**FORT VALLEY STATE UNIVERSITY**

**BIOLOGY BALANCE SHEET**

**ALLIED HEALTH**

**College of Arts and Sciences Department of Biology**

**Student Advisor**

**Social Security # Entrance Date**

**Total Number of Hours Required for Degree: 123**

1. **CORE REQUIREMENTS (60 Hours Total) Total Area Hours**

1. **Essential Skills 10 Hours**

Course Description Hours Grade Semester/Year

\*ENGL 1101 English Composition I 3

\*ENGL 1102 English Composition II 3

\*MATH 1113 Pre-Calculus 4

1. **Institutional Options 4 Hours**

\*COMM 1110 Public Speaking 3

**Elective from Core Area B (Select one)**

BUSA 1980 Professional Development **or** 1

BUSA 1990 Leadership **or** 1

EDUC 1001 Library Skills **or** 1

MATH 1201 Problem Solving 1

1. **Humanities/Fine Arts (6 Sem. Hrs.) 6 Hours**

\*ENGL 2111 World Literature I **or** 3

\*ENGL 2112 World Literature II 3

**Electives from Area C (Select 3 hours)**

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

1. **Science, Mathematics and Technology 11 Hours**

\*CHEM 1211K Principles of Chemistry I 4

\*CHEM 1212K Principles of Chemistry II 4

MATH 2113 Elementary Statistics **or** 3

CSCI 1153 Introduction to Computers 3

1. **Social Science 12 Hours**

\*HIST 1111 **or** 1112  Survey of History of Civilization I **or** II 3

\*HIST 2111 **or** 2112 Survey of U. S. History I **or** II 3

\*POLS 1101 American Government 3

Elective from Core Area E (Select 3 hrs.) 3

1. **Major Area 17 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.**

**II. MAJOR REQUIREMENTS (60 Hours Total)**

**Mandatory Courses (39 Hours)** HoursGradeSemester/Year

MATH 1154 Calculus 4

PHYS 1111K Introductory Physics I 4

PHYS 1112K Introductory Physics II 4

BIOL 3223 Cell & 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 Biology Seminar 1

