



PROGRAM OVERVIEW

A Biology degree from MACU will not only help you better understand God's creation but also prepare you with in-demand knowledge and skills for growing careers in science, healthcare and more.

MACU's regionally accredited Bachelor's Degree in Biology is structured to give you ample opportunities to discover and learn in classrooms and labs, as well as through independent and collaborative research and faculty mentorships.

PROGRAM OUTCOMES

You have a good chance of getting a great job right after graduation with MACU's BS in Biology! That's because you'll learn concrete technical and laboratory skills that can immediately be applied in entry-level positions, such as a medical, field, or lab technician. Some graduates enter jobs as vet assistants or lab technicians.

You may also help facilitate research trials by, for example, screening participants or managing data. Other types of jobs for your BS in Biology would be in quality control, which involves performing tests and analysis, or contributing to educational programs in museums and zoos, such as the Oklahoma City Zoo and Botanical Garden.

PROGRAM COSTS

Courses in MACU's Communication, Media and Ethics program cost \$408/credit hour for lower division (University Core) classes and \$478/hour for upper division (Major) classes.



CAREER OUTLOOK

Biology graduates in the workforce have been steadily growing at a rate of over 4% per year, from 2.6 million in 2019 to 2.7 million in 2020.

In 2020, the BLS estimated that biological scientists earned an annual median salary of \$85,290.

ACCREDITATION

MACU is accredited through the Higher Learning Commission (HLC) of the North Central Association of Colleges and Schools (NCA).

Want to speak to an Enrollment Counselor about earning your degree?

Contact MACU Today!

Email: enroll@macu.edu

Phone: 888-888-2341

Website: www.macu.edu



UNIVERSITY CORE (46 hrs.)

Specific courses within the University Core are listed in the University catalog.

Bible/Theology (12 hrs.)
Communication (9 hrs.)
U.S. History and Government (6 hrs.)
Science (6 hrs. plus 1 hr. of lab)
Math (3 hrs.)
Social Sciences (3 hrs.)
Humanities (6 hrs.)

ORIENTATION REQUIREMENT (1 hr.)

UNIV 1121 First-Year Evangel

MAJOR REQUIREMENTS (55-56 hrs.)

Biology Major

BIOL 1214 Biology I

BIOL 1314 Biology II

Anatomy Options:

BIOL 3114 Human Anatomy **AND**

BIOL 3214 Human Physiology (**OR** BIOL 2314 Anatomy and Physiology I **AND** BIOL 2324 Anatomy and Physiology II)

BIOL 2114 General Zoology **OR**

BIOL 2214 General Botany

BIOL 3305 Microbiology

BIOL 3334 Cell Biology **OR** BIOL 3354 Genetics

BIOL 4501 Biology Research

CHEM 1105 General Chemistry I

CHEM 1205 General Chemistry II

CHEM 3103 Organic Chemistry I

CHEM 3102 Organic Chemistry I Lab

MATH 2114 Calculus I **OR**

MATH 4113 Mathematical Modeling

MATH 3703 Introduction to Statistics

PHYS 1134 General Physics I (with Lab) **OR** PHYS 2104 Physics I (with Lab)

MAJOR ELECTIVES (14-15 hrs.)

Choose 14-15 hours of Biology electives from this list.

BIOL 1013 Medical Terminology

BIOL 3143 Pathogenic Microbiology

BIOL 3154 Invertebrate Zoology

BIOL 3254 Comparative Vertebrate Anatomy

*BIOL 3334 Cell Biology

*BIOL 3354 Genetics

BIOL 3363 Evolution

BIOL 3404 Ecology

BIOL 4024 Limnology

BIOL 4124 Histology

BIOL 4144 Plant Taxonomy

BIOL 4213 History of Science

BIOL 4264 Mammalogy

BIOL 4314 Embryology

BIOL 4334 Environmental Microbiology

BIOL 4413 Virology

BIOL 4774 Parasitology

BIOL 4901 Special Topics in Biology

CHEM 2104 Analytical Chemistry

CHEM 3123 Principles of Biochemistry

CHEM 3203 Organic Chemistry II

CHEM 3202 Organic Chemistry II Lab

CHEM 3354 Environmental Chemistry

CHEM 3504 Physical Chemistry I

CHEM 3514 Physical Chemistry II

CHEM 4654 Inorganic Chemistry

**These courses would fulfill an elective if not needed to fulfill a Biology Major requirement.*

ELECTIVES (6 hrs.)

Thoose six (6) hours of electives. See University catalog for recommendations.

TOTAL REQUIRED HOURS: 122-125

CHRISTIAN

Not just in our name, it's who we are

AFFORDABLE

With federal financial aid and payment plans, we make it possible

PRACTICAL

Earn college credit for your work and prior learning experiences. Plus, apply what you learned in class at work the next day

CONVENIENT

Attend one class every five weeks and choose 100% online or one night on ground a week

ACCREDITED

Regional accreditation means we are transfer friendly

PERSONAL

Our staff and faculty know who you are and where you want to go