# PHYSICS, BS

## Example Plan of Study

**Finish in Four Plan of Study**

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic adviser prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

| Course | Title | Hours |
|---|---|---|
| **Freshman** | | |
| **Fall** | | |
| UNIV 1111 | First Year Seminar | 1 |
| CHEM 1314 | Chemistry I (LN) | 4 |
| MATH 2144 | Calculus I (Q) | 4 |
| General Education courses | | 5 |
| | **Hours** | **14** |
| **Spring** | | |
| MATH 2153 | Calculus II (Q) | 3 |
| PHYS 2014 | University Physics I (LN) | 4 |
| General Education courses | | 9 |
| | **Hours** | **16** |
| **Sophomore** | | |
| **Fall** | | |
| MATH 2163 | Calculus III | 3 |
| PHYS 2114 | University Physics II (LN) | 4 |
| General Education courses | | 9 |
| | **Hours** | **16** |
| **Spring** | | |
| PHYS 2203 | University Physics III | 3 |
| PHYS 3513 | Mathematical Physics | 3 |
| MATH 2233 | Differential Equations | 3 |
| College and Elective courses | | 6 |
| | **Hours** | **15** |
| **Junior** | | |
| **Fall** | | |
| PHYS 3013 | Mechanics I | 3 |
| PHYS 3713 | Fundamentals of Modern Physics | 3 |
| PHYS 4113 | Electricity and Magnetism | 3 |
| MATH 3013 | Linear Algebra (Q) (Recommended) | 3 |
| Major, College, and Elective courses | | 3 |
| | **Hours** | **15** |
| **Spring** | | |
| PHYS 4513 | Introductory Quantum Mechanics | 3 |
| PHYS 4813 | Electromagnetic Radiation | 3 |
| Major, College, and Elective courses | | 9 |
| | **Hours** | **15** |
| **Senior** | | |
| **Fall** | | |
| PHYS 3323 | Modern Laboratory Methods I | 3 |
| Major, College, and Elective courses | | 12 |
| | **Hours** | **15** |
| **Spring** | | |
| PHYS 3623 | Modern Laboratory Methods II | 3 |
| PHYS 4712 | Senior Project | 2 |
| Major, College, and Elective courses | | 9 |
| | **Hours** | **14** |
| | **Total Hours** | **120** |

[1] Speak with academic advisor about saving General Education electives and Humanities (H) for Upper-division courses with International (I) and Diversity (D) dimensions.