**Electives - Group A (Select 3-4 Hours)**

CHEM 3250K Principles of Biochemistry **or** 4

ZOOL 3234K Embryology **or** 4

BIOL 4263 Immunology **or** 3

ZOOL 4274K Parasitology 4

**Electives - Group B (Select One Course - 3-4 Hrs.)**

BIOL 2334K Ecology **or** 4

ZOOL 3203K Entomology 4

**Electives - Group C (Select 1-3 Hrs.)**

BIOL 3222L Invest of Cell Biology **or** 2

BIOL 4222 Biology Seminar **or** 1

BIOL 4272L Biotechniques **or** 2

BIOL 4111 Special Projects in Biology 1

**Electives - GROUP D (Select 10-13 hours in Science or Mathematics with approval of advisor.)**

**INSTITUTIONAL REQUIREMENTS (3 Hrs.)**

\*PEDW 1402 Fitness & Life Assessment 1

PEDW

\*FVSU 0100 Introduction to University 1

**MAJOR AREA EXAM(S) TAKEN DATE**

**Regents' Reading**

**Regents’ Essay**

**Biology Exit Exam**

**Reviewed and Balanced by: Advisee**

**Approved:**

**Advisor Department Head**

**Approved:**

**Dean, College of Arts and Sciences Vice President for Academic Affairs**

**Remarks:**

**Recommended for Graduation on:**

**FORT VALLEY STATE UNIVERSITY**

**BIOLOGY (WILDLIFE CONSERVATION) BALANCE SHEET**

**College of Arts and Sciences Department of Biology**

**Student Advisor**

**Social Security # Entrance Date**

**Total Number of Hours Required for Degree: 123**

1. **CORE REQUIREMENTS (60 Hours Total) Total Area Hours**

1. **Essential Skills 10 Hours**

Course Description Hours Grade Semester/Year

\*ENGL 1101 English Composition I 3

\*ENGL 1102 English Composition II 3

\*MATH 1113 Precalculus 4

1. **Institutional Options 4 Hours**

\*COMM 1110 Public Speaking 3

**Elective from Core Area B (select one)**

BUSA 1980 Professional Development **or** 1

BUSA 1990 Leadership **or** 1

EDUC 1001 Library Skills **or** 1

MATH 1201 Problem Solving 1

1. **Humanities/Fine Arts (6 Sem. Hrs.) 6 Hours**

ENGL 2111 World Literature I **or** 3

ENGL 2112 World Literature II 3

**Electives from Area C (select 3 hours)**

ARTH 1000 Art Appreciation **or**  3

HUMN 2004 Introduction to Fine Arts **or** 3

MUSC 1000 Introduction to Music **or** 3

PHIL 2000 Introduction to Philosophy **or** 3

PHIL 2002 Ethics 3

1. **Science, Mathematics and Technology 11 Hours**

\*CHEM 1211K Principles of Chemistry I 4

\*CHEM 1212K Principles of Chemistry II 4

MATH 2113 Elementary Statistics 3

1. **Social Science 12 Hours**

\*HIST 1111 **or** 1112  Survey of History of Civilization I **or** II 3

\*HIST 2111 **or** 2112 Survey of U. S. History I **or** II 3

\*POLS 1101 American Government 3

Elective from Core Area E (Select 3 Hrs.) 3

1. **Major Area 17 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.**

**II. MAJOR REQUIREMENTS (Wildlife Area - 60 Hours Total)**

**Mandatory Courses (26 Hours)**

Course Description Hours Grade Semester/Year

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 4

ZOOL 4334K Ornithology 4

BIOL 4343L Senior Project 3

**Electives – Fisheries Area (Select 3 Hours)**

ZOOL 3103K Invertebrate Zoology 3

ZOOL 3203K Entomology 4

**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 Wildlife 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 the Wildlife advisor.

