# Advising Course Plan - Physics Major - Biophysics Concentration

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|---|---|---|
| **First Year** | | |
| **Fall** | | **Units** |
| PHYS 141P | University Physics I | 1 |
| MATH 130<br>or 141Q | Calculus I with Review Part I<br>Calculus I with Analytic Geometry | 1 |
| CHEM 141P | General Chemistry I | 1 |
| FSEM 100 | First Year Seminar | 1 |
| | **Term Units** | **4** |
| **Spring** | | |
| PHYS 142P | University Physics II | 1 |
| MATH 131Q<br>or 142Q | Calculus I with Review Part 2<br>Calculus II with Analytic Geometry | 1 |
| CHEM 142P | General Chemistry II | 1 |
| Writing Enhanced course requirement | | 1 |
| | **Term Units** | **4** |
| **Summer** | | |
| If not previously completed, MATH 142Q should be taken in the summer term | | |
| | **Term Units** | **0** |
| **Second Year** | | |
| **Fall** | | |
| PHYS 243 | Modern Physics | 1 |
| PHYS 380 | Physics Colloquium | 0.0 |
| CHEM 201 | Organic Chemistry I | 1 |
| General Education requirement | | 1 |
| General Education requirement | | 1 |
| | **Term Units** | **4** |
| **Spring** | | |
| PHYS 312 | Laboratory Techniques | 1 |
| PHYS 380 | Physics Colloquium | 0.0 |
| CHEM 301 | Organic Chemistry II | 1 |
| General Education requirement | | 1 |
| General Education requirement | | 1 |
| | **Term Units** | **4** |
| **Third Year** | | |
| **Fall** | | |
| PHYS 352<br>or 356[1] | Optics<br>Electronics | 1 |
| PHYS 380 | Physics Colloquium | 0.0 |
| BIOL 141P | Introductory Biology: Biochemistry, Cell Biology and Molecular Genetics | 1 |
| CHEM 204 | Biochemistry I (for Pre-Health Program) | 1 |
| Junior Seminar | | 1 |
| | **Term Units** | **4** |
| **Spring** | | |
| PHYS 251<br>or 362[1] | Biophysics (if available (offered alternate years))<br>Thermophysics | 1 |
| PHYS 380 | Physics Colloquium | 0.0 |
| PHYS 497 | Senior Project Proposal | 0.5 |
| BIOL 142P | Introductory Biology: Animal and Plant Physiology (for Pre-Health Program) | 1 |
| CHEM 304 | Biochemistry II (for Pre-Health Program) | 1 |
| | **Term Units** | **3.5** |
| **Fourth Year** | | |
| **Fall** | | |
| PHYS 352<br>or 356[1] | Optics<br>Electronics | 1 |
| PHYS 380 | Physics Colloquium | 0.0 |
| PHYS 498 | Senior Project | 1 |
| General Education requirement or Elective | | 1 |
| General Education requirement or Elective | | 1 |
| | **Term Units** | **4** |
| **Spring** | | |
| PHYS 251<br>or 362[1] | Biophysics (if available (offered alternate years))<br>Thermophysics | 1 |
| PHYS 380 | Physics Colloquium | 0.0 |
| PHYS 499 | Senior Seminar | 0.5 |
| CSCI 261 | Data Science I | 1 |
| General Education requirement or Elective | | 1 |
| General Education requirement or Elective | | 1 |
| | **Term Units** | **4.5** |

**Total Unit: 32**

[1] If selected for major requirement, or General Education requirement, or Elective