implications of each era.

MUSC 3314 Choral Conducting **1 Credit**

Prerequisite: MUSC 2314 Conducting Fundamentals

Students in this course will be able to conduct choral ensembles with the complete understanding of tempo, phrasing, diction and articulation. Students will be able to prepare music of different styles to be performed appropriately using the proper methods of interpretation and expression.

MUSC 3315 Instrumental Conducting **1 Credit**

Prerequisite: MUSC 2314 Conducting Fundamentals

Students in this course will be able to conduct instrumental ensembles with the complete understanding of tempo, phrasing and articulation. Students will be able to prepare music of different styles to be performed appropriately using the proper methods of interpretation and expression.

MUSC 3316 Instrumental Methods and Marching Band Techniques **2 Credits**

Students in this course will be able to develop the theoretical and practical methods of organizing, teaching and managing school instrumental music programs. Students will be able to design drill routines, arrange, organize and produce performances. In addition, students will be able to use music software to design drills and write music. Students will also analyze, assess and evaluate various instructional and assessment materials available for this level. Field observation activities are a required component of this course.

MUSC 3317 Choral Methods **2 Credits**

Students in this course will be able to identify and analyze the best methods of organizing, training and maintaining school choirs, glee clubs and choruses. Students will also apply the basic principles of singing and will exhibit the knowledge and skills of various vocal techniques and choral methods for teaching music in the secondary schools. In addition,

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students will analyze, assess and evaluate materials available for this level. Field observation activities are a required component of this course.

MUSC 3318 Methods of Teaching Jazz **2 Credits**

Students will be able to select appropriate literature, methods and materials for a school jazz band as well as exhibit comprehension of jazz terminology and improvisational teaching skills. In addition, students will analyze, assess and evaluate materials available for this level. Field observation activities are a required component of this course.

MUSC 3331 Music Ensemble Course **1 Credit**

Students will develop creative thinking skills and the ability to perform ensemble literature of various periods and styles. These courses are open to all FVSU students with an audition and permission of the instructor. These courses may be repeated for credit.

Concert Choir	01	Concert Band	05
Women's Ensemble	02	Marching Band	06
Men's Glee Club	03	Jazz Band	07
Gospel Choir	04	Orchestra	08

MUSC 3362 Class Piano III **1 Credit**

In this third course, students will be able to start performing major works by outstanding composers from different music periods. In addition, students will be able to play major and minor scales, arpeggios, chord progressions, four-part harmonies and to improvise pieces. Open to all FVSU students.

MUSC 3363 Class Piano IV **1 Credit**

In this final course students will be able to perform major works by outstanding composers from different music periods. In addition, students will be able to play major and minor scales, arpeggios, chord progressions, four-part harmonies and to improvise pieces. Open to all FVSU students.

MUSC 3372 Orchestration and Arranging **2 Credits**

Prerequisite: MUSC 2013 Music Theory IV

Students in this course will be able to arrange and transcribe works for choral and vocal ensembles; and for band, orchestra and other instrumental ensembles. In addition, students will be able to use music software to write and print their works.

MUSC 3400 Woodwind Techniques **1 Credit**

Students in this course will be able to select appropriate methods and exhibit knowledge of various teaching techniques, select the proper instrument to match a student's physical properties, do simple instrument repair and maintenance and be familiar with the instrument manufacturers. Students will develop the theoretical and practical techniques and methods of teaching woodwind instruments.

MUSC 3401 Brasswind Techniques **1 Credit**

Students in this course will be able to select appropriate methods and exhibit knowledge of various teaching techniques, select the proper instrument to match a student's physical properties, do simple instrument repair and maintenance and be familiar with the instrument manufacturers.

MUSC 3402 Percussion Techniques **1 Credit**

Students in this course will be able to select appropriate methods and exhibit knowledge of various teaching techniques, select the proper instrument to match a student's physical

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properties, do simple instrument repair and maintenance and be familiar with the instrument manufacturers.

MUSC 3452 Computer Applications in Music **2 Credits**

Students in this course will be able to use computer applications for music notation, MIDI sequencing, synthesizing programs, Computer-Assisted- Instruction using soft and hardware and electronic devices for sound generation and recording.

MUSC 4003 Music History and Literature III **2 Credits**

Prerequisite: MUSC 3002 Music History and Literature II

In this third course in a three-course sequence, students will be able to identify and analyze from written and aural examples compositions from the Romantic period to the present.

MUSC 4141 Major Applied Music **1 Credit**

Available to **music majors only**, students will develop skills in and functional knowledge of wind, string, fretted and percussion instruments and/or voice performance. Applied students will receive one fifty-minute individual lesson or two thirty-minute individual lessons each week. May be repeated for credit.

Piano	01	Brass	04	Organ	07
Voice	02	Percussion	05	Guitar	08
Woodwinds	03	Strings	06		

MUSC 4151 Secondary Applied Music **1 Credit**

Available to any student regardless of major but depending on the availability of faculty, students will develop skills in and functional knowledge of wind, string, fretted and percussion instruments and/or voice performance. Secondary Applied students will receive one thirty-minute individual lesson or a group performance class which meets for two fifty-minute periods each week. May be repeated for credit students.

Piano	01	Brass	04	Organ	07
Voice	02	Percussion	05	Guitar	08
Woodwinds	03	Strings	06		

MUSC 4262 Form and Analysis **2 Credits**

Prerequisite: MUSC 3372 Orchestration and Arranging

Students in this course will be able to identify, analyze and determine from written and aural examples harmony structure, texture, formal structure and style from the periods of music history. Emphasis is placed on twentieth-century forms and techniques.

MUSC 4313 Survey of Choral Music **2 Credits**

Students in this course will be able to perform, listen, identify and analyze choral literature from different music periods.

MUSC 4314 Survey of Instrumental Music **2 Credits**

Students in this course will be able to perform, listen, identify and analyze orchestral and wind band literature from different music periods.

MUSC 4331 Music Ensemble Course **1 Credit**

Students will develop creative thinking skills and the ability to perform ensemble literature of various periods and styles. These courses are open to all FVSU students with an audition and permission of the instructor. These courses may be repeated for credit.

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Concert Choir	01	Concert Band	05
Women's Ensemble	02	Marching Band	06
Men's Glee Club	03	Jazz Band	07
Gospel Choir	04	Orchestra	08

MUSC 4796 Internship **10 Credits**

Students will have the opportunity to demonstrate their ability to perform, coordinate, implement and organize the management of artistic presentations and performances in an authentic setting during a full semester.

MUSC 4797 Music Seminar **2 Credits**

Students will identify and analyze historical, theoretical and pedagogical materials of music and music education, including preparation strategies for the PRAXIS and Graduate Record Examination. In addition, students will complete the Senior Exit Examination, Exit Interview and program notes for the senior recital. **This is the final course in a sequence of courses that address the appropriate types and methods of assessment to be used in various vocal and instrumental music education settings.**

MUSC 4798 Senior Recital **0 Credit**

Students will perform major works before a jury and to a general audience to demonstrate their performing skills and comprehension of music styles. The recital is a non-credit required course that must be noted on the student's transcript. The jury will hear the recital for assessment and approval at least six weeks prior to the public performance.

MUSC 4799 Student Teaching **12 Credits**

Students will demonstrate their ability to develop and implement appropriate teaching and classroom management plans in an authentic classroom setting during a full semester. Students will not be allowed to enroll for any other courses during the semester of student teaching.

Public Service (PBSV)

PBSV 2003 Introduction to Public Service **3 Credits**

Students will receive a comprehensive overview of services available and the social needs met by the public sector. Students will distinguish between and assess the specific tasks of each public service agency, its unique function and philosophy and how it fits into the network. Students will develop a basic understanding of the ethical standards, values, and virtues that are required of citizenry for maintaining a democracy and for the profession of public service. Students will compare and contrast the skills and values of ethical action for citizens and public service professionals.

PBSV 4050 Arbitration and Mediation in Public Service **3 Credits**

Prerequisite: PBSV 2003

Students are introduced to the theories and techniques of alternative dispute resolution. The students will engage in interest-based negotiations, mediation, arbitration, fact-finding, early neutral evaluations and other techniques used in business, labor relations, environmental disputes, family relations and international affairs.

PBSV 4100 Senior Internship in Public Service **6 Credits**

Prerequisite: CRJU 4050

Students will gain work experience in a selected public service agency which will compliment their academic preparation in the field of public service. Students will complete internships in public, private or not-for profit agencies.

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Physical Education (PEDW)

- PEDW 1402 Fitness and Lifestyle Assessment**** **1 Credit**
Students acquire the theory and concepts of fitness improvement and maintenance through the administration of individual and supervised fitness assessments. Follow-up recommendations are made. Students learn to lead physically active lifestyles and to manage effective lifestyles for healthy living.
- PEDW 1410 Beginning Swimming** **1 Credit**
Students learn community water safety skills and acquire knowledge of basic and beginning swimming strokes/skills to include survival skills. They complete the American Red Cross' (ARC) *Level IV Learn to Swim Sequence*.
- PEDW 1412 Advanced Beginning Swimming** **1 Credit**
Students learn community water safety skills and advanced beginning swimming strokes/skill to include survival skills. They complete the ARC's *Level V Learn to Swim Sequence*.
- PEDW 1420 Intermediate Swimming** **1 Credit**
Students develop swimming techniques for the freestyle stroke, elementary backstroke, back crawl, breaststroke and sidestroke. Students demonstrate basic water safety and survival skills.
- PEDW 1422 Advanced Swimming** **1 Credit**
Students perfect their swimming strokes, developing techniques for the freestyle, elementary backstroke, back crawl, breaststroke and sidestroke. Water safety, survival skills and conditioning swimming are included.
- PEDW 1431 Lifeguarding** **1 Credit**
Students acquire certification for lifeguard and professional rescuer in CPR and Standard First Aid and Safety. Head lifeguard, water-park and water-front certifications are also options.
- PEDW 1441 Fitness/Conditioning Theory** **1 Credit**
Students acquire basic conditioning concepts and fitness activities related to weight training, jogging and the theory of prescribed fitness programs. Basic fitness principles of muscular and cardiorespiratory endurance, strength, flexibility, body composition and injury prevention are reviewed.
- PEDW 1444 Walking/Jogging** **1 Credit**
Students acquire the basic fundamentals of walking and jogging. Basic aerobic fitness principles will be emphasized and health benefit for a lifetime.
- PEDW 1450 Beginning Golf** **1Credit**
Students acquire the basic fundamentals, strategy, scoring, etiquette and rules and regulations of the game of golf.
- PEDW 1451 Basketball and Softball** **1 Credit**
Students acquire motor skills; learn fundamental techniques and the knowledge required for successful participation in basketball and softball games.
- PEDW 1461 Individual and Dual Sports (Golf and Tennis)** **1 Credit**
Students acquire motor skills; learn fundamental techniques and the knowledge required for successful participation in golf and tennis sports.