**General Area Electives (6 Hours)**

**INSTITUTIONAL REQUIREMENTS (3 Hrs.)**

\*PEDW 1402 Fitness & Life Assessment 1

PEDW 1

FVSU 0100 Introduction to University 1

**MAJOR AREA EXAM(S) TAKEN DATE**

**Regents' Reading**

**Regents’ Essay**

**Biology Exit Exam**

**Reviewed and Balanced by: Advisee**

**Approved:**

**Advisor Department Head**

**Approved:**

**Dean, College of Arts and Sciences Vice President for Academic Affairs**

**Remarks**

**Recommended for Graduation on:**

**FORT VALLEY STATE UNIVERSITY**

**BIOLOGY (FORENSIC SCIENCE) BALANCE SHEET**

**College of Arts and Sciences Department of Biology**

**Student Advisor**

**Social Security # Entrance Date**

**Total Number of Hours Required for Degree: 123**

1. **CORE REQUIREMENTS (60 Hours Total) Total Area Hours**

**A. Essential Skills 10 Hours**

Course Description Hours Grade Semester/Year

\*ENGL 1101 English Composition I 3

\*ENGL 1102 English Composition II 3

\*MATH 1113 Precalculus 4

**B. Institutional Options 4 Hours**

Course DescriptionHours Grade Semester/Year

\*COMM 1110 Public Speaking 3

**Elective from Core Area B (Select One)**

Course Description Hours Grade Semester/Year

BUSA 1980 Professional Development **or** 1

BUSA 1990 Leadership **or** 1

MATH 1201 Problem Solving 1

**C. Humanities/Fine Arts (Select One)**

Course Description Hours Grade Semester/Year

\*ENGL 2111 **or** 2112 World Literature I **or** II 3

**Electives from Area C (Select 3 hours)**

Course Description Hours Grade Semester/Year

ARTH 1000 Art Appreciation **or** 3

HUMN 2004 Introduction to Fine Arts **or** 3

MUSC 1000 Introduction to Music **or** 3

PHIL 2000 Introduction to Philosophy **or** 3

PHIL 2002 Ethics 3

**D. Science, Mathematics and Technology 11 Hours**

Course Description Hours Grade Semester/Year

\*CHEM 1211K Principles of Chemistry I 4

\*CHEM 1212K Principles of Chemistry II 4

\*BHSC 2300 Behavioral Statistics 3

**E. Social Science 12 Hours**

\*HIST 1111 **or** 1112 Survey of History of Civilization I **or** II 3

\*HIST 2111 **or** 2112 Survey of U. S. History I **or** II 3

\*POLS 1101 American Government 3

\*CRJU 2000 Introduction to Criminal Justice 3

1. **Major Area 17 Hours**

Course Description Hours Grade Semester/Year

\*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.**

**II. MAJOR REQUIREMENTS (60 Hours Total)**

**Science Requirements**

Course DescriptionHoursGradeSemester/Year

CHEM 3250K Principles of Biochemistry 4

CHEM 3342K Chemistry Instrumentation 4

BIOL 3223 Cell & Molecular Biology 3

ZOOL 2201K Human Anatomy & Physiology I 4

ZOOL 2202K Human Anatomy & Physiology II 4

ZOOL 3254K Animal Histology 4

BIOL 4254K Genetics 4

BIOL 4234K Microbiology 4

BIOL 4343L Senior Project 3

**Criminal Justice Requirements**

Course Description Hours Grade Semester/Year

CRJU 3016 Introduction to Forensic Science I 3

CRJU 3017 Introduction to Forensic Science II 3

CRJU 3000 Basic Law Enforcement 3

CRJU 3010 Criminal Law 3

CRJU 3100 Criminal Investigations 3

**Forensic Science Electives (Select 4 Hrs.)**

Course Description Hours Grade Semester/Year

BIOL 4263 Immunology 3

ZOOL 4274K Parasitology 4

ZOOL 3203K Entomology 4

CHEM 3341K Principles of Analytical Chemistry 4

PHYS 1111K Introductory Physics I 4

CRJU Forensic Science Seminar 1

**General Electives – With approval of departmental advisor**

Course Description Hours Grade Semester/Year

**INSTITUTIONAL REQUIREMENTS (3 Hrs.)**

Course Description Hours Grade Semester/Year

\*PEDW 1402 Fitness & Life Assessment 1

PEDW 1

\*FVSU 0100 Introduction to University (Orientation) 1

**MAJOR AREA EXAM(S) TAKEN DATE**

**Regents' Reading**

**Regents’ Essay**

**Biology Exit Exam**

**Reviewed and Balanced by:**

**Advisee**

**Approved : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Advisor Department Head**

**Approved: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Dean, College of Arts and Sciences Vice President for Academic Affairs**

**Remarks**

**Recommended for Graduation on:**

**FORT VALLEY STATE UNIVERSITY**

**BIOLOGY (FISHERIES CONCENTRATION) BALANCE SHEET**

**College of Arts and Sciences Department of Biology**

**Student Advisor**

**Social Security # Entrance Date**

**Total Number of Hours Required for Degree: 123**

1. **CORE REQUIREMENTS (60 Hours Total) Total Area Hours**

1. **Essential Skills 10 Hours**

Course Description Hours Grade Semester/Year

\*ENGL 1101 English Composition I 3

\*ENGL 1102 English Composition II 3

\*MATH 1113 Precalculus 4

1. **Institutional Options 4 Hours**

\*COMM 1110 Public Speaking 3

**Elective from Core Area B (select one)**

BUSA 1980 Professional Development **or** 1

BUSA 1990 Leadership **or** 1

EDUC 1001 Library Skills **or** 1

MATH 1201 Problem Solving 1

1. **Humanities/Fine Arts (6 Sem. Hrs.) 6 Hours**

ENGL 2111 World Literature I **or** 3

ENGL 2112 World Literature II 3

**Electives from Area C (select 3 hours)**

ARTH 1000 Art Appreciation **or**  3

HUMN 2004 Introduction to Fine Arts **or** 3

MUSC 1000 Introduction to Music **or** 3

PHIL 2000 Introduction to Philosophy **or** 3

PHIL 2002 Ethics 3

1. **Science, Mathematics and Technology 11 Hours**

\*CHEM 1211K Principles of Chemistry I 4

\*CHEM 1212K Principles of Chemistry II 4

MATH 2113 Elementary Statistics 3

1. **Social Science 12 Hours**

\*HIST 1111 **or** 1112 Survey of History of Civilization I **or** II 3

\*HIST 2111 **or** 2112 Survey of U. S. History I **or** II 3

\*POLS 1101 American Government 3

Elective from Core Area E (Select 3 Hrs.) 3

1. **Major Area 17 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.**

**II. MAJOR REQUIREMENTS (Wildlife Area - 60 Hours Total)**

**Mandatory Courses (26 Hours)**

Course Description Hours Grade Semester/Year

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

BIOL 4343L Senior Project 3

**Fisheries Area Electives (Select 3 Hours)**

ZOOL 3103K Invertebrate Zoology **or** 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 Wildlife advisor.

**Science/Math Area Electives (12 Hours)**

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**General Area Electives (6 Hours)**

**INSTITUTIONAL REQUIREMENTS (3 Hrs.)**

\*PEDW 1402 Fitness & Life Assessment 1

PEDW 1

FVSU 0100 Introduction to University 1

**MAJOR AREA EXAM(S) TAKEN DATE**

**Regents' Reading**

**Regents’ Essay**

**Biology Exit Exam**

**Reviewed and Balanced by: Advisee**

**Approved:**

**Advisor Department Head**

**Approved:**

**Dean, College of Arts and Sciences Vice President for Academic Affairs**

**Remarks**

**Recommended for Graduation on:**