

PHYSICS BACHELOR OF SCIENCE DEGREE

The BS in Physics program provides the best preparation for students planning to move on to graduate studies in physics and for students seeking careers as professional physicists in industry or government. The curriculum provides a general background in both theoretical and experimental physics. It forms a foundation for further study at the graduate level toward an advanced degree, and also prepares the student for a career as a professional physicist in industry or government.

Step 1

Major Requirements:

| | Course | Semester | Credits | Grade | Gen Ed Outcomes |
|----------------|---------------------|----------|---------|-------|-----------------|
| 1st yr. Fall | MTH 141* | | 4 | | A1, B3 |
| | PHY 203* | | 3 | | A1 |
| | PHY 273* | | 1 | | A1 |
| 1st yr. Spring | MTH 142* | | 4 | | A1, B3 |
| | PHY 204* | | 3 | | A1 |
| | PHY 274* | | 1 | | A1 |
| 2nd yr. Fall | CSC 201* or 211 | | 4 | | B3 |
| | MTH 243* | | 3 | | A1, B3 |
| | PHY 205* | | 3 | | A1, B3 |
| | PHY 275* | | 1 | | A1, B3 |
| 2nd yr. Spring | MTH 244 | | 3 | | |
| | PHY 306 | | 3 | | |
| | PHY 410 | | 3 | | |
| 3rd yr. Fall | PHY 322 | | 3 | | |
| | PHY 381 | | 3 | | |
| | MTH 215 | | 3 | | |
| 3rd yr. Spring | MTH 3 or 4 | | 3 | | |
| | PHY 331 | | 3 | | |
| | PHY 382 | | 3 | | |
| 4th yr. Fall | PHY 401 | | 1 | | |
| | PHY 420 | | 3 | | |
| | PHY 451 | | 3 | | |
| | PHY 483 (capstone) | | 3 | | |
| 4th yr. Spring | PHY 570 | | 3 | | |
| | PHY 455 | | 3 | | |
| | PHY 484* (capstone) | | 3 | | B3, D1 |
| | MTH 4 | | 3 | | |

76 Total Credits

*Courses count for General Education Credit

Free elective credits
(to meet the 120 credits required for graduation):

| Course | Credits | Course | Credits |
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| Students are encouraged to use elective credits to develop a program of study as a minor in applied or interdisciplinary fields such as acoustics, geophysics, optics, energy, astronomy/astrophysics, atmospheric science, computational physics, mathematical physics, physics education, chemical physics, ocean physics, engineering physics, business, education, medicine and molecular biology, and language. | | | |