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PEDW 1471 Racquet Sports (Racquetball and Badminton) **1 Credit**
Students acquire motor skills; learn fundamental techniques and the knowledge required for successful participation in racquetball and badminton sports.

PEDW 1501 Volleyball and Handball **1 Credit**
Students acquire motor skills; learn fundamental techniques and the knowledge required for the successful participation in volleyball and handball.

PEDW 1510 Beginning Tennis **1 Credit**
Students acquire the basic fundamentals strategy, scoring, etiquette and rules and regulations of the game of tennis.

PEDW 1511 Advanced and Intermediate Tennis **1 Credit**
Prerequisite: PEDW 1461
The student acquires motor skills and learns the fundamental techniques, knowledge, and strategies required for successful participation in advanced and intermediate tennis.

PEDW 1515 West African Movements and Rhythms **1 Credit**
This course asserts connections with traditional styles of dance and drumming found in West African culture. It examines the background of West African movements and rhythms while providing historical linkages to contemporary modes of expression. Students will acquire knowledge and techniques within the genre, allowing them to create individual and group composition that convey an in-depth understanding of West African cultural contributions.

PEDW 1521 Advanced and Intermediate Golf **1 Credit**
Prerequisite: PEDW 1461
Students acquire the motor skills, learns the fundamental techniques, the knowledge required and strategies for successful participation in advanced and intermediate golf.

PEDW 1531 Yoga **1 Credit**
Students gain knowledge and skills regarding psychological and physiological methods to improve their overall health and enhance their sense of well-being through an exercise system utilizing breathing, stretching and relaxing techniques.

PEDW 1541 Exercise and Water Aerobics **1 Credit**
Students are exposed to basic aerobic conditioning concepts, fitness activity in dance, water aerobics and conditioning swimming. Basic fitness principles of cardiorespiratory endurance and injury prevention are learned.

PEDW 1544 Mind/Body/Integration Exercises **1 Credit**
Students enrolled in this course will become familiar with new theories from the field of mind/body/integration. Students will engage in exercises, games and preventive practices that are inherent in Dance, Brain Gym, Meditation, Fitness Exercises, Tai Chi, Breath Therapy and Yoga. Students will enjoy new ways in which personal growth and learning can occur.

PEDW 1551 Movement Concepts and Dance **1 Credit**
Students acquire the motor skills and learn the fundamental techniques and the knowledge required for successful participation in contemporary dance compositions with experimentation in individual and group choreography.

PEDW 1561 Leisure and Outdoor Activity (Hiking, Camping and Angling) **1 Credit**
Students acquire motor skills and learn the fundamental techniques and the knowledge required for successful participation in hiking, camping and angling.

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- PEDW 1571 Recreational Games and Activities** **1 Credit**
The student acquires motor skills and learns the fundamental techniques and knowledge required for successful participation in lifetime recreational games and activities.
- PEDW 1601 Special Physical Activity I** **1 Credit**
Prerequisite: Permission of Department Head
The physically challenged and medically deferred student goes through a program of individual exercise and physical activity prescription, adapted to his/her levels of ability. The student's health-related and skill-related fitness components are enhanced.
- PEDW 1611 Folk, Square and Social Dance** **1 Credit**
Students acquire the motor skills and learn the fundamental techniques and the knowledge for successful participation in folk, square and social dance.
- PEDW 1701 Special Physical Activity II** **1 Credit**
Prerequisite: Permission of Department Head
The physically challenged and/or medically deferred student undergoes a program of individual exercise and physical activity prescriptions, adapted to his/her to level of ability. This program further enhances health-related and skill-related fitness components.
- PEDW 1711 Stunts/Tumbling and Gymnastics** **1 Credit**
Students acquire the motor skills and learn the fundamental techniques and the knowledge required for successful participation in stunts/tumbling and gymnastics.
- PEDW 1721 Football and Soccer** **1 Credit**
Students acquire the motor skills and learn the fundamental techniques and the knowledge for successful participation in football and soccer.
- PEDW 1731 Handball and Pickle ball** **1 Credit**
Students acquire the motor skills, the fundamental techniques and the knowledge for successful participation in handball and pickle ball.
- PEDW 1741 Combative I** **1 Credit**
Students demonstrate competition skills in Karate, judo and other combative sports at the beginning level.
- PEDW 1751 Combative II** **1 Credit**
Students demonstrate combative skills at the advanced and intermediate level.
- PEDW 1761 Track and Field** **1 Credit**
Students demonstrate the skills of track and field activities.
- PEDW 1771 Rhythmic Aerobics** **1 Credit**
Students engage in basic aerobics and conditioning. Basic fitness principles of cardiorespiratory endurance and injury prevention are understood.
- PEDW 1802 Horse Ride I** **1 Credit**
Students develop motor skills and learn fundamental techniques required for successful participation in horsemanship events. Completion of this course fulfills one hour of required physical education activity.

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PEDW 1803 Horse Ride II

1 Credit

Students develop motor skills and learn advanced techniques required for successful participation in horsemanship events. Completion of this course fulfills one hour of required physical education activity.

PEDW 2522 Personal and Community Health

2 Credits

Students acquire knowledge of personal and community health and apply this knowledge in determining healthful living conditions for individuals and groups.

Philosophy (PHIL)

PHIL 2000 Introduction to Philosophy

3 Credits

Students explore such questions of philosophy as truth, goodness and beauty, knowledge and belief, freedom and determinism, man and the world, and the meaning of life. A critical analysis of answers given to such questions by the major thinkers in the history of philosophy are also examined. A survey of how our thinking about fundamental matters developed from its beginnings to recent times, focusing on what philosophy says about the problems of contemporary society, is conducted.

PHIL 2002 Ethics

3 Credits

The student is introduced to the philosophical study of morality. The student analyzes such concepts as right and wrong, values, moral principles, duty, freedom and responsibility. Also examined are the development of ethical theories from classical to contemporary philosophy; a critical analysis of contemporary moral problems related to medical issues, technology, environment and current aspects of personal and social ethics.

PHIL 2173 Religious Studies

3 Credits

The student becomes familiar with the etiology of religion in ancient times and in primitive cultures and explores the major living religious traditions, their world-views and belief systems and their sacred writings, myths and rituals. In addition, conclusions are drawn regarding the relevance of religion in the new millennium.

PHIL 4000 Ethics Seminar - Capstone

3 Credits

Prerequisite: PHIL 2000 OR PHIL 2002

The student will probe the nature, justification and development of fundamental ethical concepts and moral principles from classical to contemporary philosophy in the context of the history of culture. Reading will be from philosophers such as Aristotle, Kant, Mill, Sartre, Rawls and Apel. An analysis of ethical theories will focus on the problems of meaning, method and knowledge. Attention will be given to the application of ethical categories to professional practices in education and medicine, as well as to international relations and to the solution of environmental and other global problems.

PHIL 4002 Aesthetics

3 Credits

Prerequisite: PHIL 2000 OR PHIL 2002

In PHIL 4002, the student gains knowledge of major theories of aesthetics and philosophy of art, focusing particularly on modern schools of thought and applying them to specific works from literature, music, cinema and fine arts.

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Physical Science (PHSC)

PHSC 1101 Introductory Physical Science I **3 Credits**

Non-science majors investigate aspects of the physical world and explore how scientists investigated theories. Students survey physics and chemistry and demonstrate the physical parameters of their surroundings for which Newton's laws of motion are applicable.

PHSC 1102 Introductory Physical Science II **3 Credits**

Prerequisite: PHSC 1101

Students investigate how the physical world functions and how scientists formulate physical laws of nature. Students apply the theories and laws of the physical world to chemistry, astronomy, geology and physics.

PHSC 2011 Introduction to Traditional Forms of Energy **1 Credit**

Students investigate the principals and methods involved in generating energy from fossilized sources such as petroleum, natural gas and coal. Students are introduced to the basic refinery processes, marketing and career opportunities within these fields.

PHSC 2012 Introduction to Non-Traditional Forms of Energy **1 Credit**

Students are introduced to some non-traditional sources of energy such as solar, wind, geothermal, biomass and co-generation. Students explore career opportunities in these fields.

Physics (PHYS)

PHYS 1111K Introductory Physics I **4 Credits**

Prerequisite: MATH 1112 or MATH 1113

Students develop an understanding of the natural laws and concepts of physics as applied to classical mechanics, heat and sound. Students apply the basic concepts of motion, including kinematics and dynamics, thermodynamics and waves, to the solution of real world problems.

PHYS 1112K Introductory Physics II **4 Credits**

Prerequisite: PHYS 1111K

Students apply the fundamental laws of electromagnetism, optics and modern physics to solve "real world" problems.

PHYS 1143 Radiation and Life **3 Credits**

Students learn the basic concepts of health physics through a descriptive overview of everyday exposure of people to ionizing and non-ionizing radiation.

PHYS 2211K Principles of Physics **4 Credits**

Prerequisite: MATH 1154

Students utilize principles and techniques of calculus to study classical mechanics, heat, and waves. The basic concepts of motion, including kinematics and dynamics, thermodynamics and waves are applied to "real world" problems.

PHYS 2212K Principles of Physics II **4 Credits**

Prerequisite: PHYS 2211K

Students apply principles and techniques of calculus to solve real world problems in electromagnetism, optics and modern physics.

