

PHYSICS MINOR

Curriculum

A minimum grade of C- must be earned to satisfy a course requirement and a 2.0 minimum overall GPA is required for each major or minor. Final confirmation of degree requirements is subject to department, school, and university approval.

| Code | Title | Hours |
|---|---------------------------------|-----------|
| Required Courses | | |
| <i>Physics Courses</i> | | |
| PHYS 121 | College Physics I Lec/Dis | 3 |
| PHYS 111L | College Physics Laboratory I | 1 |
| PHYS 122 | College Physics II Lec/Dis | 3 |
| PHYS 112L | College Physics Lab II | 1 |
| PHYS 235 | Modern Physics | 3 |
| PHYS 235L | Modern Physics Laboratory | 1 |
| <i>Physics Elective</i> | | |
| Select one 200/300 level Physics or equivalent course | | 3 |
| MATH 355 | Methods of Applied Mathematics | |
| PHYS 200-Level Course | | |
| PHYS 300-Level Course | | |
| <i>Math Courses</i> | | |
| MATH 161 | Calculus I | 4 |
| MATH 162 | Calculus II | 4 |
| MATH 263 | Multivariable Calculus | 4 |
| MATH 264 | Ordinary Differential Equations | 3 |
| Total Hours | | 30 |

Learning Outcomes

The minor in Physics is a perfect fit for students interested in science and with aptitude in mathematics, but who do not wish to pursue a career in physics. A minor in physics gives a strong basic background in physics and mathematics that will enhance a career in other areas such as: chemistry, biology, social sciences, computational sciences, humanities, or business.

Students take the basic lecture and laboratory physics courses with the physics majors, including a participation in the Freshman Projects; they also take the basic mathematics courses.

By completing the Minor in Physics, students will:

- Acquire foundational knowledge in the physical sciences
- Possess an understanding of the basic mathematics needed to solve problems
- Acquire basic skills for analytical thinking and problem solving
- Gain an understanding and appreciation of interdisciplinary approach involving physical sciences, mathematics and other disciplines.