

ECON MODIFIED WITH COSC WORKSHEET

Prerequisites - These may be satisfied by AP credit or equivalent.

MATH 3, ECON 1, ECON 10, COSC 1. COSC 10

Required Courses - These must be completed before the culminating experience.

ECON 20, ECON 21, ECON 22

Linear Algebra - One from COSC 70.01, MATH 22, MATH 24

Culminating Experience* - You must complete a culminating experience from the following list. Each culminating experience has two prerequisites in addition to ECON 20, 21, and 22. *Notice that sequences culminating in ECON 65 are not available.

| | | |
|-------------------------|---------|------------------------------------|
| Macroeconomics | ECON 62 | prerequisites 32, 29 |
| Development Economics | ECON 64 | prerequisites 24, (27 or 39) |
| Finance | ECON 66 | prerequisites 26, 36 |
| Labor Economics | ECON 67 | prerequisites 27, (24 or 28 or 37) |
| Public Economics | ECON 68 | prerequisites 28, 38 |
| International Economics | ECON 69 | prerequisites 29, 39 |

Additional Computer Science Courses:

One Systems Software Course: Choose from 50, 52, 61, 63

Three Theory or Applied Courses: Choose from 30, 31, 71, 72, 74, 76, 78, 84. Other courses may be possible, particularly within the 89.XX group.

System Software Courses (Choose One)

- [COSC 50 Software Design and Implementation](#)
- [COSC 52 Full-Stack Web Development](#)
- [COSC 61 Database Systems](#)
- [COSC 63 Programming Parallel Systems](#)

Theory or Applied Courses (Choose Three)

- [COSC 30 Discrete Mathematics in Computer Science](#)
- [COSC 31 Algorithms](#)
- [COSC 71 Numerical Methods in Computation](#)
- [COSC 72 Accelerated Computational Linguistics](#)
- [COSC 74 Machine Learning and Statistical Data Analysis](#)
- [COSC 76 Artificial Intelligence](#)
- [COSC 78 Deep Learning](#)
- [COSC 84 Mathematical Optimization and Modeling](#)

This form for students' planning only. To propose a major to the Economics Vice Chair, see separate proposal template.

| Course Type | Course Number | Term |
|---|--------------------|------|
| Prerequisites - These may be satisfied through AP credit. | MATH 3 | |
| | ECON 1 | |
| | ECON 10 (or equiv) | |
| | COSC 1 | |
| | COSC 10 | |
| Required ECON Courses | ECON 20 | |
| | ECON 21 | |
| | ECON 22 | |
| Linear Algebra (COSC 70.01 or MATH 22 or MATH 24) | | |
| Culminating Experience | | |
| Prerequisites for Culminating | | |
| | | |
| COSC Systems Software | | |
| COSC Theory or Applied Courses | | |
| | | |
| | | |