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PHYS 2213 Physics III **4 Credits**

Prerequisite: PHYS 2212

Students explore selected topics in classical mechanics and modern physics in order to gain a deeper insight into the physical concepts underlying these topics.

PHYS 3333 Physics of Ionizing Radiation **3 Credits**

Prerequisites: PHYS 2212, PHYS 2213

Students learn the fundamentals of atomic and nuclear structure, basic quantum mechanics, radioactivity and decay kinetics. They also gain an in-depth understanding of charged particle interactions, neutron interactions and shielding.

Political Science (POLS)

(F=Fall Semester, Sp=Spring Semester, S=Summer, TBS=To be Scheduled)

POLS 1101 American Government **3 Credits (3-0) F, SP, S**

Students study the basic constitutional principles of the government of America and the state of Georgia. The organization, powers, and functions of the process of policy determination at the national and state levels are examined. In addition, students learn their rights and responsibilities as citizens. Basic civics skills are emphasized. The importance of using excellent skills of speaking, reading and writing is stressed.

POLS 1180 Honors American Government **3 Credits (3-0) TBS**

Students examine the theory, organization, politics, functions and problems of the American Federal system. Issues affecting the individual student's development as a member of a community of learners and as a citizen are identified. Students complete a broader range of reading assignments, extensively examine the theory of government, and engage at a more in-depth level of analysis of issues than in POLS 1101.

POLS 2210 Introduction to Political Science **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students study major concepts and approaches in the field of Political Science and begin to develop an understanding of the purpose and scope of the discipline. Students undertake their first steps in answering Harold Laswell's famous question: "Who gets what, when, where, how, and why?"

POLS 3300 Political Parties **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students analyze political parties in the United States with a focus on the role these institutions play in the political process. Special emphasis is placed on nominations, propaganda, public opinion, leadership, campaigns, elections and problems associated with the two-party system.

POLS 3301 Political Science Research Methods **3 Credits (3-0) TBS**

Prerequisites: POLS 1101 or POLS 1180

Students study the various approaches and methods used in political science research. After being introduced to the key elements of the Scientific Method, students conduct a research project selecting an appropriate research design, collecting data, employing basic statistical tools in analyzing the data and writing the research report.

POLS 3304 State and Local Government **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

The organization, major functions and state supervision of local government and the problems

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of administration and finance are studied. Students are introduced to issues of interstate relations, relationships between national and state governments, the history of state and local government reform and state and local governmental structures. Selected policy issues, such as crime, welfare and education expose students to the kinds of problems facing state and local government today and to some of the proposed solutions.

POLS 3305 Women and Politics **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students study the historical and currently evolving constitutional and legal rights of women in areas such as marriage, divorce and property ownership. Students become familiar with some of

the basic tenets of major feminist political theories. The effects of public policy on women and women's role in the formation of public policy are examined. Global comparisons are made.

POLS 3309 Governments of Developing Nations **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students examine selected governments of modern and newly developed nations. The historical and political developments of these nations are analyzed critically. As applicable, the impact of Western colonialism, imperialism or constitutionalism on the development of a given nation is examined.

POLS 3310 Minority Politics in the U.S. **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students examine the political strategies and tactics available to political minorities in the United States.

POLS 3312 Political Behavior **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

An examination of the important role public opinion plays in United States politics at the national, state and local levels is conducted. Students also examine the nature of public opinion, the factors which influence its development, the techniques used to manage and manipulate public opinion and the effects which it can exert on both elected and appointed officials.

POLS 3320 Principles of Public Administration **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students focus on the general principles and problems of administrative organizations in the United States. Problems of organizational structure, leadership styles, personnel, finance, administrative law and the growth and significance of administrative legislation and adjudication are examined.

POLS 3330 Legislative Process **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students investigate the legislator's role in public policy formation with emphasis on topics such as legislative development, organization, rules and procedures, recruitment, executive/legislative relations and the role of political parties and interest groups.

POLS 3350 Seminar in Politics **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students engage in intensive readings and/or conduct research on a special topic of interest. Students may repeat this course for credit studying different topics to earn a maximum of 9 credit hours.

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POLS 4401 Public Policy Analysis **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students examine the process of policymaking with specific emphasis on the impact of public policy factors, policy implementation and evaluation and budgeting.

POLS 4402 African Politics **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students examine and compare the political systems of selected African nations. The similarities and differences in the historical, political, economic and social characteristics of political regimes are analyzed.

POLS 4403 Comparative Politics **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students develop general concepts and models which serve to explain, compare and contrast political life in the diverse nation-states of the world. Countries other than the United States are studied. Students study and compare the structures of first, second and third world countries by considering interest groups, political parties, legislatures and election systems. The political systems of countries such as Great Britain, Japan, China, and Nigeria are studied in detail.

POLS 4405 International Politics **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students examine the states in the international arena focusing on such topics as state and non-state actors, political and economic geography, power and diplomacy, conflict resolution, war and national security. Students develop the foundation required for advanced study in international politics.

POLS 4406 Political Theory **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students explore systematic efforts to explain and interpret political phenomena. Important works from the western tradition and works of non-western thinkers are considered. Students investigate questions of political obligation, political consent, justice, freedom and equality.

POLS 4407 International Political Economy **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students analyze international economic and financial systems. They focus on the creation, maintenance and decay of monetary, financial and trading institutions in the global economy, as well as on monetary and financial relations between the United States and other industrial nations. Conflicts and cooperation between the North and the South, especially involving African nations, are understood.

POLS 4408 Constitutional Development **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students use the case method to examine United States constitutional law. They analyze procedures of the Supreme Court and review and brief Supreme Court cases. An introduction to the relationships existing among the U.S. Congress, the Presidency, the Supreme Court and the States is provided. The first, fourth, fifth, sixth and fourteenth amendments are studied as students consider such issues as freedom of speech, freedom of religion, protection against illegal search and seizure and the right to counsel.

POLS 4415 International Law **3 Credits (3-0) TBS**

This course is designed to offer students an opportunity to study: The liberal, conservative and

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socialist conceptions of human and civil rights; individualistic versus community rights; human rights from an economic, political, social and cultural perspective; and human rights within the context of the 1948 Geneva Conventions, as amended.

POLS 4440 The American Presidency **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Students examine the rise and fall of presidential power, the roots and development of the office, the selection as a process, presidential personality and policy making, with special emphases on economic and foreign policy relations between the President and Congress, the Courts and the public. Students use the experiences of selected presidents as case studies to illustrate many of these relationships.

POLS 4450 Political Science Capstone Course **3 Credits (3-0) TBS**

Prerequisite: POLS 1101

Seniors review the theories, concepts and knowledge acquired as a political science major in the interest of developing a comprehensive paper on a selected topic and in preparation for the exit examination each of which is required for graduation.

POLS 4491 Internship I **3 Credits (3-0) TBS**

POLS 4492 Internship II **6 Credits (6-0) TBS**

POLS 4493 Internship III **12 Credits (12-0) TBS**

Prerequisites: POLS 1101 and Be a Junior or Senior Students with All Core Requirements Completed. A Minimum Cumulative 2.5 GPA with a Minimum 3.0 GPA in the Major Are Required.

Students apply the theoretical knowledge learned in the classroom with practical situations in the work place. They participate in political affairs. Working together with their advisors, students identify internship experiences which are suited to their personal and career goals.

Plant Science (PSCI)

PSCI 1804 Crop Science **4 Credits**

Student gain an awareness of the basic principles and theories governing agronomic and horticultural crop production including land distribution on a worldwide basis; plant cells, tissues and organs and their functions; the effects of temperature, water, light, and nutrition on plant growth and development and crop rotation.

PSCI 2803 Introduction to Biotechnology **3 Credits**

Prerequisites: PSCI 1804 or BIOL 1107K

Students will investigate the basic elements of biotechnology and discover career opportunities in the biotechnology industries. Students will demonstrate a mastery of terminology, basic understanding of proteins, enzymes, nucleic acids and bacterial culture as well as descriptions of gene expression, gene manipulation, DNA cloning and applications in genetics, medicine and industry. Students will evaluate the impact of biotechnology on human society, agriculture and the global environment.

PSCI 3813 Principles of Weed Control **3 Credits**

Prerequisites: CHEM 1220 and CHEM 2201

Students are introduced to the fundamental principles of weed control, seed dormancy and germination. Students identify and classify weeds as related to control measures. Students also demonstrate the ability to calibrate equipment and properly utilize herbicides.

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PSCI 3822 Crop Ecology **2 Credits**

Students recognize and demonstrate an understanding of the effects of environmental factors on crop lands as they influence crop distribution, competition, productions and adaptation.

PSCI 3833 Forage Crops and Pasture Management **3 Credits**

Students learn the fundamentals of grassland farming. Students utilize the knowledge gained to understand adaptation, nutrient requirements, utilization and maintenance of grasses, legumes, and grass-legume mixtures as well as native forages.

PSCI 3843 Farm Forestry **3 Credits**

Students are introduced to the fundamental concepts and skills needed in tree identification, understanding forest adaptation and composition, silvicultural systems, mensuration, forest protection, the effects of management practices on economic returns and ecological systems and forest management for recreational uses.

PSCI 3853 Plant Pathology **3 Credits**

Prerequisites: BOTN 2001

Students recognize the causes, effects and control measures of common plant diseases as influenced by different micro-organisms.

PSCI 3862 Plant Physiology **3 Credits**

Prerequisite: PSCI 1804

Students gain knowledge of water relations, mineral and organic nutrition, growth and reproduction of plants. Students apply the concepts of plant physiology in seeking solutions to many physiological plant related problems.

PSCI 3872 Cooperative Education **2 Credits**

Students participate in planned work experiences that are coordinated with cooperating agencies and industries. Students gain work and educational experiences that afford them the opportunity to make value-added career decisions.

