

# Physics Minor

## Physics Minor Requirements

### 23 - 25.5 credits

| Code   | Title   | Hours |
|--|---|-------|
| Physics Minor Requirements                             |   |       |
| PHYS 1040<br>& PHYS 1045                               | Elementary Astronomy (PS)<br>and Elementary Astronomy Lab (LAB) <sup>1</sup>  | 4     |
| PHYS 2210<br>& PHYS 2215                               | Physics/Scientists Engineers I (PS)<br>and Physics/Scientists Engineers I Lab <sup>1</sup> , Course has a prerequisite of MATH 1210 | 5     |
| PHYS 2220<br>& PHYS 2225                               | Physics/Scientists EngineersII<br>and Physics/Scientists Engineers II Lab <sup>1</sup> , Course has a prerequisite of MATH 1220     | 5     |
| PHYS 2710  | Modern Physics I  | 3     |
| Complete 6 credits from the following list of courses: |   |       |
| PHYS 2720  | Modern Physics II   | 3     |
| PHYS 3400  | Classical Mechanics   | 3     |
| PHYS 4110  | Electromagnetics  | 3     |
| PHYS 4800R   | Independent Research  | 1-3   |
| MATH 2210<br>& PHYS 3600<br>& PHYS 3605                | Multivariable Calculus (MA)<br>and Thermodynamics<br>and Thermodynamics Lab (or MECH 3600 & MECH 3605 instead of PHYS 3600/3605)    | 8.5   |

1. COURSE FEE REQUIRED. See course fee tab for details.

## Completion Requirements

- Complete all courses that fulfill requirements in the minor with a grade C- or higher.

## Notes:

An academic minor is an attribute of a baccalaureate degree, not an entity by itself, and can only be awarded at the same time a student graduates with a bachelor's degree. Students must declare a minor prior to submitting a graduation application. A minor may not be added to a previously awarded degree. Students must complete the minor requirements prior to or concurrent with completion of their bachelor's degree requirements. Minors are not available with associate's degrees.

Students may not declare a minor that is in the same discipline as their major. Example: English majors cannot declare any English minor.

Integrated Studies majors may not have an academic minor in the same discipline as either of their two declared emphases. Example: An Integrated Studies major with emphases in English and Spanish cannot receive a minor in either English or Spanish.