

ZOOLOGY (A.A.)

ASSOCIATE OF ART

Zoology is a branch of biology that studies animal life (e.g. physiology, classification, structure). Upon completion of the Associate of Art in Zoology degree, students will have gained an understanding of the fundamental principles of biology and of the scientific process, and will be able to demonstrate the analytical, critical thinking, and communication skills needed for continuing academic achievement and professional success. The Associate of Arts in Zoology degree is designed to give students a foundational degree to serve those students who wish to enter the workforce prepared with an associate degree. It may also be used as a basis for transfer to a four-year college or university, but students should consult with a counselor for guidance with their academic plan.

Program Student Learning Outcomes

- Students discuss the evidence of evolution and its mechanisms and how this explains the unity and the diversity of organisms on this planet.
- Students interpret a phylogenetic tree with regards to evolutionary relationships within the animal kingdom and be able compare and contrast the characteristics of major taxa.
- Students explain how animals function, from gene to organ-systems, and provide examples from major taxa.
- Students discuss the major skeletal and physiological adaptations for the transition to land.
- Students identify and explain the function of major structures in a given dissected organism.

Program Requirements

Code Number	Course Title	Units
Required Courses		
BIOL 120	Introduction To Biological Science	4.0
BIOL 200	Principles of Biology	5.0
BIOL 201	Principles of Biology	5.0
CHEM 111	General Chemistry	5.0
CHEM 112	General Chemistry	5.0
ZOOL 120	Introduction to Animal Biology	4.0
MATH 116	Calculus for Managerial, Biological and Social Sciences	4.0
or MATH 170	Analytic Geometry and Calculus I	
Total Units		32

ASSOCIATE OF ART DEGREE REQUIREMENTS

Completion of a minimum of 60 semester units to include

1. the courses listed above,
2. the general education requirements, and
3. a grade of "C" or better in all courses required by major.