PSCI 3883 Genetic Engineering **3 Credits**

Prerequisite: PSCI 1804 or BOTN 2001 or BIOL 1108K

Student will investigate the technical aspects of gene transfer in plants as well as the application of gene transfer technology in basic and applied research. Student will demonstrate the ability to use basic tissue culture techniques as well as knowledge of vector construction, the theory of gene selection and various DNA delivery systems. Student will investigate the regulatory aspects of gene transfer research, laboratory guidelines for patent issues, field testing and commercialization of genetically engineered plants.

PSCI 4832 Research Methods **2 Credits**

Prerequisite: MATH 2113

Students identify a research problem in their major field of study and investigate it under the guidance of a faculty member in the discipline. Students demonstrate the effective use of the scientific method in solving research problems. Literature review, vocabulary development and analysis of experimental designs are emphasized.

PSCI 4833 Principles of Plant Breeding **3 Credits**

Prerequisites: BOTN 2001 and BIOL 4254

Students study the fundamental principles and concepts of plant breeding, genetic engineering, chemical and insect resistance plants, methods of breeding and progeny records. Additionally, students develop the skills and techniques required for plant breeding.

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PSCI 4843K Techniques in Molecular Biology **3 Credits**

Prerequisites: *PSCI 3883K or BIOL 4234K or BIOL 3223*

Students will experience and understand selected methods, techniques and instrumentation used in molecular biology. Student will investigate plasmid and cloning, DNA isolation from a variety of organisms, DNA mapping, protein isolation and identification, computer simulations and data analysis and conduct sequence searches through Internet.

PSCI 4811 Seminar **1 Credits**

Prerequisite: *Junior Standing*

Students acquire the basic skills and techniques needed to present research results successfully, and to present other data on trends in plant and soil science and related areas. The most recent visual and computer technology resources are used to analyze and present data.

PSCI 4863 Plant Biotechnology **3 Credits**

Prerequisites: *BOTN 2001 and CHEM 2201*

Students are introduced to the basic concepts of genetic engineering and molecular biology. Students acquire "hands on" experiences with various plant cell/tissue cultures, gene isolation and cloning and genetic manipulation techniques. Students will gain knowledge of the emerging role of biotechnology and its impact on the food and agriculture industry, human society and the global environment.

Psychology (PSYC)

PSYC 1101 General Psychology **3 Credits**

Students learn to apply basic psychological concepts to everyday life. As they achieve familiarity with psychological research methods, child development, principles of learning, cross-cultural psychology and psychological disorders, students improve their abilities to make informed personal and career choices.

PSYC 2902 Careers and Issues in Psychology **2 Credits**

Prerequisite: *PSYC 1101*

Students improve their abilities to make informed career choices as a result of becoming familiar with the various areas of professional psychology. Students plan their course selections based upon a stronger understanding of the ways in which psychologists conduct research, study and contribute to the work environment, promote physical and mental health and serve their communities. Personal and educational needs and preferences relative to pursuing a career in psychology are assessed.

PSYC 3003 Psychological Research I **3 Credits**

Prerequisites: *PSYC 1101 and BHSC 2300*

Students differentiate among various types of psychological inquiry, to choose appropriate research methods relative to the questions being asked, to design and implement research strategies, to evaluate the resulting data and to interpret those data with respect to the history of research in the area.

PSYC 3013 Psychological Research II **3 Credits**

Prerequisite: *PSYC 3003*

Students are able to design and implement an original research project. Students collect data, analyze those data and communicate the results via a report written using the American Psychological Association (APA) style.

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PSYC 3023 Abnormal Psychology 3 Credits

Prerequisite: PSYC 1101

Students identify the characteristics of mental disorders as described by the Diagnostic and Statistical Manual of Mental Disorders, 4th Edition (DSM-IV). Students discuss in detail the various theories of causation relative to mental disorder, as well as the primary methods of treatment.

PSYC 3033 Developmental Psychology 3 Credits

Prerequisite: PSYC 1101

Students study the major theories of developmental psychology and develop the ability to critique, select and apply various methods used in the study of psychological development. Students become knowledgeable of the developmental psychology research in relevant throughout one's lifespan.

PSYC 3043 Psychology of Learning 3 Credits

Prerequisite: PSYC 1101

Students are acquainted with the elementary principles of behavior change. Students make behavioral observations and analyze them with regard to these principles. Students learn to identify the applications of respondent conditioning, operant conditioning and observational learning in a variety of settings.

PSYC 3053 Physiological Psychology 3 Credits

Prerequisite: PSYC 1101

Students engage in the analysis of behavior from a biological perspective. Students discuss the complexity of relationships between the neural and the behavioral, to critique recent data in the area of brain and behavior and learn to place those data in perspective by relating them to major theoretical approaches.

PSYC 3063 Personality 3 Credits

Prerequisite: PSYC 1101

Students become familiar with the major theories of personality. Students discuss the integration of constitutional, social, and cultural factors taking place in the development of individual behavior patterns. Students become familiar with methods of personality assessment.

PSYC 4013 History of Psychology 3 Credits

Prerequisite: PSYC 1101

Students trace the development of the science of psychology from its early nonscientific, philosophical roots to its current methodologies. Students become familiar with major schools, systems and individuals within the discipline. A distinction is made among current psychological approaches with respect to their historical antecedents.

PSYC 4023 Psychological Testing 3 Credits

Prerequisite: PSYC 1101

Students discuss general measurement theory as applied to psychology. Psychological tests are critiqued with respect to validity and reliability. Students demonstrate the ability to administer and interpret selected psychological tests.

PSYC 4033 Psychopharmacology 3 Credits

Prerequisite: PSYC 1101

Students demonstrate an understanding of the neurochemical systems of the brain and the means by which psychoactive agents produce behavioral and experiential alterations. Students critique drug classification systems. Students analyze recent data concerning the

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neurochemical bases of drug-related behavioral and experiential change.

PSYC 4043 Psychology of Religion

3 Credits

Prerequisite: PSYC 1101

Students become familiar with the characteristics of the psychology of religion as an area of inquiry within the discipline. They learn to trace the historical development of the field and to discuss its main theoretical approaches. Students demonstrate an understanding of research trends regarding: the development of religious attitudes, the relationship of personality to religion, varieties of expressive behavior in religious practice, neurology and religious experience, the social and cultural psychology of religion and the relation of religious belief and practice to behavior.

PSYC 4053 Behavior Modification

3 Credits

Prerequisite: PSYC 1101

Students demonstrate familiarity with techniques of changing behavior via environmental manipulation. Students learn to apply cognitive-behavioral techniques to effect behavior alteration. Students become familiar with the major research designs and procedures used in the field of behavior therapy.

PSYC 4063 Child Psychology

3 Credits

Prerequisite: PSYC 1101

Students learn the major theories of child development, make observations of child behaviors and relate these to theoretical perspectives and current research in the area. Students trace the development of the child in the physical, affective and cognitive domains.

PSYC 4073 Cross-Cultural Psychology

3 Credits

Prerequisite: PSYC 1101

Students learn to recognize cultural and societal differences and similarities as they manifest themselves behaviorally. Students analyze the factors of gender, race and class as they relate to behavior. In addition the student develops an awareness and understanding of individual and group variation in terms of development, individual relationships and social functioning.

PSYC 4083 Forensic Psychology

3 Credits

Prerequisite: PSYC 1101 and Junior/Senior standing

This course is intended for advanced undergraduate psychology majors and students in other majors who are interested in introduction and overview of forensic psychology. Forensic psychology involves the application of psychological knowledge or methods to: criminal investigation assessing defendant for insanity or competency, assessing people for risk of violence, sexual offense or other dangerous behaviors, trial and trial jury consultation, child-custody evaluations, understanding interrogations, confessions and eyewitness identification, and the selection and training of law enforcement officers.

PSYC 4096 Senior Seminar in Psychology

3 Credits

Prerequisite: PSYC 3013 and Senior Standing in Psychology

A capstone course designed to complete the major by integrating the student's prior academic experiences in psychology. Contemporary issues, problems, research, and theories from the different areas identified in the psychology curriculum will be examined. Discussion will focus on both substantive and methodological concerns as well as interconnections among areas of study. Application of academic and extracurricular experiences related to choice of career will be examined. A seminar format will be used throughout the course to encourage student participation and interaction with peers and with faculty.

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PSYC 4097 Honors Seminar in Psychology

3 Credits

Prerequisite: PSYC 4096, Senior Standing and Instructor Permission

Students will explore more fully an area of research from their academic experience or special areas in psychology. Students will prepare an APA style manuscript for publication or presentation. The student will follow the required publication or presentation process of the selected journal or presentation venue. This course is constructed to facilitate the professional growth and development of majors, especially those planning to further their careers through graduate level work.

PSYC 4912 Internship

12 Credits

Prerequisite: Senior Standing in Psychology

Students work in a setting appropriate for the application of psychological skills. Students learn to function in a professional environment. Students are placed under the supervision of a social science worker while completing 400 hours of service.

Reading (READ)

READ 2100 Literacy Comprehension

3 Credits

Students refine their reading skills (literal, interpretive and critical comprehension, reading speed and vocabulary) through wide and responsive reading of content area material. They practice teaching these reading skills and strategies to early adolescents in a community program.

READ 2110 Introduction to Literacy Assessment and Instruction

3 Credits

This course is a comprehensive overview of literacy assessment and instructional strategies to meet the specific literacy difficulties of children functioning on reading grade levels Pre-K-12. It emphasizes informal literacy assessment and modeling and scaffolding comprehension/metacognition, vocabulary, word identification (print skill), motivational, and fluency strategies. Students engage in these literacy assessment and instructional tasks on their levels for self-improvement and then simulate the assessment and instruction of children on various reading grade levels with various literacy difficulties. Finally, as they master these procedures, students apply this knowledge in the field. They assess and tutor children in a community program. Technology will be utilized.

READ 2100L/2110L Literacy Lab

3 Credits

Students engage in teaching literacy skills and strategies to early adolescents in one-on-one and small group tutoring sessions in the FVSU Literacy Clinic.

READ 3623 Differentiated Instruction for Teaching Reading and Writing in Middle Grades

3 Credits

This course is a study of middle level curriculum issues and trends that focus on a variety of strategies that integrate reading and writing in middle grades. Candidates investigate the stages of individuals' reading and writing development, as well as effective teaching strategies, assessment techniques, and organization for instruction.

