## Biology

### 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 - 16 SCH
- HIST 1301 - United States History I
- CHEM 2423 - Organic Chemistry I
- MUSI 1306 - Music Appreciation
- GOVT 2305 - Federal Government
- PSYC 2314 - Lifespan Growth & Development

### Fourth Semester - 13 SCH
- HIST 1302 - United States History II
- CHEM 2425 - Organic Chemistry II
- GOVT 2306 - Texas Government
- HIST 2321 - World Civilization I

### Marketable Skills
- Utilize the scientific method to solve problems.
- Collect, organize/analyze data and effectively manage time.
- Interpret results to write reports and summaries of findings.
- Use scientific reasoning to identify strengths/weaknesses and develop alternative solutions to problems.
- Use computers and software to process and present data.
- Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
- Manipulation and analysis of a variety of mathematical data.
- Work collaboratively with others and be an active listener.
- Lead when appropriate during laboratory or group projects.
- Knowledge base in molecular, cellular, evolutionary, and organismal/systems biology.
- Utilize proper laboratory equipment safely and efficiently.
- Follow laboratory protocols effectively.

### Program Outcomes
- Demonstrate an understanding of the nature of science and the scientific method as related to biology.
- Demonstrate an understanding of biological concepts related to cell, molecular, organismal, and evolutionary biology.
- Use appropriate biological 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 60-68 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, eight advanced courses are required by TAMU-Commerce: BSC 303 (Cell Biology) plus seven courses in evolution/ecology, physiology, and genetics.
- Required support courses include two in college physics, calculus 1, and MATH 453 (Essential Statistics).

### Expected Salary
**Texas wage data:** workers on average earn $52,500; 10% of workers earn $28,700 or less; 10% of workers earn $76,880 or more.
**US wage data:** workers on average earn $46,340; 10% of workers earn $30,440 or less; 10% of workers earn $74,600 or more.

### Career Opportunities
**BS Minimum:** Biochemist; Microbiologist/Epidemiologist; Wildlife Biologist; Zoologist; Molecular and Cytogenetic Technology; Biological or Pharmaceutical Sales Representative; Histotechnologist; Clinical Laboratory Scientist; Cell Biologist; Secondary School Teacher; Scientific Products Specialist; Botany/Horticulture; Public Health and Safety Specialist.  
**MS Minimum:** Virologist; Dentist; Veterinarian; Nurse Practitioner; Physician's Assistant; Genetic Counselor; Medical Doctor; Life Science Research; Pharmacist; Biological Science Professor; Nutritionist/Dietician.