

Office Hours:
251 Science Building
Mon-Fri 8:00am - 4:30pm
(304) 696-6738
(304) 696-2494 (FAX)



Department of Physics
251 Science Building
Marshall University
One John Marshall Drive
Huntington, WV 25755

The Physics Minor

Awarded to students who have completed the following courses with at least a C average:

- **PHY 201 (or PHY 211) - Lecture**
 - **PHY 202 - Lab**
- **PHY 203 (or PHY 213) - Lecture**
 - **PHY 204 – Lab**
- **Plus any two additional physics at the 300 - 400 level.** The sum of these two additional physics classes must be at least 6 credits. It is highly recommended that students with the PHY 201 and PHY 203 background take either PHY 304 & 405 (Optics lecture and lab), PHY 314 & 415 (Electronics lecture and lab), and/or PHY 320 & 421 (Modern Physics lecture and lab). PHY 320 & 421 requires MTH 140 as a prerequisite; otherwise, the math prerequisites for 304, 405, 314, & 415 are satisfied by the math requirements for PHY 201 & 203. If you want to minor in physics and have had more advanced math courses such as MTH 229, 230, and/or 231, more opportunities for your 6 additional credits exist (see below list).

Course Number	Course Title	Credit Hours
PHY 211	University Physics I (CR PHY 202, MTH 229)	4
PHY 202	General Physics Lab I (CR PHY 211 or PHY 201)	1
PHY 213	University Physics II (CR PHY 204 and MTH 230, PR PHY 211 and MTH 229)	4
PHY 204	General Physics Lab II (CR PHY 213 or PHY 203)	1
PHY 300	Electricity & Magnetism I (PR PHY 213 or PHY 203 and MTH 231)	3
PHY 304	Optics (PR PHY 213 or PHY 203, CR PHY 405 or PHY 505)	3
PHY 405	Optics Advanced Lab (CR PHY 304)	2
PHY 308	Thermal Physics (PR PHY213 or PHY 203 and MTH 231)	3
PHY 320	Intro to Modern Physics (PR PHY 213 or PHY 203, CR PHY 421 and MTH 140 or 230)	3
PHY 421	Modern Physics Advanced Lab (CR PHY 320)	2
PHY 330	Mechanics (PR PHY 213 or PHY 203 and MTH 231)	3
PHY 314	Electronic Physics (PR: PHY 203 or 213 and 204)	3
PHY 340	Computational Physics (PR: PHY 203 or 213 and 204, PR MTH 229, or consent)	3
PHY 350	Biological Physics (PR: PHY 203 or 213 and 204, PR MTH 229, or consent)	4
PHY 360	Medical Physics (PR: PHY 203/213 & 204, PR MTH 229)	3
PHY 415	Electronics Lab (taken with Physics 314)	2
PHY 425	Solid State Physics (CR/PR: PHY 320 or 442 or CHM 442)	3
PHY 442	Quantum Mechanics I (PR PHY 330 and MTH 231)	3
PHY 444	Quantum and Solid State Lab (CR/PR: PHY 425, PR: PHY 442)	2
PHY 445	Mathematical Methods I (PR PHY 213 or PHY 203 and MTH 231 or consent)	3
PHY 446	Mathematical Methods II (PR PHY 445)	3