READ 3723 Classroom Literacy Assessment and Instruction

3 Credits

Prerequisites: Admission to Teacher Education Program; READ 3823 Expanding Literacy across the Content Areas in the Middle Grades

This course examines literacy difficulties encountered by youth in the classroom. It emphasizes both formal and informal assessment. Using data from individual cases, students

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will practice problem-solving strategies as they relate to classroom situations. Students assess literacy performance, analyze available information and plan instruction.

READ 3820 Expanding Literacy Across the Curriculum in Early Childhood/Special Education 3 Credits

In this course, candidates investigate the theories, practices, methodologies, issues, perspectives, complexities, and rewards of teaching reading across content areas. In doing so, candidates employ action research and inquiry approaches in subject areas and develop personal understandings of the strategies for teaching and learning to read in the content areas in early childhood and early childhood special education classrooms.

READ 3823 Expanding Literacy Across the Content Area in Middle Grades 3 Credits **Prerequisites: Accepted into the Educator Preparation Program**

In this course, candidates investigate the theories, practices, methodologies, issues, perspectives, complexities, and rewards of teaching reading across content areas. Students will employ inquiry approaches in subject areas and develop personal understandings of the strategies for teaching and learning to read in the content areas.

READ 3924 Literacy Research 3 Credits

Prerequisites: READ 2100, READ 2110 and READ 3623, or READ 3723, or READ 3823

This course is designed to investigate the current issues and trends in literacy instruction. Emphasis will be on review of reading research literature and application of current practices and trends in research studies.

Science (SCIE)

SCIE 3102 Principles of Physical Science 3 Credits

Prerequisites: PHSC 1101, BIOL 1104

Students investigate how the physical world functions and how scientists formulate physical laws of nature. Students analyze and apply theories and laws of the physical world of chemistry, astronomy, geology meteorology and physics. Students explore and investigate the five areas of physical science.

SCIE 3103 Principles of Environmental Science 3 Credits

Prerequisites: PHSC 1101, BIOL 1104

Students identify the characteristics of ecosystems and their components. They recognize inter-relationships in the biosphere and processes affecting them. Students form a knowledge base for evaluating personal, societal and political choices on environmental issues.

SCIE 3121 Principles of Geology 3 Credits

Prerequisites: PHSC 1101, BIOL 1104

Students gain an understanding of physical geology which includes minerals and rocks, internal and external earth processes. Students demonstrate a knowledge of earth's structure and history. They are exposed to earth's atmosphere and oceans. Students explore theories of the origin of the universe, solar system and Earth-Moon system.

SCIE 3303 Principles of Science 3 Credits

Prerequisites: PHSC 1101, BIOL 1104

Students compare, interpret and analyze interactions between physical, chemical, biological and geological systems. Interactive laboratory experiences are designed to aid education students interconnect principles of science common to scientific disciplines.

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Sociology (SOCI)

- SOCI 1101 Introduction to Sociology** **3 Credits**
Students survey sociology as a discipline, examining such topics as sociological theory and methods and selected substantive areas. Students gain an understanding of the methods used for studying society. They learn to relate social theories to observable social behavior. Observations are made of the relationships of the students' personal experiences with the more general social processes.
- SOCI 2008 Cultural Diversity** **2 Credits**
Students increase their awareness of the global society in which we live. The impact of ethnocentrism, stereotypes and macro social forces on cultural values is examined. Students gain an understanding of the role the individual and group play in promoting a consciousness for cultural diversity. Through their explorations, students are able to make informed career and life choices.
- SOCI 2012 Introduction to Anthropology** **3 Credits**
Prerequisites: SOCI 1101, SOCI 2008
Students will examine aspects of cultural anthropology to understand the development of human societies and their cultures.
- SOCI 3000 Developmental Social Theory** **3 Credits**
Prerequisites: SOCI 1101, SOCI 2008
Students will evaluate the theories and philosophies that formed the field of sociology.
- SOCI 3010 Cultural Anthropology** **3 Credits**
Prerequisite: SOCI 1101
Students will explore the nature of culture, its principal institutions, and human behavior.
- SOCI 3015 Urban Sociology** **3 Credits**
Prerequisites: SOCI 1101, SOCI, 2008
Students will examine the processes and patterns of urban development and the impact of urbanism on social interaction and societal organization.
- SOCI 3025 Social Policy** **3 Credits**
Prerequisites: SOCI 1101, SOCI 2008
Students will examine the development of social policy in selected areas such as, the family, education, race and race relations, welfare, poverty, crime, and health. They will analyze specific social policies in relationship to current social issues.
- SOCI 3030 Survey of Social Thought** **3 Credits**
Prerequisite: SOCI 1101
Students will examine ancient and contemporary thinking that influenced the social and behavioral sciences and public commentaries on social issues and criticisms.
- SOCI 3035 Gender Studies** **3 Credits**
Prerequisites: SOCI 1101, PSYC 1101
Students will analyze selected sociological perspectives of women's and men' status and roles in major societies.

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- SOCI 3038 Contemporary Social Problems** **3 Credits**
Prerequisite: SOCI 1101
Students will investigate social dimensions of change, conflict, and disorganization in society, along with an analysis of institutional and deviant behavioral patterns.
- SOCI 3050 Media and Society** **3 Credits**
Prerequisites: SOCI 1101, SOCI 2008
Students will explore the techniques used in mass communications to influence and control social thought, values, and policy.
- SOCI 3055 Sociology of Religion** **3 Credits**
Prerequisites: SOCI 1101, SOCI 2008
Students will investigate major world religious beliefs and the effect these beliefs have on social institutions.
- SOCI 3060 Community Development** **3 Credits**
Prerequisites: SOCI 1101, SOCI 2008
Students will explore from a socio-political point of view the socio-ecosystem and its effect on community development.
- SOCI 3070 Social Change** **3 Credits**
Prerequisites: SOCI 1101, SOCI 2008
Students will explore social issues to determine how these issues influence changes in society.
- SOCI 4000 Advanced Social Theory** **3 Credits**
Prerequisite: SOCI 3000
Students will explore twentieth century sociological thought and analyze its impact on modern society. This course is for students contemplating graduate study in the behavioral sciences.
- SOCI 4010 Sociology of the Family** **3 Credits**
Prerequisites: SOCI 1101, SOCI 2008
Students will analyze the American family, values, and related issues in perspective. Theory and method in sociological studies of the family will be interpreted with an acute interest in the American family.
- SOCI 4031 Social Gerontology** **3 Credits**
Prerequisite: SOCI 1101
Students study cross-cultural views on aging, social implications of aging population, social adjustment to the process of aging, and societal reactions to and provisions for person in later life.
- SOCI 4073 Social Psychology** **3 Credits**
Students gain an understanding of the critical social psychological factors contributing to individual behavior. Theoretical and methodological approaches, focused on the interpretation of patterns of social behavior, are reviewed and assessed.
- SOCI 4080 Population and Society** **3 Credits**
Prerequisite: SOCI 1101
Students will correlate social factors as race relations, population density and employment for selected regions of the United States.

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SOCI 4100 Deviance **3 Credits**

Prerequisite: SOCI 1101

Students will investigate the deviant and alternate behavior and compare it to other lifestyles in contemporary society.

SOCI 4131 Introduction to Social Research **3 Credits**

Prerequisite: Completion of All SOCI 2000 and 3000 Level Courses

An understanding of quantitative and qualitative research procedures is acquired through a review of statistical and qualitative measurement procedures. Students explore different phases of the research process with emphasis on literature reviews. The design of a research proposal is begun.

SOCI 4132 Social Research Seminar **3 Credits**

Prerequisite: SOCI 4131

Students gain a working knowledge of the processes by which surveys and case studies are conceptualized and conducted. They review the literature on a topical question and complete the design of a research proposal prior to conducting the research.

Social Work (SOWK)

SOWK 2001 Introduction to Social Work and Social Welfare **3 Credits**

An awareness of the social problems and contemporary social systems impacting Americans from various walks of life is gained. Students examine and understand the roles of social welfare, social policies and social programs in meeting the challenges of our ever changing society. Insights are gained into the roles of social work professionals and their work settings.

SOWK 2002 Social Work Ethics **3 Credits**

Students will gain knowledge of social work core values to develop and enhance their professional lives. Using the NASW Code of Ethics, students will address case material that will give them better insight in professional service, social justice, dignity and worth of persons, human relationships, and competence. Students will learn how to critically think about moral issues as they apply to diverse populations and various practice settings.

SOWK 2401 Human Behavior in the Social Environment **3 Credits**

Prerequisite: SOWK 2001

Students examine and critique human development from conception to death. Critical to this examination will be the social work student's comprehension of the physiological and sociological development and the meaningful milestones impacting the individual, family and community-at-large. Piaget's theory on learning and Freud's theory on psychosexual development are sample theories studied.

SOWK 3007 Community Organization **3 Credits**

Prerequisite: SOWK 2001

Students distinguish and interpret current social needs which impact the lives of entire communities on a macro level. Using the campus as a community, students identify a need then plan, design and implement a change mechanism to improve the campus community. Through explorations and experiences, students acquire a sound knowledge of how to motivate "grass root" movements through community organizing.

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SOWK 3011 Theory and Methods of Social Work Practice I **3 Credits**

Prerequisites: SOWK 2001 and SOWK 2401

Students examine in depth the theoretical models of therapy and basic counseling techniques that are central to expediting change in the individual. The most plausible means of engaging clients/patients using an eclectic approach are distinguished and determined. Students learn and practice the professional social worker's Code of Ethics.

SOWK 3012 Theory and Methods in Social Work Practice II **3 Credits**

Prerequisites: SOWK 2001 and SOWK 2401

Students explore in depth the theories, issues and challenges involved in helping people using the methodology of group work. Practical experiences required for students to function in therapeutic group settings with the skills and proficiencies of a *generalist* are acquired.

