

# Major Academic Plan (MAP)

## Associate in Arts and Science

### BS in Biology Pre-Medical, Pre-Dentistry Option

Department of Biology

College of Science, Technology, Engineering and Mathematics (CSTEM)

#### Why study Biology?

A BS in Biology is a gateway to many careers including professional health sciences, natural resource sciences, veterinary medicine, lab sciences, and teaching.

The program is based upon a core curriculum combined with a broad array of elective courses whose selection is tailored to career choice. In addition, the program is designed to provide students with opportunities to "do biology." At the introductory level, students enroll in Biological Investigation to learn the basics of how to design, conduct, and present research projects. During their final year, students enroll in a senior capstone course that highlights a research project. Many elective courses in biology also incorporate research projects. In addition, undergraduate students often conduct independent research projects in faculty labs. Our undergraduate students have presented their research projects at EWU's annual Research and Creative Works Symposium and at both regional and national scientific meetings.

#### Biology Options

The BS in Biology offers options:

- General Biology
- Pre-medicine and Pre-dental
- Biotechnology

#### Study Abroad Opportunities

Working with the Study Abroad Office, Biology students have studied in different countries including Australia and Costa Rica. With planning, courses taken abroad can be part of the student's curriculum.

#### CSTEM Coordinator:

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#### Sample Careers

Medical Doctor  
Fisheries Biologist  
Dentist  
Range Botanist  
Physical Therapist  
Wildlife Biologist  
Medical Lab Technician  
Biotechnologist  
Aquatics Biologist  
Veterinarian



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# AA-DTA Degree Requirements with Suggested Classes that Fulfill EWU Prerequisites/Requirements

PIERCE COLLEGE COURSES	E.W.U. COURSE EQUIVALENT
<b>COMMUNICATION SKILLS (10 credits)</b>	
ENGL& 101 English Composition I (5)	ENGL 101 College Composition: Exposition and Argument (5)
ENGL& 102 English Composition II (5)	ENGL 201 College Composition: Analysis, Research, Document (5)
<b>QUANTITATIVE SKILLS (5 credits)</b>	
MATH& 141 Pre Calculus I (5)	MATH 141 Pre Calculus I (5)
<b>HUMANITIES (15 credits)</b>	
Consult your advisor for course options.	
<b>HUMANITIES PERFORMANCE/SKILLS (5 credits Maximum)</b>	
Consult your advisor for course options.	
<b>SOCIAL SCIENCES (15 credits)</b>	
Consult your advisor for course options.	
<b>NATURAL SCIENCES (15 credits)</b>	
BIOL& 211 Majors Cellular (5)	BIOL 171 Biology I (5)
CHEM& 161 General Chemistry w/Lab I (5)	CHEM 151 General Chemistry (5)
MATH& 142 Pre Calculus II (5)	MATH 142 Pre Calculus II (5)
<b>GENERAL TRANSFERABLE ELECTIVES (15 credits)</b>	
CHEM& 162 General Chemistry w/ Lab II (5)	CHEM 152 General Chemistry (5)
CHEM& 163 General Chemistry w/ Lab III (5)	CHEM 153 General Chemistry (5)
MATH& 151 Calculus I (5)	MATH 161 Calculus I (5)
<b>GENERAL ELECTIVES (15 credits)</b>	
BIOL& 212 Majors Animal (5)	BIOL 172 Biology II (5)
BIOL& 213 Majors Plant (5)	BIOL 173 Biology III (5)

## The courses listed below transfer to satisfy EWU Graduation Requirements and can be taken before or during the major program

### Cultural Diversity (4 quarter credit minimum) •

- SOC 220 Gender Roles in Society (5)
- ANTH& 210 Indians of North America (5)
- ANTH& 106 American Mosaic (5)
- ANTH& 216 Northwest Coast Indians (5)
- ANTH 240 Women in Cross-Cultural Perspective (5)
- CMST 105 Intercultural Communication (5)
- HUM 105 Black Thought and Culture (5)
- HUM 106 Ethnic Thought and Culture (5)

### International Studies (4 quarter credit minimum)

- BUS 245 Global Business (5)
- GEOG 160 World Regional Geography – the Non-Western World (5)
- HIST 260 History of Russia and the USSR (5)
- HIST 265 History of Latin America Since 1810 (5)
- HIST 270 Introduction to the Far East (5)
- HIST 280 Introduction to Chinese Civilization (5)
- HIST 287History of Japan Since Antiquity (5)
- HUM 240 World Religions (5)
- INTS 107 Introduction to International Studies (5)
- POLS& 203 International Relations (5)
- SOC 212 Death, Dying and Bereavement (5)
- SOC& 201 Social Problems (5)

