Honors Physics Requirements (78)

<u>Foundation Courses</u>
- ☐ MATH 144 - Calculus for the Mathematical and Physical Sciences I
- ☐ MATH 146 - Calculus for the Mathematical and Physical Sciences II
- ☐ PHYS 144 - Newtonian Mechanics
- ☐ PHYS 181 - Relativity, Electricity and Magnetism

3 units from:
MATH 125 - Linear Algebra I
MATH 127 - Honors Linear Algebra I   _____

<u>Senior Courses</u>
- ☐ MA PH 251 - Differential Equations for Physics (see Note 1)
- ☐ MA PH 343 - Classical Mechanics II
- ☐ MA PH 351 - Mathematical Methods for Physics I (see Note 2)
- ☐ MATH 214 - Calculus III
- ☐ PHYS 234 - Introductory Computational Physics
- ☐ PHYS 244 - Classical Mechanics I
- ☐ PHYS 271 - Introduction to Modern Physics
- ☐ PHYS 295 - Experimental Physics I
- ☐ PHYS 297 - Experimental Physics II
- ☐ PHYS 310 - Thermodynamics and Kinetic Theory
- ☐ PHYS 311 - Statistical Physics
- ☐ PHYS 362 - Optical Physics
- ☐ PHYS 372 - Quantum Mechanics A
- ☐ PHYS 381 - Electromagnetic Theory I
- ☐ PHYS 397 - Projects in Experimental Physics
- ☐ PHYS 472 - Quantum Mechanics B
- ☐ PHYS 481 - Electromagnetic Theory II
- ☐ PHYS 499 - Undergraduate Research Project

3 units from:
MATH 225 - Linear Algebra II
MATH 227 - Honors Linear Algebra II   _____

6 units at the 400-level from:
ASTRO (See Note 3)
GEOPH (See Note 3)   _____
MA PH
PHYS   _____

- ☐ COMM
- ☐ COMM
- ☐ IND
- ☐ BO__
- ☐ BO__
- ☐ BSBS
- ☐ BSFS
- ☐ BSSS
- ☐ LAB

Notes:
1. This requirement may also be fulfilled by completing both MATH 334 and MATH 337.
2. This requirement may also be fulfilled by completing both MATH 315 and MATH 311.
3. Students that take 3 units in a 400-level ASTRO or GEOPH course for this requirement will also be satisfying 3 units toward the Breadth from Within the Faculty of Science requirement.
4. Not all 200-, 300- and 400-level Physics courses are offered every year so students should plan accordingly.
5. Students interested in the Engineering Physics program should consult Engineering Physics of the Faculty of Engineering section.