SOWK 3013 Diversity in Social Work Practice **3 Credits**

This course enhances student understanding of human diversity and engages students in critical thought and a lifetime pursuit of cultural competence. Students are also exposed to knowledge and understanding of the positive role of cultural and physical diversity in their lives. Participation in class discussions is encouraged concerning students' own particular diverse social statuses and their relations with other persons, particularly future social work clients. Students will be challenged to expand their perceptions of others who are different from them. Emphasis is placed on enhancing respectful and empathetic communication toward the pursuit of social justice.

SOWK 3400 Practicum I **6 Credits**

Prerequisites: SOWK 2201 and SOWK 2401

Students engage in meaningful learning opportunities in a variety of social work settings in regional, community-based agencies and organizations. Students spend on the average about 20 hours per week on site. Their experiences are shared in a weekly seminar held on campus.

SOWK 4030 Social Work in the Field of Gerontology **3 Credits**

Prerequisite: Completion of All SOWK 2000 Level courses

Students examine social work practices with elderly clients and describe their unique problems consistent with the experiences of a *generalist* social worker. Current U.S., Georgia, and local social welfare policies and social welfare systems governing services rendered to the elderly are evaluated. Comparisons and contrasts are made in services provided the general population, the elderly population and sub-categories of the elderly population (women and minorities).

SOWK 4040 Social Work with Developmentally Disabled Persons **3 Credits**

Prerequisite: Completion of All SOWK 2000 Level Courses

Students examine the etiology of developmentally disabled persons as well as the courses their lives follow. Problems common to disabled persons (and their families) are identified and measures of intervention are appropriately characterized consistent with the practical skills of a *generalist* social worker. Students appraise current U.S., Georgia, and local social welfare policies and the associated services as well as social welfare systems in rendering services to disabled persons.

SOWK 4050 Social Work Administration **3 Credits**

Prerequisite: Completion of All SOWK 2000 Level Courses

Students learn the origin of social work administration and its applicability to profit and nonprofit agencies. Work relationships, managerial and supervisory styles, resource planning and procedures for organizing and coordinating interagency business are examined and analyzed so that students are able to assess and determine their roles as prospective

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administrators in the field.

SOWK 4060 Human Services in Rural Communities 3 Credits

Prerequisite: Completion of All SOWK 2000 Level Courses

Students examine the special problems confronted by human services workers in rural areas to include an exploration of attitudes and values of rural citizens and the obstacles they face in service delivery. Innovative collaborative approaches are used.

SOWK 4070 Intervention in Violent and Abusive Relationships 3 Credits

Prerequisite: Completion of ALL SOWK 2000 Level Courses

Students learn the history and sources of violence and abuse in America. Specifically, students examine and analyze cultural and societal norms and value systems in America which facilitate the escalation of violence and abuse. Students learn and implement preventive measures to deter violence and abuse in their spheres of control.

SOWK 4080 Social Work with Children and Families 3 Credits

This course is a critical examination of social policies, research, and practices impacting at-risk children and families' quality of life. Students will acquire skills necessary to understanding family dynamics and indicators of maltreatment and effective interventions on the micro and macro level. Emphasis is placed on the role of the social work practitioner in enhancing the well-being of children and families in contemporary society.

SOWK 4110 Social Welfare Policy (See SOCI 4131) 3 Credits

Prerequisite: Completion of All SOWK 2000 and 3000 Level Courses

Students examine current U.S., Georgia, and local social welfare policies and the associated services. Students describe policy development, the intended impact, policy implementation and the actual impact (if available). Students assess current needs within their environment and make policy recommendations to local, state or federal officials.

SOWK 4131 Introduction to Social Research 3 Credits

Prerequisite: Completion of All SOWK 2000 Level Courses

An understanding of quantitative and qualitative research procedures is acquired through a review of statistical and qualitative measurement procedures. Students explore different phases of the research process with an emphasis on literature reviews. The design of a research proposal is begun.

SOWK 4132 Social Research Seminar (See SOCI 4132) 3 Credits

Prerequisite: SOWK 4131

Students gain a working knowledge of the processes by which surveys and case studies are conceptualized and conducted. They review the literature on a topical question and complete the design of a research proposal prior to conducting the research.

SOWK 4399 Field Observation and Experience 3 Credits

Prerequisite: Completion of All SOWK 2000 and 3000 Level Classes

Students prepare for social work practice by learning to apply social work theory to the interpretation of current social issues. Students gain insight into and learn what their unique contributions are as a general social work professional.

SOWK 4400 Practicum II 12 Credits)

Prerequisite: Completion of the Suggested Program of Study

Students are placed in a social service agency, institution or community organization; students apply the knowledge and skills of general social work practice appropriate to the setting he/she

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is in. Students are placed under the supervision of a social service worker while completing 400 hours of service.

Spanish (SPAN)

SPAN 1001 Elementary Spanish I **3 Credits**

The fundamentals of pronunciation and grammar are learned as students develop the ability to listen/understand, speak, read and write Spanish with reasonable proficiency. An introductory knowledge and awareness of Spanish and Spanish American cultures are acquired.

SPAN 1002 Elementary Spanish II **3 Credits**

Prerequisite: SPAN 1001 or Equivalent

Continued language proficiency using an integrated approach is ensured as students master the basic skills of speaking, listening, reading and writing. Cross-cultural awareness is emphasized as students further their development of a practical vocabulary in the language. Accurate pronunciation is stressed.

SPAN 2001 Intermediate Spanish I **3 Credits**

Prerequisite: SPAN 1002 or Equivalent

Students reinforce mastery of the four basic skills while extending knowledge of the language through emphasis on oral and written presentations and more complex grammatical structures. Spanish and Spanish American cultures are studied through a systematic approach to the development of syntax and style.

SPAN 2002 Intermediate Spanish II **3 Credits**

Prerequisite: SPAN 2001 or Equivalent

Students continue to build their vocabulary and practice complex grammatical forms through structured oral and written exercises. Literal and idiomatic expressions in Spanish and Spanish American usage are contrasted. Students also study Spanish and Spanish American themes in daily life.

SPAN 3013 Spanish Phonetics and Conversation **3 Credits**

Prerequisite: SPAN 2002 or Equivalent

Students analyze, produce, and execute Spanish sounds through classroom and laboratory drills, as well as through conversation practice. Students learn the basic sounds with the goal of speaking the language correctly.

SPAN 3023 Spanish Grammar Review and Composition I **3 Credits**

Prerequisite: SPAN 1004 or Equivalent

Students demonstrate improved and competent knowledge of Spanish grammar through complete review and practice and will exhibit better writing and speaking skills through regular compositions, class discussions and conversations. This course is also designed to acquaint students with basic elements of syntax and style essential for improved competence in written expression.

SPAN 3033 Spanish Grammar Review and Composition II **3 Credits**

Prerequisite: SPAN 3023 or Equivalent

Students further reinforce their knowledge of Spanish grammar through complete review and practice and further exhibit better writing and speaking skills through regular compositions and through class discussions and conversation in Spanish. This course is also designed to

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acquaint students with the basic elements of syntax and style essential for improved competence in written expression.

SPAN 3043 Spanish and Spanish-American Civilization **3 Credits**

Prerequisite: SPAN 2002 or Equivalent

Students become acquainted with and develop their application of the political, cultural, social, religious, educational and economic life of the Spanish-speaking peoples and their civilization. They study the different peoples and cultures that make up the Spanish-speaking world and eventually apply this knowledge in their own culture and in their careers.

SPAN 3053 Survey of Spanish Peninsular Literature **3 Credits**

Prerequisite: SPAN 3043 or Equivalent

Students read, discuss and analyze some of the most important literary productions of Spanish from the Middle Ages to the present. Students also become acquainted with the literary and cultural history of Spain, and will gain a perspective not only on Spanish civilization but also on reading techniques and discussion that will prepare them for further studies in Spanish.

SPAN 3063 Survey of Spanish-American Literature **3 Credits**

Prerequisite: SPAN 3043 or Equivalent

Students read, discuss and analyze some of the most important literary productions of Spanish America from the sixteenth century to the present. Students also become acquainted with the literary and cultural history of Spanish America, and gain a perspective not only on Spanish-American civilization but also on reading techniques and discussion that will prepare them for further studies in Spanish.

SPAN 4013 Studies in Sixteenth and Seventeenth Century Spanish Literature **3 Credits**

Prerequisite: SPAN 3053 or Equivalent

Students gain an in-depth knowledge of the most important literary works of Spain in the sixteenth and seventeenth centuries, the Renaissance and Baroque periods. Students are acquainted with the history and culture of Spain during these periods and gain other useful literary expertise and reading strategies that will prepare them for further study in Spanish.

SPAN 4023 Studies in Modern Peninsular Literature **3 Credits**

Prerequisite: SPAN 3053 or Equivalent

Students gain in-depth knowledge of the most important literary works of Spain in the 19th and 20th centuries, the Modern period. Students also become acquainted with the history and culture of Spain during that period, and gain other useful literary perspectives and reading strategies that prepares them for further studies in Spanish.

SPAN 4033 Studies in Spanish American Literature I **3 Credits**

Prerequisite: SPAN 3063 or Equivalent

Students gain an in-depth knowledge of the most important literary productions of Spanish America from the 16th through the 19th centuries. They learn the historical and cultural foundations of this period and gain other useful literary perspectives and reading strategies that prepare them for further study in Spanish.

SPAN 4043 Studies in Spanish American Literature II **3 Credits**

Prerequisite: SPAN 3063 or Equivalent

Students gain an in-depth knowledge of the most important literary productions of Spanish America in the 20th Century. They are acquainted with the historical and cultural backgrounds of this period, and gain other useful literary perspectives and reading strategies that prepare them for further study in Spanish.

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SPAN 4053 Independent Study of Peninsular Literature **3 Credits**

Prerequisite: By Permission of the Instructor

Spanish majors who need further study of certain major Spanish authors and their main works gain in-depth knowledge of specialized areas and periods of Spanish Peninsular literature through independent study. Students become well acquainted with the historical and cultural backgrounds of the region. May be repeated for credit when a different topic of study is pursued.

