



**BACHELOR OF ARTS**  
**GRADUATION REQUIREMENTS**

THE STUDENT MUST DO THE FOLLOWING TO RECEIVE A BACHELOR OF ARTS DEGREE:

1. COMPLETE A MINIMUM OF 120 CREDIT HOURS OF STUDY, AT LEAST 60 OF WHICH OR AT LEAST THE LAST 30 CREDITS BEFORE GRADUATION ARE AT SOUTHERN VIRGINIA. NO MORE THAN 9 CREDIT HOURS WILL BE GRANTED FOR INTERNSHIP COURSES.
2. COMPLETE ALL REQUIREMENTS OF THE SOUTHERN VIRGINIA CORE.
3. COMPLETE ALL REQUIREMENTS OF AT LEAST ONE MAJOR.
4. EARN A MINIMUM GRADE POINT AVERAGE OF 2.00 ON ALL COURSE WORK TAKEN AT THE UNIVERSITY.
5. COMPLY WITH ALL UNIVERSITY STANDARDS, REGULATIONS, AND PROCEDURES, FROM THE DATE OF MATRICULATION THROUGH THE DATE OF FINAL GRADUATION.

**BIOLOGY**  
**MAJOR REQUIREMENTS**  
(42 CREDIT HOURS)

THE BIOLOGY MAJOR ASSISTS STUDENTS TO ACHIEVE A BROAD-BASED EDUCATION IN THE LIFE SCIENCES, WHICH EMPHASIZE THE VARIOUS BIOLOGICAL PRINCIPLES RELATED TO STRUCTURAL, FUNCTIONAL, TAXONOMICAL AND ECOLOGICAL PHENOMENA. IT PROVIDES A RICH UNDERSTANDING OF THE NATURAL WORLD—KNOWLEDGE WORTH HAVING FOR ITS OWN SAKE AND FOR THE PERSPECTIVE IT BRINGS TO ONE'S LIFE.

**LEARNING OBJECTIVES**

THE BIOLOGY FACULTY EXPECTS BIOLOGY MAJOR STUDENTS TO:

1. LEARN MOLECULAR/CELLULAR, GENETIC, ORGANISMAL, AND ECOLOGICAL PRINCIPLES OF BIOLOGY INCLUDING HISTORICAL PERSPECTIVES AND CURRENT TRENDS. (BIOLOGICAL PRINCIPLES)
2. DEMONSTRATE CRITICAL THINKING SKILLS IN THE AREAS OF EVALUATION OF EXPERIMENTAL DESIGN AND IN THE INTERPRETATION OF EXPERIMENTAL RESULTS. (EXPERIMENTATION)
3. DEMONSTRATE LABORATORY SKILLS IN THE AREAS OF EXPERIMENTAL PROCEDURE AND USE OF EQUIPMENT. (LABORATORY SKILLS)
4. APPLY EFFECTIVE ORAL AND WRITTEN COMMUNICATION SKILLS. (COMMUNICATION)

PROGRAM COORDINATOR: JARED LEE, PH.D.

**MAJOR REQUIREMENTS (42 CREDIT HOURS)**

MAJOR CORE (34 CREDIT HOURS):

- BIO 201 GENERAL BIOLOGY I (GE) (4)
- BIO 202 GENERAL BIOLOGY II (4)
- BIO 212 GENERAL ZOOLOGY (GE) (4)
- BIO 340 GENETICS AND MOLECULAR BIOLOGY (4)
- BIO 345 CELL BIOLOGY (3)
- BIO 347 EVOLUTION (3)
- BIO 360 GENERAL ECOLOGY (3)
- BIO 498 SENIOR CAPSTONE (1)
- CHE 201 GENERAL CHEMISTRY I (GE) (4)
- CHE 202 GENERAL CHEMISTRY II (4)

MAJOR ELECTIVES: AT LEAST 8 CREDIT HOURS FROM AMONG THE FOLLOWING:

- BIO 211 BOTANY (GE) (4)
- BIO 228 HUMAN ANATOMY (GE) (4)
- BIO 310 PARASITOLOGY (4)
- BIO 312 MICROBIOLOGY (3)
- BIO 315 MEDICAL ENTOMOLOGY (3)
- BIO 328 HUMAN PHYSIOLOGY (4)
- BIO 338 ENDOCRINOLOGY (3)
- BIO 350 DEVELOPMENTAL BIOLOGY (3)
- BIO 375R TOPICS IN BIOLOGY (VAR.)
- BIO 385R DIRECTED STUDY (VAR.)
- BIO 399 INTERNSHIP/PRACTICUM (1-3)
- CHE 383 BIOCHEMISTRY (3)

ALTHOUGH NOT REQUIRED, MAT 221, PHY 201, AND PHY 202 ARE STRONGLY RECOMMENDED FOR THE BIOLOGY MAJOR.