

**QUANTITATIVE ECONOMICS (STEM) – Advising Form**  
**Catalogs 2020-2021 and Forward**  
**Minimum 12 Total Units**

Name \_\_\_\_\_

Date \_\_\_\_\_

**Economics and Business Department Courses** - A C- or better is required in all prerequisite courses.

**Required Courses:**

- \_\_\_\_\_ ECON 110 – Principles of Economics
- \_\_\_\_\_ ECON 251 – Research Methods
- \_\_\_\_\_ ECON 252 – Intermediate Microeconomics
- \_\_\_\_\_ ECON 259 – National Income and Business Cycles
- \_\_\_\_\_ MATH 110 – Calculus I
- \_\_\_\_\_ MATH 230 – Applied Statistics
- \_\_\_\_\_ ECON 355 – Econometrics
- \_\_\_\_\_ CS 110 – Introduction to Computer Programming

**Quantitative Electives: - 4 course, of which:**

**Economics Electives – 2 courses:**

- \_\_\_\_\_ ECON 353 – Development Economics
- \_\_\_\_\_ ECON 372 – International Economics
- \_\_\_\_\_ ECON 375 – Industrial Organization
- \_\_\_\_\_ ECON 378 – Public Finance
- \_\_\_\_\_ ECON 385 – Mathematical Analysis for Economists
- \_\_\_\_\_ ECON 387 – Introduction to Game Theory
- \_\_\_\_\_ ECON 388 – Behavioral Economics

**Mathematics and Computer Science Electives – 2 courses:**

- \_\_\_\_\_ MATH 111 – Calculus II
- \_\_\_\_\_ MATH 210 – Multivariable Calculus
- \_\_\_\_\_ MATH 280 – Differential Equations
- \_\_\_\_\_ CS 210 – Intermediate Computer Science and Data Structures
- \_\_\_\_\_ CS 300.1 – Database and Machine Learning

**Capstone Experience**

Students majoring in Quantitative Economics are required to complete a quantitative capstone experience. This experience can be completed via a substantial quantitative project either in a course or an independent study. For instance, an individual project, including a presentation of results in the Econometrics course would satisfy the capstone experience requirement.