SPAN 4063 Independent Study of Spanish American Literature **3 Credits**

Prerequisite: Permission of the Instructor

Spanish majors who need further study of specific authors and their works gain an in-depth knowledge of certain areas and periods of Spanish-American literature. They also become well acquainted with the historical and cultural backgrounds of the region. May be repeated for credit when a different topic of study is undertaken.

SPAN 4203 Business Spanish I **3 Credits**

Prerequisite: SPAN 3023 or by permission of department

This course will provide both theoretical and practical orientation to Hispanic business practices and culture. The purpose of this course is to develop further student ability to communicate in Spanish business-related activities. Students will learn business vocabulary, basic business and cultural concepts and the administrative practices, necessary to be successful in doing business in the Spanish-Speaking environment.

SPAN 4213 Business Spanish II **3 Credits**

Prerequisite: SPAN 3023 or by permission of department

This course will provide both a more advanced theoretical and practical orientation to Hispanic business practices and culture. The purpose of this course is to develop further student ability to communicate in Spanish business-related activities. Students will learn business vocabulary, basic business and cultural concepts and the administrative practices, necessary to be successful in doing business in the Spanish-Speaking environment.

SPAN 4233 Spanish for Criminal Justice **3 Credits**

Prerequisite: SPAN 3000-level or SPAN 4213/4223 or by permission of department

Students will demonstrate and utilize knowledge of Spanish as it applies to the area of Criminal Justice. They will learn phrases, terminology, and vocabulary in Spanish in the aforementioned area. Students will be able to put in practice what they have learned in this course.

SPAN 4243 Spanish for Social Sciences **3 Credits**

Prerequisite: SPAN 3023 and/or 4200-level SPANISH COURSES or by permission of department

Students will demonstrate and utilize knowledge of Spanish as it applies to the field of Social Science. They will utilize this skill and knowledge in their chosen career or profession, in order to serve the Community.

SPAN 4253 Spanish for Health Services **3 Credits**

Prerequisite: SPAN 3023 and/or 4200-level SPANISH COURSES or by permission of department

Students will demonstrate and utilize knowledge of Spanish as it applies to the field of Health Services. They will utilize this skill and knowledge in their chosen career or profession, in order to serve the Community.

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SPAN 4263 Spanish for Agriculture **3 Credits**

Prerequisite: SPAN 3023 and/or 4200-level SPANISH COURSES or by permission of department

Students will demonstrate and utilize knowledge of Spanish as it applies to the field of Agriculture. They will utilize this skill and knowledge in their chosen career or profession, in order to serve the Community.

SPAN 4273 Spanish for Mass Communications **3 Credits**

Prerequisite: SPAN 3023 and/or 4200-level SPANISH COURSES or by permission of department

Students will acquire a basic understanding of mass media focusing on world-wide Spanish markets. They will engage in intensive oral and written practice, focusing on vocabulary, simulation, and communicative skills specific to television, radio, newsprint, public relations and the web.

SPAN 4300 Practicum in Spanish **3 Credits**

Prerequisite: 4200-level SPANISH COURSES or by permission of department

In this course, students will be engaged in community service projects in the professional Spanish field in which they are concentrating. The projects will give them a chance to utilize the professional Spanish that they have acquired in the service of the institutional community and/or the community at large.

SPAN 4313 Internship in Spanish **3-12 Credits**

Prerequisite: 4200- level SPANISH COURSES or by permission of department

In this course, students will participate in supervised projects in academically-related tasks in community agencies or University-related academic service projects using the Spanish language. Projects may include working with schools or community agencies, developing group or individual projects, translating and interpreting, tutoring on campus, etc.

SPAN/FREN 4323 Study Abroad **6-12 Credits**

Prerequisite: SPAN 3000 level and/or 4200- level SPANISH COURSES or by permission of department

Students will sharpen their language and Spanish-based professional skills in such countries as Mexico and Spain, through established Study Abroad Programs. These programs will enable students to become proficient in the language, especially in the professional field of their choice. Study abroad will also give students the opportunity to immerse themselves in another culture and language.

SPAN 4333 Techniques for Professional Translation and Interpretation in Spanish **3 Credits**

Prerequisite: SPAN 3000 level and/or 4200-level SPANISH COURSES or by permission of department

In this professional Spanish course, students will learn techniques needed to translate and interpret from Spanish to English, and vice versa, on a general and/or professional/technical level. In the process, they will learn the lexical, syntactical, stylistic, cultural and practical applications in Spanish/English, English/Spanish translation, especially the one(s) suited to their profession or career of choice.

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Soil Science (SSCI)

SSCI 2804 Soil Science **4 Credits**

Students are introduced to the fundamental principles of soil science that have applications to the environment and other fields of study. Soil properties and processes are described. Students are introduced to and learn to apply their knowledge to soil properties, the comprehensive system of soil classification and the relationships between and among soil organisms, soil water and the availability of plant nutrients in mineral soils.

SSCI 3813 Soil Fertility and Fertilizers **3 Credits**

Prerequisite: CHEM 1210

Students gain a thorough knowledge of the principles underlying the maintenance of soil productivity, sources of fertilizer materials and fertilizer manufacture, fertilizer application and plant utilization. Utilization of organic waste as a fertilizer source provides opportunities for outreach and for students to communicate directly with farmers. The effects of various fertilizer nutrients on plant growth, soil reaction, soil and plant analysis and the environment are emphasized.

SSCI 4814 Soil Morphology and Classification **3 Credits**

Prerequisite: SSCI 2804

Students demonstrate a thorough understanding of the origin and classification of soils via work-field experiences. Particular attention is given to descriptions and concepts of orders, sub-orders, great groups, sub-groups, families and soil series. Reports, soil surveys analysis, soil field descriptions and soil taxa are emphasized when students demonstrate their competencies in soil classification.

SSCI 4823 Environmental Soil Chemistry **3 Credits**

Prerequisite: CHEM 1220

Students are introduced to fundamental principles and acquire basic knowledge of chemical reactions between soils and environmentally important plant nutrients, radionuclides, metals or organic chemicals. Students acquire the fundamentals needed to predict the fate of contaminants in the surface and subsurface soil environments. Chemical and instrumental techniques are employed in examining these properties.

SSCI 4832 Research Methods **2 Credits**

Prerequisite: MATH 2113

Students identify a research problem in their major field of study and investigate it under the guidance of a faculty member in the discipline. Students demonstrate the effective use of the scientific method in solving research problems. Literature review, vocabulary development and analysis of experimental designs are emphasized.

SSCI 4842 Sustainable Farming Systems **2 Credits**

Students obtain knowledge on identifying crops that constitute a vital portion of Georgia's agricultural economy. The cultural practices affecting each crop are evaluated. Students become knowledgeable of ecologically sound and economically viable farming systems utilizing existing technologies and new technologies, such as microcomputers, Global Positioning Systems (GPS) and biotechnology. Proven principles of management by objectives and diversification are learned.

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SSCI 4843 Environmental Soil Microbiology **3 Credits**

Prerequisite: *BIOL 4234 or Equivalent*

Students gain a thorough knowledge of microorganisms in terrestrial environments and biogenic processes influencing C, N, S, and P cycling. The role of microorganisms in biological nitrogen fixation, plant nutrient availability, formation of soil humus, decomposition of organic and inorganic materials and the impact of microorganisms and microbial processes on environmental quality are studied. Students apply this knowledge and the technical skills acquired in seeking solutions to soil and water quality problems.

Veterinary Science (VETY)

VETY 1801 Veterinary Technology Orientation **1 Credit**

Orientation to the veterinary technology program, its policies and requirements are provided. Students examine various aspects of veterinary medicine to include the roles of state and federal organizations. Techniques of successful study skills are learned and students explore career opportunities.

VETY 1803 Animal Nursing and Restraint **2 Credits**

Observation of animals in a professional animal ward facility and the study of various procedures used for their husbandry, handling and feeding; care of sick and young animals; collection of urine, feces and blood for diagnostic purposes. This course also includes hospital procedures and the identification of some medical instruments.

VETY 1812 Medical Terminology **1 Credit**

Students learn the commonly used medical terms in various medical disciplines with a special emphasis on veterinary medicine.

VETY 1814 Ethics and Office Procedures **1 Credit**

Students are acquainted with the principles governing the conduct of individuals in the healing professions, especially related to the veterinary technician. A comprehensive understanding of important aspects of proper office procedures is ensured such as: ethics in veterinary medicine, duties of the veterinary technician, routine office management and procedures with emphasis on the client and public relations.

VETY 1824 Animal Anatomy and Physiology **4 Credits**

Students gain a comprehensive understanding of the anatomy and physiology of all organ systems with special reference to surgical anatomy and clinically important pathological conditions. The cat is used as a dissection model.

VETY 2824 Hospital Procedures **2 Credits**

Prerequisites: *VETY 1803, VETY 1812* A variety of clinical and laboratory procedures are learned. Students demonstrate the ability to provide nursing care for large and small animals in a hospital setting.

VETY 2833 Veterinary Pharmacology and Medical Dosage **2 Credits**

Prerequisites: *MATH 1111, VETY 1824*

Students become knowledgeable of nomenclature, drug schedules and the indications and contraindications of drugs. They learn the methods of administering drugs and their elimination from the body; modes of action of drugs, fluid therapy, toxicology, dosage measurements and conversions and the regulations pertaining to controlled substances.

VETY 2844 Anesthesiology and Surgical Procedures

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Prerequisites: VETY 1824, VETY 2833 **3 Credits**

Students learn the induction and maintenance of anesthesia, preparation of the patient for surgery and surgical assisting. Students demonstrate successful skills with post-operative patient care, instrument identification, pack preparation and the sterilization of instruments.

VETY 2854 Large Animal Techniques **2 Credits**

Prerequisite: VETY 1824, VETY 2824

Students learn how to handle and restrain large animals. They provide veterinary care and conduct various clinical procedures and methodologies used with large animals.

VETY 2873 Radiology **3 Credits**

Prerequisite: VETY 1824, VETY 2824

Students learn the principles of radiology, radiological procedures and techniques, the positioning of animals, radiation safety and the processing of radiographs.

