

ECONOMICS COMPUTING OPTION, BACHELOR OF SCIENCE (BS)

Grade Requirements: in order to graduate with a BS in Economics, students must complete ECON 304 and ECON 305 with a grade \geq C and the cumulative GPA for all courses completed towards the major must be \geq 2.0.

Required Core

ECON 200	INTRODUCTION TO MICROECONOMICS	5
ECON 201	INTRODUCTION TO MACROECONOMICS	5
ECON 304	INTERMEDIATE MICROECONOMIC THEORY	5
ECON 305	INTERMEDIATE MACROECONOMIC THEORY	5
ECON 337	ECONOMETRICS	5
ECON 430	MATHEMATICAL ECONOMICS	5
ECON 438	ECONOMETRICS II	5
ECON 490	ECONOMICS SENIOR CAPSTONE	5
MATH 161	CALCULUS I	5

Math Supporting

MATH 301	DISCRETE MATHEMATICS	5
MATH 380	ELEMENTARY PROBABILITY AND STATISTICS	5
or MATH 385	PROBABILITY AND STATISTICAL INFERENCE I	

Computing Related Courses

CSCD 110	INTRODUCTION TO PROGRAMMING	5
CSCD 255	C PROGRAMMING FOR ENGINEERS	5
CSCD 327	RELATIONAL DATABASE SYSTEMS	4
MENG 201	MATLAB	4
or CSCD 409	SCIENTIFIC PROGRAMMING	

Total Credits 72-73

University Competencies and Proficiencies

English (<http://catalog.ewu.edu/undergraduate-degree/#newitemtext>)

Mathematics (<http://catalog.ewu.edu/undergraduate-degree/#mathcompproficienciestext>)

Placement and Clearance Exams (<http://catalog.ewu.edu/placement/>)

Prior Learning/Sources of Credit AP, CLEP, IB (<http://catalog.ewu.edu/prior-learning/>)

General Education Requirements (<http://catalog.ewu.edu/undergraduate-degree/#generaleducationrequirementstext>)(GER)

- Minimum Credits—180 cumulative credit hours
 - 60 upper-division credits (300 level or above)
 - 45 credits in residence (attendance) at Eastern, with at least 15 upper-division credits in major in residence at Eastern
- Minimum Cumulative GPA \geq 2.0

Breadth Area Core Requirements (BACR)

Humanities and Arts (<http://catalog.ewu.edu/undergraduate-degree/#humanitiesandfineartsgecrtext>)

Natural Sciences (<http://catalog.ewu.edu/undergraduate-degree/#naturalsciencesgecrtext>)

Social Sciences (<http://catalog.ewu.edu/undergraduate-degree/#socialsciencesgecrtext>)

University Graduation Requirements (<http://catalog.ewu.edu/undergraduate-degree/#universitygraduationrequirementstext>) (UGR)

Diversity Course List (<http://catalog.ewu.edu/undergraduate-degree/#cultureandgenderdiversityintheuslisttext>)

Foreign Language (<http://catalog.ewu.edu/undergraduate-degree/#foreignlanguageugrtext>) (for Bachelor of Arts)

Global Studies Course List (<http://catalog.ewu.edu/undergraduate-degree/#internationalstudiesrequirementtext>)

Minor or Certificate (<http://catalog.ewu.edu/undergraduate-degree/#majorminorcertificateugrtext>)

Senior Capstone Course List (<http://catalog.ewu.edu/undergraduate-degree/#capstonecourselisttext>)

All admitted students must officially Declare a Major (<https://access.ewu.edu/center-for-academic-advising-and-retention/academic-planning-tools/declare-your-major/>) by the time they reach 90 credits (junior standing).

Application for Graduation (<https://sites.ewu.edu/records-and-registration/files/2017/02/GraduationApp.pdf>) must be made at least two terms in advance of the term you expect to graduate (undergraduate and post-baccalaureate).

Use the Catalog Archives (<https://catalog.ewu.edu/archives/>) to determine two important catalog years (<http://catalog.ewu.edu/undergraduate-degree/#activecatalogruletext>). SOAR (<https://soar.ewu.edu/selfservice/general/home.html>) calculates based on these two catalog years.

1. The catalog *in effect at the student's first term* of current matriculation is used to determine **BACR** (Breadth Area Credit Requirements) **and** **UGR** (Undergraduate Graduation Requirements).
2. The catalog *in effect at the time the student declares a major or minor* is used to determine the program requirements.

Students who successfully earn a BS in Economics Computing from EWU should be able to do the following:

- use supply and demand modeling to predict and/or explain some economic event;
- use quantitative skills to analyze economic data;
- understand the use of fiscal and monetary policies in addressing contemporary macroeconomic issues;
- understand and apply the Cost/Benefit Principle to a current socio-economic issue.