

Major Academic Plan (MAP)

Associate in Arts and Science

BS in Computer Science

Department of Computer Science

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

Why study computing?

What aspect of modern life has not been affected by computing technologies? Personal computers, game machines, routers, laptops, tablets, smart phones, and wearable electronics have certainly changed the landscape of daily life, but older technologies that we take for granted are also now controlled by software. Automobiles, airplanes, televisions, scientific instruments, medical devices, printers, furnaces, washing machines, ovens, refrigerators, smart homes, ... the list of programmed devices goes on and on. The software applications that run all of these technologies were developed by people like you. An educational foundation in computing will open up many fields in which you can help make the world a better place using your imagination, interest and passion. It's also an excellent financial choice. Current demand for college graduates in computing is far outstripping the supply, resulting in what are consistently amongst the highest starting salaries for new college graduates.

CSTEM Coordinator:

Christy Oliveri
307 Monroe
509.359.4126
coliveri@ewu.edu

Computer Science Major

Our traditional computer science degree provides extensive preparation in both the theoretical and practical aspects of computer science. It will prepare you for a variety of careers in computing or for additional study at the graduate level. In this program you will study both general purpose programming and programming for specialized purposes and environments. In addition, you will learn about algorithms, performance analysis, networks, computer architectures, information systems and software engineering. You will also work on a realistic project in a team environment. The program includes a variety of advanced courses that allow you to tailor your degree to your specific interests.

Sample Careers

Software Engineer
Web Developer
Game Programmer
Database Developer
Systems Analyst

Other Degrees

BA in Computer Science Foundations options
Minors in Computer Science, Computer Information Systems, 3D Animation, Game Development, Computer Applications, and Web Application Development
Master of Science in Computer Science

Program Advisor



EASTERN WASHINGTON UNIVERSITY

■ start something **big**

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)	
Consult your advisor for course options.	
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)	
Consult your advisor for course options.	
GENERAL TRANSFERABLE ELECTIVES (15 credits)	
Consult your advisor for course options.	
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)