VETY 2893 Veterinary Microbiology **3 Credits**

Prerequisite: VETY 1812

Students study the culturing and identification of common animal pathogens and the diseases they cause. They learn about shipping materials, sensitivity testing and control of infectious organisms.

VETY 3903 Animal Disease and Preventive Medicine **3 Credits**

Prerequisite: VETY 1824, VETY 2893

Students study common animal diseases and their causes, natural protective mechanisms, preventive methods, vaccinations and sound management practices including herd health programs.

VETY 3912 Disease Control and Regulatory management **2 Credits)**

Prerequisites: VETY 3903, VETY 2893

Students discuss various approaches used to control livestock diseases particularly of communicable nature. Techniques used in screening animals for diseases and herd health programs are learned. Students become knowledgeable of the guidelines promulgated by local, state and federal agencies regarding disease management and eradication. They learn the public health significance of livestock diseases.

VETY 3924 Veterinary Clinical Pathology and Chemistry **3 Credits**

Prerequisite: VETY 1824

Students are introduced to the basic principles applicable in a clinical laboratory, use of laboratory equipment, procedures and techniques for diagnostic and investigative purposes.

VETY 3932 Vet Clinical Parasitology **2 Credits**

Prerequisite: VETY 1824

Students learn the biology, identification and control of internal and external parasites in domestic animals.

VETY 3934 Lab Animal Medicine **3 Credits**

Prerequisites: VETY 1824, VETY 2893, VETY 3924

Students learn special topics for on-the-job work experience assignments. Lectures and laboratory techniques including handling, restraining, veterinary care and various clinical procedures used with large animals are studied.

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VET 3936 Zoonosis: Recognition, Control and Prevention **2 Credits**

Prerequisites: VET 3934, VET 2893, *Permission of Instructor*

Students learn about zoonotic diseases that are transmitted between animals and people. Students learn about biology, epidemiology, detection, control, prevention and immunization against zoonotic diseases under various settings such as veterinary clinics, farms, zoos, laboratory animal facilities and wild animal sanctuaries.

VET 3946 Bioterrorism and Exotic Animal Diseases **2 Credits**

Prerequisites: VET 2893, VET 3903

Students learn various aspects of bioterrorism as applied to livestock. Also, students become familiar with various exotic animal diseases, rarely seen in USA, which can bring about devastation to livestock industry if introduced maliciously by terrorists.

VET 3962 Cooperative Education in Vet Science **2 Credits**

Prerequisites: *Junior or Senior Standing, Permission of Instructor*

Opportunities are provided for students to work under the supervision of veterinary scientists and specialists in industry and state and federal agencies. Students alternate between semesters of paid employment and semesters of study.

VET 4821 Seminar **1 Credit**

Prerequisites: *Junior or Senior Standing, Permission of Instructor*

Students review literature and current research reports. Oral presentations and discussions are made. Students are acquainted with the literature and are prepared to organize and deliver scholarly reports on current issues affecting veterinary medicine.

VET 4843 Artificial Insemination and Embryo Transfer **2 Credits**

Prerequisites: VET 1824, *Junior or Senior Standing, Permission of Instructor*

Students learn the principles and practices of artificial insemination and embryo transfer technology in livestock.

VET 4863 Biomedical Research Methods **2 Credits**

Prerequisite: *Permission of Instructor*

Students apply scientific methods and use experimental designs and procedures in analyzing, interpreting and reporting their research findings.

VET 4883 Special Topics **2 Credits**

Prerequisites: *Senior Standing, Permission of Instructor*

Students conduct an independent, supervised research project on some specific area of interest. Students submit their research findings in written form and present them in the form of a seminar for course evaluation.

VET 4923 Clinics - Small Animal Surgery and Medicine **3 Credits**

Prerequisites: *Senior Standing, Permission of Instructor, Exit Exam Passed*

Offered at the College of Veterinary Medicine, University of Georgia, Athens. Students complete rotations in the small animal medicine and surgery sections with emphases placed on aseptic surgical techniques, maintenance of surgical area, use of sterile instrument packs and assistance.

VET 4933 Clinics - Receiving and Central **3 Credits**

Prerequisites: *Senior Standing, Permission of Instructor, Exit Exam Passed*

Offered at the College of Veterinary Medicine, University of Georgia, Athens, students complete rotations in the small animal receiving and central supply with emphases placed on demonstrating basic techniques in animal care, medication, vaccinations, interaction with

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clients as well as cleaning, preparation and storage of surgical instruments and medical equipment.

VETY 4943 Clinics - Anesthesiology **3 Credits**

Prerequisites: Senior Standing, Permission of Instructor, Exit Exam Passed

Offered at the College of Veterinary Medicine, University of Georgia, Athens, students rotate in the small animal anesthesiology sections with emphasis on basic anesthesia techniques and preparation of animals for surgery.

VETY 4953 Clinics - Clinical Applications **3 Credits**

Prerequisites: Senior Standing, Permission of Instructor, Exit Exam Passed

Offered at the College of Veterinary Medicine, University of Georgia, Athens, students rotate through laboratory animal medicine, clinical parasitology and intensive care units.

VETY 4989 Practicum **12 Credits**

Prerequisites: Senior Standing, Permission of Instructor, Exit Exam Passed

Students receive on-the-job experiences under the supervision of a private practitioner in laboratory animal facilities or in selected state and federal veterinary programs. Students observe, assist and perform tasks as directed by the veterinary staff.

Zoology (ZOOL)

ZOOL 2201K Human Anatomy and Physiology I **4 Credits**

Prerequisite: BIOL 1104K or BIOL 1107K

Students examine and learn the basic structures and functions of human organs and systems. An introduction to basic physical and chemical principles followed by a detailed study of cell structure and function is presented. Students pursue a systematic study of certain systems.

ZOOL 2202K Human Anatomy and Physiology II **4 Credits**

Prerequisite: ZOOL 2201K

Students gain a thorough knowledge of the systems of the human body with particular emphasis on physiology and the interrelatedness of structure and function.

ZOOL 3103K Invertebrate Zoology **3 Credits**

Prerequisite: BIOL 1104K or BIOL 1108K

Students understand the anatomy, life cycles and systematic relationships of invertebrates. They compare the physiology and habits of terrestrial, aquatic and parasitic invertebrates. Students become knowledgeable of the evolution and adaptations of selected invertebrates.

ZOOL 3203K Entomology **3 Credits**

Prerequisite: BIOL 1108K or BOTN 2001K

Students study the structure, physiology, classification and identification of insects.

ZOOL 3214K Comparative Vertebrate Anatomy **4 Credits**

Prerequisite: BIOL 1108K

Students participate in an integrated study of the developmental anatomy of selected vertebrates, including humans. Students compare the organs and systems of representative vertebrates in order to acquire an understanding of living organisms in the past, present and future.

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ZOOL 3234K Embryology **4 Credits**

Prerequisite: *ZOOL 3214 K*

Students gain an introduction to general embryology. Embryological processes examined by students include gametogenesis, fertilization, cleavage, gastrulation, neurulation and organogenesis.

ZOOL 3254K Histology **4 Credits**

Prerequisite: *BIOL 1108K*

Students study organs and tissues and learn to correlate functions with the structures. A variety of computer-based activities supplement the traditional study of the microscopic specimens. Students are expected to prepare an electronic media presentation on a subject studied.

ZOOL 3303 Wildlife Conservation **3 Credits**

Prerequisite: *BIOL 2334K and MATH 1112 or MATH 1113*

Students examine the history of conservation in the United States and the cultural, economic and political climates that led to current environmental policies and legislature. They learn how management techniques are integrated into management plans that serve the policies articulated in conservation legislature.

ZOOL 3364K Mammalogy **4 Credits**

Prerequisite: *BIOL 2334K or BIOL 3214K*

Students classify and identify mammalian species, especially those of North America. Evolutionary adaptations of various mammalian taxonomic groups are compared and related to habitats and life histories of selected examples of mammalian species. Students learn to describe the distribution of mammalian species and relate these distributions to environmental constraints.

ZOOL 3384K Ichthyology **4 Credits**

Prerequisite: *BIOL 2334K*

Students understand the systematic relationships among fishes, especially freshwater species. They compare the physiology and habits of freshwater fish to those of marine fish. Students become knowledgeable of the distributions, evolution and adaptations of fishes.

ZOOL 4102 Diseases of Wildlife and Fish **2 Credits**

Prerequisite: *BIOL 1108K*

Students study viral, bacterial, non-infectious and parasitic diseases. Selected diseases will be discussed and emphasis will be placed on etiology, transmission, signs, pathogenesis, pathology, diagnosis, immunity, treatment, and control.

ZOOL 4274K Parasitology **4 Credits**

Prerequisite: *BIOL 1108K*

Students study the basic principles of parasites and study their emphasis on human parasites.

ZOOL 4294K Vertebrate Physiology **4 Credits**

Prerequisite: *ZOOL 3214K*

Students undertake an in-depth study of vertebrate systems with special emphasis on nervous responses, endocrine control, circulation, respiration, digestion, excretion and reproduction in humans.

ZOOL 4334K Ornithology **4 Credits**

Students study the classification and life histories of birds with an emphasis on North American species. The relationship between avian anatomy, physiology and the constraints of

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flight are understood. Students identify common local species by sight and vocalizations. Students investigate the relationships between avian behaviors, distributions, adaptations and the habitats in which the birds are found.

ZOOL 4343 Fisheries/Wildlife Internship

3 Credits

Prerequisite: Senior Standing (Departmental Approval)

Students participate in a summer (or equivalent) program, paid or volunteer, related to their major. Upon completion of this program the students make presentations of their experiences and/or research findings to their peers.

ZOOL 4393 Population Dynamics

3 Credits

Prerequisites: BIOL 2334K and MATH 1154 or MATH 2113

Students investigate population changes using mathematical methods. Common models incorporating and describing parameters such as fecundity, mortality and competition are investigated. Students identify the assumptions that must be met for validity that underlay these population analyses and assess the appropriateness of different models for varying experimental uses. Students then use these models in understanding and quantifying the effects of such symbiotic relationships as predation and competition on various populations.

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