

Physics Teaching Option

| Year | Autumn Semester | Credit hours | Comment | | Spring Semester | Credit Hours | Comment |
|------|-----------------------------------|--------------|-------------------|--|------------------------------|--------------|--------------------|
| 1 | Physics 1270 ¹ | 5 | Intro Physics I | | Physics 1271 ¹ | 5 | Intro Physics I |
| | Math 1151 | 5 | Calculus I | | Math 1152 | 5 | Calculus II |
| | ASC 1100 | 1 | Survey | | CSE 1222 ² | 3 | C++ Programming |
| | World Language 1 | 4 | | | World Language 2 | 4 | |
| | GenEd 1201 ³ | 1 | Launch Seminar | | | | |
| | Total Hours | 16 | | | Total Hours | 17 | |
| 2 | Physics 2300 | 4 | Mechanics I | | Physics 2301 | 4 | Mechanics II |
| | Physics 2095 | 1 | Seminar | | Physics 3700 | 3 | Data Analysis Lab |
| | Math 2153 | 4 | Calculus III | | Math 2415 ⁴ | 3 | Diff. Equations |
| | World Language 3 | 4 | | | Chem 1220 | 5 | Gen. Chem. II |
| | Chem 1210 | 5 | Gen. Chem. I | | Writing & Info Literacy | 3 | Gen Ed |
| | | | | | | | |
| | Total Hours | 18 | | | Total Hours | 18 | |
| 3 | Physics 5500 | 4 | Quantum Mech. | | Physics 5400 | 4 | Electromagnetism |
| | Physics Elective ⁷ | 4 | Required Elective | | Physics 4700 ⁵ | 3 | Electronics Lab |
| | Biology 1113 | 4 | Gen. Biology | | Historical & Cultural Stds | 3 | Gen Ed |
| | Literary, Visual, Performing Arts | 3 | Gen Ed | | Social & Behavioral Sciences | 3 | Gen Ed |
| | | | | | | | |
| | Total Hours | 15 | | | Total Hours | 13 | |
| 4 | Astro 2291 | 3 | Astrophysics I | | Physics 5700 | 3 | Senior Lab |
| | Geog 5900 | 3 | Climatology | | Earth Sci 1110 | 3 | Life on Earth |
| | Thematic Pathways #1 | 3 | Gen Ed | | Thematic Pathways #3 | 3 | Gen Ed |
| | Thematic Pathways #2 | 3 | Gen Ed | | Thematic Pathways #4 | 1 | Reflection Seminar |
| | Race, Ethnicity, Gender Diversity | 3 | Gen Ed | | GenEd 4001 | 3 | Gen Ed |
| | Total Hours | 15 | | | Total Hours | 13 | |

Courses in YELLOW are only offered in the term shown

¹ Students can take 1250-1251 or 1260-1261 (for students who started in Engineering Honors) in place of 1270-1271

² or CSE 1223 or CSE 1224 or Astronomy 1221

³ Students are required to complete the Launch Seminar within their first three semesters on campus

⁴ or 2174 or 2255 or 5520H. Linear Algebra (Math 2568) is recommended, but not required.

⁵ or Physics 5680 (Big Data Analytics) or Physics 6810 (Computational Physics)

⁷ Acceptable physics electives include Physics 5501, 5501H, 5401H, 3470, 5261, 5300, 5600, 5680 (if not taken as a lab), and 68xx