# B.S. in Economics - Mathematics Emphasis Concentration

| Code | Title | Semester Hours |
|---|---|---|
| **BS Economics - Mathematics Emphasis Concentration Degree Plan (120 hours)** | | |
| **Core Requirements (43 hours)** | | |
| First Year Seminar | | 3 |
| FYE 1301 | First Year Seminar | |
| Freshmen Composition I | | 3 |
| EN 1311 | Rhetoric and Composition | |
| or EN 1313 | Rhetoric and Composition for International Students | |
| Literature | | 3 |
| Any EN 23XX literature course | | |
| History | | 3 |
| Any 1000, 2000, or 3000-level HS course | | |
| Social Science | | 3 |
| Select one from the following: BA 1310, CPH 1301, ED 2330, HU 3300, HU 3303, PO 1311, PO 1312, PO 1314, PO 2302, PO 2312, PS 1301, PS 2310, PS 2353, PS 2355, PS 2363, PS 2337, SC 1311, SC 2321, SC 2371, 3 hrs. of Communication Studies (CM 1341, CM 2333, CM 2334) | | |
| Mathematics | | 4 |
| MT 2412 | | |
| Natural or Physical Sciences | | 3 |
| Select one: BL 1301, BL 1302, BL 3311, CH 1303, CH 1304, CH 1401, CH 1402, ES 1300, ES 1301, ES 1302, ES 1303, ES 1304, ES 1305, ES 1373, PY 1300, PY 1310, PY 1401, PY 1402 | | |
| Fine Arts | | 3 |
| Select any 3 hrs. of the following: Art (AR), Drama (DM), Music (MU) or MU 1300 | | |
| Foreign Language and International Engagement | | 6 |
| This requirement is satisfied through one of four ways: (1) One 3-hour course in any language at the 3000 level or above, with a grade of B or better; (2) Two courses (1311 and 1312) in a language not previously studied; (3) Two courses (2311 and 2312) in a language previously studied at the high school or college level; (4) Qualifying scores on an AP or CLEP exam, or both the ACTFL OPI and WPT exams | | |
| Philosophy - Self | | 3 |
| PL 1301 | Intro to Philosophy | |
| Philosophy - Ethics | | 3 |
| PL 2301 | Foundations of Ethics | |
| Theology - God | | 3 |
| TH 1301 | Introduction to Theology | |
| Intermediate Theology | | 3 |
| Any TH 33xx course | | |
| **Economics Core Courses (33 hours)** | | |
| EC 2301 | Introductory Macroeconomic Theory | 3 |
| EC 2303 | Introductory Microeconomic Theory | 3 |
| EC 3310 | International Economics | 3 |
| EC 3346 | Intermediate Macroeconomic Theory | 3 |
| EC 3347 | Intermediate Microeconomics Theory | 3 |
| EC 4335 | Econometrics | 3 |
| EC 4345 | Mathematical Economics | 3 |
| EC 4350 | Introduction to Complexity in Economics | 3 |
| EC 4386 | Senior Project in Economics | 3 |
| MT 4331 | Probability Theory | 3 |
| Advanced Economics Elective (Choose 1) | | 3 |

| | | |
|---|---|---|
| EC 3302 | World Economic Geography | |
| EC 3311 | Economic Growth & Development | |
| EC 3315 | Latin American Development | |
| EC 3325 | Economic Thought | |
| EC 3330 | Money and Banking | |
| EC 3340 | Public Sector Economics | |
| EC 3350 | Labor Economics | |
| EC 3355 | Economics of Natural Resources and Environment | |
| EC 4340 | Selected Topics in Economics | |
| **Mathematics Emphasis concentration courses (10-11 hours)** | | |
| MT 2413 | Calculus II | 4 |
| Choose two (2) of the following Mathematics elective courses: | | 6 |
| MT 2317 | Differential Equations | |
| MT 2414 | Calculus III | |
| MT 2323 | Discrete Math Structures | |
| or MT 3323 | Discrete Math Structures | |
| MT 2318 | Applied Linear Algebra | |
| or MT 3324 | Linear Algebra | |
| MT 4332 | Statistics | |
| **Electives (34 hours)** | | **34** |
| An elective can be any course taken from any discipline. Students can use these hours to pursue certificates, minors, or second majors. | | |
| **Total Semester Hours** | | **120** |

This is a recommended degree plan subject to changes. Please meet with your adviser on a regular basis.

*Click on the course number to view course title and description.*

**First Year**

| Fall | Semester Hours | Spring | Semester Hours |
|---|---|---|---|
| FYE 1301 | 3 | Literature | 3 |
| EN 1311 | 3 | PL 1301 | 3 |
| EC 2303 | 3 | Foreign Language II | 3 |
| Foreign Language I | 3 | EC 2301 | 3 |
| MT 2412 | 4 | MT 2413 | 4 |
| | **16** | | **16** |

**Second Year**

| Fall | Semester Hours | Spring | Semester Hours |
|---|---|---|---|
| TH 1301 | 3 | Fine Arts | 3 |
| MT 4331 | 3 | EC 3347 | 3 |
| History | 3 | EC 3310 | 3 |
| EC 3346 | 3 | Mathematics Concentration Elective (1 of 2) | 4 |
| General Elective | 3 | General Elective | 3 |
| | **15** | | **16** |

**Third Year**

| Fall | Semester Hours | Spring | Semester Hours |
|---|---|---|---|
| PL 2301 | 3 | Intermediate Theology | 3 |
| EC 4350 | 3 | Social Science | 3 |
| Advanced Economics Elective | 3 | EC 4345 | 3 |
| Mathematics Concentration Elective (2 of 2) | 3 | General Elective | 3 |
| General Elective | 3 | General Elective | 3 |
| | **15** | | **15** |

**Fourth Year**

| Fall | Semester Hours | Spring | Semester Hours |
|---|---|---|---|
| Natural or Physical Science | 3 | EC 4386 | 3 |
| EC 4335 | 3 | General Elective | 3 |
| General Elective | 3 | General Elective | 3 |
| General Elective | 3 | General Elective | 3 |
| General Elective | 3 | | |
| | **15** | | **12** |

**Total Semester Hours 120**