

Major Academic Plan (MAP)

Associate in Arts and Science

BA in Physics

Department of Physics

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

Why Study Physics?

Physics is the study of the physical environment and the laws governing the behavior of particles, fields and space/time. More specifically physicists study mechanics, heat, light, electric and magnetic fields, gravitation, relativity, atomic and nuclear physics, solid state physics and many other topics.

The Bachelor of Arts degree allows the student to acquire a physics degree with strong emphasis in one or more related fields of study. This degree is ideal preparation for graduate work in such areas as geophysics, biophysics and physical chemistry. Physics graduates also commonly enter graduate schools in engineering fields

CSTEM Coordinator:

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Sample Careers

Physics Major (45 credits)

Required Courses (20 credits)

PHYS 151 General Physics I (4)

PHYS 151 General Physics I (4)

PHYS 152 General Physics II (4)

PHYS 153 General Physics III (4)

PHYS 161 Mechanics Lab (1)

PHYS 162 Heat and Optics Lab (1)

PHYS 163 Instrumentation Lab I (1)

PHYS 164 Instrumentation Lab II (1)

PHYS 221 General Physics IV (4)

Electives (12-18 credits)

See Catalog for Approved Courses



EASTERN WASHINGTON UNIVERSITY

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

PIERCE COLLEGE COURSES	E.W.U. COURSE EQUIVALENT
COMMUNICATION SKILLS (10 credits)	
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)
QUANTITATIVE SKILLS (5 credits)	
MATH& 141 Pre Calculus I (5)	MATH 141 Pre Calculus I (5)
HUMANITIES (15 credits)	
Consult your advisor for course options.	
HUMANITIES PERFORMANCE/SKILLS (5 credits Maximum)	
Consult your advisor for course options.	
SOCIAL SCIENCES (15 credits)	
Consult your advisor for course options.	
NATURAL SCIENCES (15 credits)	
MATH& 142 Pre Calculus II (5)	MATH 142 Pre Calculus II (5)
PHYS& 221 Engineering Physics I (6)	PHYS 151 General Physics I (4) and PHYS 161 Mechanics Lab (1)
GENERAL TRANSFERABLE ELECTIVES (15 credits)	
PHYS& 222 Engineering Physics II (6)	PHYS 152 General Physics II (4) and PHYS 162 Heat and Optics Lab (1)
PHYS& 222 Engineering Physics III (6)	PHYS 153 General Physics III (4) and PHYS 163 Instrumentation Lab I (1)
GENERAL ELECTIVES (15 credits)	
Consult your advisor for course options.	

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

Foreign Language

Two full years of high school-level or one full year of college-level credit is required for graduation.

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 287 History 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)

