TYPICAL COURSE SEQUENCE FOR MAJORS IN PHYSICS AND ASTRNOMY

For those entering Oberlin with AP calculus placement:

**First Year:**
Fall:  Mechanics and Relativity (Physics 110)
      Calculus II (Math 134)
Spring: Electricity, Magnetism, Thermodynamics (Physics 111)
       Multivariate Calculus (Math 231)

**Second Year:**
Fall:  Modern Physics (Physics 212)
       Differential Equations (Math 234)
Spring: Classical Mechanics (Physics 310)

**Third/Fourth Year(s):** Schedules are more varied with students choosing amongst different core and elective offerings
Fall:  Computational Modeling (Physics 290) -alternate years
       Quantum Mechanics (Physics 312)
       Waves and Optics (Physics 316)-alternate years
       Intermediate Laboratory (Physics 314) *(required for all majors)*
       Electrodynamics (Physics 411)/ Applied Quantum Mechanics (Physics 412)
Spring: Electronics (Physics 242)-alternate years
       Astrophysics I-Stars and Planets (Astronomy 301)-alternate years
       Astrophysics II-Galaxies and Cosmology (Astronomy 302)-alternate years
       Electricity and Magnetism (Physics 311)
       Materials Physics (Physics 340)-alternate years
       Advanced Laboratory (Physics 414)
       Statistical Mechanics (Physics 410)

Students are also encouraged to take related courses in other departments such as Chemistry and Biochemistry, Computer Science, Geology, and Mathematics.
See [www.oberlin.edu/catalog](http://www.oberlin.edu/catalog) for more details.
TYPICAL COURSE SEQUENCE FOR MAJORS IN PHYSICS AND ASTRNOMY

For those entering Oberlin without AP calculus placement:

**First Year:**
Take Math placement test to determine whether Calculus I is best taken through Math 131 (Fall) and Math 132 (Spring) OR Math 133 (either semester)

**Second Year:**
Fall: Mechanics and Relativity (Physics 110) 
    Calculus II (Math 134) 
Spring: Electricity, Magnetism, Thermodynamics (Physics 111) 
    Multivariate Calculus (Math 231)

**Third Year:**
Fall: Modern Physics (Physics 212) 
    Differential Equations (Math 234) 
Spring: Classical Mechanics (Physics 310)

**Fourth Year:** Intermediate lab is required for all majors. Depending on your concentration there are typically three other courses required for the major.

Fall: Intermediate Lab (Physics 314)