Bachelor of Science in Physics (125 credits)

**Freshman**

- Fall (16)
  - CHM1213: Univ Chem 1 (Placement)
  - PHY2413: Univ Physics 1
  - CHM1221: U Chem 1 Lab
  - MCS1414: Calculus 1 (Placement)
  - PHY1213: Astronomy
  - COM1103: College Comp (Placement)
  - PHY1221: Astronomy Lab
  - LLT1213: World Masterpieces 1
  - COM1001: Pathways to Research Careers

- Spring (16)
  - PHY2423: Contemporary Physics
  - PHY2421: U Phys 1 Lab
  - MCS1424: Calculus 2
  - PHY1213: Astronomy
  - SSC2413: Found Am Exp
  - LLT1213: World Masterpieces 1

**Sophomore**

- Fall (14)
  - PHY2423: Contemporary Physics
  - PHY2431: U Phys 2 Lab
  - MCS2414: Calculus 3
  - PHY1221: Astronomy Lab
  - MCS1142: Intro to C
  - SSC2423: Dev Am Exp
  - COM2103: Tech and Prof Communication
  - SSC2413: Found Am Exp

- Spring (16)
  - PHY3653: Contemporary Physics**
  - PHY3661: Contemporary Physics Lab
  - MCS2423: Differential Eqns
  - MCS3863: Linear Algebra
  - PHY2421: U Phys 1 Lab
  - COM1103: College Comp (Placement)
  - SSC2423: Dev Am Exp

**Junior/Senior Curriculum (example)***

- Fall (17)
  - PHY3653: Contemporary Physics**
  - PHY3661: Contemporary Physics Lab
  - MCS2423: Differential Eqns
  - MCS3863: Linear Algebra
  - PHY1213: Astronomy
  - SSC2413: Found Am Exp

- Spring (17)
  - PHY3574: Electricity and Magnetism (EEE3414)
  - Special Elec 3 credits (see Fall Senior) (of 12 total)
  - PHY3414: Analytical Mechanics*
  - EEE2114: Circuits 1
  - EEE2111: Circuits 1 Lab

- Fall (14)
  - PHY3574: Electricity and Magnetism (EEE3414)
  - Special Elec 3 credits (see Fall Senior) (of 12 total)
  - PHY3414: Analytical Mechanics*
  - EEE2114: Circuits 1
  - EEE2111: Circuits 1 Lab

- Spring (15)
  - EEE4724: Quantum Mechanics*
  - Specialized Electives 6 credits
  - PHY3653: Contemporary Physics**
  - PHY4781: Optics, Lasers & Microscopy Lab*

- Spring (15)
  - PHY3653: Contemporary Physics**
  - PHY4781: Optics, Lasers & Microscopy Lab*

* Courses marked with an asterisk are offered every two years and must be taken when offered in order to graduate in a timely fashion.

** PHY3653 must be taken in the Fall term of the Junior year in order to provide the proper prerequisite for courses in the Junior spring.

*** An individual plan of work leading of the degree will be established in consultation with the student's advisor no later than the Fall of the junior year.

# Any interdepartment senior project coursework must be approved by a Natural Sciences advisor and department chair.

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- Leftmost course is prerequisite
- One course is co-requisite to the other
- (EEExxxx): Equivalent EEE course
- (Placement): Requires passing score on placement exam

Revision - Nov 2020