

ECONOMICS BS – STEM TRACK

Fall 2009 – Spring 2010

CONTACT INFORMATION

- Honors College Advisor: Kathleen Alligood (alligood@gmu.edu)
- Department Chair: Donald J. Boudreaux
- Department Program Coordinator: Carrie Meyer (cmeyer@gmu.edu)

Once students begin attending Mason and declare a major they should see both their Honors College and their major department advisor for advising.

REQUIRED HOURS

- Hours Required in Major: 42
- Hours Required in Honors: see honors advisor
- Total Required Hours: 120
- This major requires a total of 120 credits to graduate, 45 of which must be at the 300-level and above.

ADVISING SHEET

- Honors College Requirement
- ◆ Department Requirement
- ▲ College Requirement

1 st Year – 1 st Semester (Fall)	Credits
○ HNRS 110: Introduction to Research (Grade C or better required)	4
◆ MATH 113: Analytic Geometry and Calculus I (placement exam required)	4
◆ ECON 103 or ECON 103H: Contemporary Microeconomic Principles (“C” or better required before taking upper level ECON courses) ³	3
◆ Elective	3
Semester Total	14
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1 st Year – 2 nd Semester (Spring)	
○ HNRS 122: Reading the Arts	3
◆ ECON 104: Contemporary Macroeconomic Principles	3
◆ MATH 114 or MATH 116 (MATH 114H): Analytic Geometry and Calculus II (ECON 340 may substitute for MATH 114. MATH 114 is strongly recommended for students considering graduate school in economics and is required for most programs.) ^{2,3}	4
◆ MIS 102: Spreadsheet applications for Business	3
◆ Elective	3
Semester Total	13
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2 nd Year – 1 st Semester (Fall)	
○ HNRS 131: Contemporary Society in Multiple Perspectives	3
○ HNRS 240: Reading the Past	3
◆ ECON 306: Intermediate Microeconomics (Prerequisite HNRS 125 or MATH 113)	3
◆ Electives or Elective and STEM Science ³	6-7
Semester Total	15-16

2nd Year – 2nd Semester (Spring)	
○ HNRS 353: Technology in the Contemporary World (grade of C or better required)	3-4
◆ Elective or STEM Science	3
◆ ECON 311: Intermediate Macroeconomics (Prerequisites to ECON 345, but may be taken in 5th/6th semesters and ECON 345 may be taken in 7th/8th semesters.)	3
◆ OM 210: Statistical Analysis for Management (STAT 250 and 350 may be taken in place of OM 210.)	3
◆ Open Elective	3
Semester Total	15/16
3rd Year – 1st Semester (Fall)	
○ HNRS 227: Scientific Thought and Process I ¹ (unless a STEM science is chosen)	4
◆ ECON 345: Introduction to Econometrics (any semester after DESC 210 or STAT 250)	3
◆ ECON Electives 300+ level	6
◆ Elective 300+ level	3
Semester Total	16
3rd Year – 2nd Semester (Spring)	
○ HNRS 228: Scientific Thought and Process II (unless a STEM Science is chosen)	4
◆ Open Elective	3
◆ ECON Electives 300+ level	6
◆ Elective 300+ level	3
Semester Total	16
4th Year – 1st Semester (Fall)	
◆ ECON Electives 300+ level	6
◆ Electives 300+ level	6
◆ STAT 362: Introduction to Computer Statistical Packages or ACCT 203	3
Semester Total	15
4th Year – 2nd Semester (Spring)	
◆ ECON Electives 300+ level	6
◆ Open Electives	9
Semester Total	15
Total Hours	119 / 122

NOTES

1. ASTR 111/112, BIOL 103, CHEM 103, GEOL 101, PHYS 103 or 243/244 will substitute for HNRS 227
2. ECON 340 may substitute for MATH 114.

3. To complete the STEM Track, students must take two (2) of the following courses:
 - BIOL 213H
 - BIOL 303H
 - ECON 103H
 - CHEM 211H
 - CHEM 212H
 - CS 211H
 - MATH 116
 - MATH 215
 - PHYS 160H
 - PHYS 260H
 - PHYS 262H