



Biology

AS (60 SCH*)

*Semester Credit Hour 8/2020

First Semester - 17 SCH

ENGL 1301 - Composition I
BIOL 1406 - Biology for Science Majors I
CHEM 1411 - General Chemistry I
EDUC/PSYC 1300 - Learning Framework
MATH 1314 - College Algebra

Second Semester - 14 SCH

ENGL 1302 - Composition II
BIOL 1407 - Biology for Science Majors II
CHEM 1412 - General Chemistry II
MATH 2312 - Pre-Calculus

Third Semester - 14 SCH

HIST 1301 - United States History I
CHEM 2423 - Organic Chemistry I
GOVT 2305 - Federal Government
PHYS 1401 - College Physics I

Fourth Semester - 15 SCH

HIST 1302 - United States History II
MUSI 1306 - Music Appreciation
GOVT 2306 - Texas Government
HIST 2321 - World Civilization I
PSYC 2314 - Lifespan Growth & Development

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.

Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.

Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.

Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.

Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

Program Outcomes

- Demonstrate mastery of the processes of science, the scientific method and established scientific knowledge.
- Demonstrate knowledge of basic terminology and understanding of major biological concepts.
- Use appropriate laboratory techniques and equipment safely and proficiently.

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the Biology major, 8 advanced courses are required by TAMU-Commerce: BSC 303 (Cell Biology) plus 7 courses in evolution/ecology, physiology, and genetics.
- Required support courses include 2 in college physics, calculus 1, and MATH 453 (Essential Statistics).

High School Endorsements

STEM

Career Opportunities

Biochemist; Biophysicist; Exercise physiologist; Microbiologist/Epidemiologist; Veterinarian; Zoologist; Wildlife biologist; Nurse anesthetist; Secondary school teacher; Nurse practitioners; Dentists; Medical & Clinical laboratory technologist; Dietitian; Nutritionist; Diagnostic medical sonographer; Pre-professional studies; Public health and safety specialists; Pharmacists; Genetic counselors; Physician; Surgeon; Sales representative; Scientific products.