

Physics BS - STEM

Fall 2009 – Spring 2010

CONTACT INFORMATION

- Honors College Advisor: Kathleen Alligood (alligood@gmu.edu)
- Department Chair: Robert Ehrlich
- Department Undergraduate Advisor: Philip Rubin (prubin@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: 45
- Hours Required in Honors: See honors advisor
- Total hrs to graduate - 120, including 45 hrs at 300+ level, 45 hrs for PHYS Major, 20 hrs of MATH.

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
○ HNRS 122: Reading the Arts	3
◆ MATH 113: Analytic Geometry and Calculus I (a designated placement exam is required) ²	4
◆ PHYS 122: Inside Relativity/ PHYS 123: Inside the Quantum World	1/1
◆ Elective	3
Semester Total	16
1 st Year – 2 nd Semester (Spring)	
◆ MATH 114: (prerequisite: C or better in MATH 113) or MATH 116: Analytic Geometry and Calculus II	4
◆ PHYS 160 or 160H/161: University Physics I ¹	3/1
◆ Elective	6
Semester Total	14
2 nd Year – 1 st Semester (Fall)	
○ HNRS 131: Contemporary Society in Multiple Perspectives	3
◆ MATH 203: Matrix Algebra	3
◆ MATH 213 or MATH 215: Analytic Geometry and Calculus III	3
◆ PHYS 260 or 260H/261: University Physics II (Corequisite: MATH 213 or 215) ¹	3/1
◆ Elective	3
Semester Total	16
2 nd Year – 2 nd Semester (Spring)	
◆ CS 112: Introduction to Computer Programming	4

◆ MATH 214: Differential Equations	3
◆ PHYS 262 or 262H:/263University Physics III (Corequisite: MATH 214) ¹	3/1
◆ Elective	3
Semester Total	14
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3 rd Year – 1 st Semester (Fall)	
○ HNRS 240: Reading the Past	3
◆ See Major Dept.	
Semester Total	15
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3 rd Year – 2 nd Semester (Spring)	
○ HNRS 353: Technology in the Contemporary US (Grade of C or better required)	3
◆ See Major Dept.	
Semester Total	15
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4 th Year – 1 st Semester (Fall)	
◆ See Major Dept.	
Semester Total	15
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4 th Year – 2 nd Semester (Spring)	
◆ See Major Dept.	
Semester Total	15
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Total Hours	120

NOTES

- To complete the STEM Track, students must take two (2) of the following courses:
 - BIOL 213H
 - BIOL 303H
 - ECON 103H
 - CHEM 211H
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 - CS 211H
 - MATH 116
 - MATH 215
 - PHYS 160H
 - PHYS 260H
 - PHYS 262H
- MATH 113 fulfills the quantitative reasoning requirement for Honors. MATH 113 requires a placement exam. See the Math department for exam days and times.