

Physics – B.S. (PHYS)

Recommended Four-Year Plan (Fall 2014)

This recommended four year plan is provided as an **outline** for you to follow in order to plan of degree completion within four years. This plan is a **recommendation** and not intended to serve as a substitute for meeting, and checking your selections, with your academic advisor. Please note that this plan assumes that no developmental courses are required. If you are required to take developmental courses you will need to adjust the plan below, and should again consult with your academic advisor to do so.

First Year

| Fall Semester | HRS | ✓ | Spring Semester | HRS | ✓ |
|---|-----------|---|---------------------------------|-----------|---|
| PHYS 191 University Physics I (Gen Ed Nat/Physical Science Lab) | 4 | | PHYS 192 University Physics II | 4 | |
| MATH 122 Calculus I (Gen Ed Math) | 4 | | MATH 221 Calculus II | 4 | |
| MATH 102 New Stud. Exp. for Math | 1 | | ENWR 106 College Writing II | 3 | |
| ENWR 105 College Writing I | 3 | | CMST 101 Fundamentals of Speech | 3 | |
| CSIT 111 Fundamental of Programming I | 3 | | Physical Ed. Gen Ed | 1 | |
| TOTAL | 15 | | TOTAL | 15 | |

Second Year

| Fall Semester | HRS | ✓ | Spring Semester | HRS | ✓ |
|--|-----------|---|----------------------------------|-----------|---|
| CHEM 120 General Chemistry I | 4 | | CHEM 121 General Chemistry II | 4 | |
| MATH 222 Calculus III | 4 | | MATH 420 Differential Equations | 4 | |
| PHYS 210 Mathematics (Gen Ed Elective L) | 4 | | PHYS 240 Electricity & Magnetism | 4 | |
| General Ed. – Philosophy/Religion | 3 | | Free Elective | 3 | |
| TOTAL | 16 | | TOTAL | 15 | |

Third Year

| Fall Semester | HRS | ✓ | Spring Semester | HRS | ✓ |
|-------------------------------------|-----------|---|---|-----------|---|
| PHYS 350 Optics | 4 | | PHYS 460 – Modern Physics | 4 | |
| PHYS Elective (see dept list) | 3 | | General Ed. – Non-Western Cultural Perspectives | 3 | |
| Gen Ed. – American/European History | 3 | | World Languages | 3 | |
| World Languages | 3 | | World Cultures | 3 | |
| General Ed. – Social Science | 3 | | Free Elective | 3 | |
| TOTAL | 16 | | TOTAL | 16 | |

Fourth Year

| Fall Semester | HRS | ✓ | Spring Semester | HRS | ✓ |
|--------------------------------------|-----------|---|--|-----------|---|
| PHYS Elective | 4 | | PHYS Elective (see dept list) | 3-4 | |
| Free Elective | 3 | | PHYS Elective (see dept list) | 1-4 | |
| Free Elective | 3 | | General Ed. – World Lit/General Humanities | 3 | |
| General Ed. – Fine & Performing Arts | 3 | | Free Elective | 3 | |
| | | | Free Elective | 3 | |
| TOTAL | 13 | | TOTAL | 14 | |

Total Required: 120 credits