

Roadmap to Physics Major :

Required and Recommended Elective Courses

Year One

Fall

Math 150 Calculus with Analytic Geometry

Spring

Math 155 Calculus with Analytic Geometry II
Physics 111 General Physics: Introductory Course in Mechanics, Heat, and Sound

Year Two

Fall

Math 250 Calculus with Analytic Geometry III

Physics 121 General Physics: Introductory Course in Electricity and Magnetism, Light, and Atomic Physics

Spring

Math 254 Ordinary Differential Equations
One of Physics 330 Atomic and Nuclear Physics, Physics 334 Intermediate Electricity and Magnetism, or Physics 335 Intermediate Mechanics, whichever one is offered
One of Physics 221 Electronics and Physics 222 Electronics Laboratory (taken simultaneously), Physics 230 Classical Physics Laboratory, or Physics 235 Modern Physics Laboratory, whichever one is offered

Year Three

Fall

Math elective at 200 or 300 level (Math 255, 260 or Math 301 are possibilities)

One of Physics 330, 334, 335

One of Physics 221 and 222, 230, 235

Spring

One of Physics 330, 334, 335

One of Physics 221 and 222, 230, 235

Math elective at 200 or 300 level (Math 255, 260 or Math 301 are possibilities)

Physics elective at the 300 level or above

Year Four

Fall

Physics 415 Electromagnetic Theory or Physics 425 Quantum Theory
Physics elective at 300 level or above
Independent study (research with faculty member)

Spring

Physics 415 or 425
Physics elective at the 300 level or above
Independent study (research with faculty member)