

Major Academic Plan

Catalog Year: 2021-22

Degree

B.S.

Major:

Physics

Major Academic Plans (MAP) show a general recommended pathway to graduation. Meet with your major advisor each semester to discuss your progress and degree plan for future semesters. Consult the HSU catalog for complete list of major program courses. See the current schedule of classes for courses offered in General Education, American Institutions, and Diversity & Common Ground requirements.

The online registration tutorial during orientation will help you:

- determine your CSU designated math "[placement category](#)" (1, 2, 3 or 4)
- choose your English class(es) through a similar self-directed process
- choose your Math class(es) based on your major and category information as described in the online registration tutorial

| Total units required | | 120 |
|---|---|------------|
| First Year Fall (Semester 1) | | |
| Requirements Met: | Course | Units |
| GE Area A: Written Communication | ENGL 102* or ENGL 104 (+ optional ENGL 110) | 3 |
| Major & GE Area B: Mathematics | MATH 109* | 4 |
| Major & GE Area B: Physical Science | CHEM 109 | 5 |
| GE Area E: Lifelong Learning | SCI 100 | 3 |
| Semester Total: | | 15 |
| <i>*If ENGL 102 is selected, students must complete ENGL 103 in semester 2. Adjust spring courses in consultation with an advisor.</i> | | |
| <i>*Prerequisite of MATH 102 or (MATH 101 & 101T) or placement into calculus. See placement categories for more information. Students not yet eligible to take MATH 109 should consult with an advisor for course sequencing information.</i> | | |
| First Year Spring (Semester 2) | | |
| Requirements Met: | Course | Units |
| GE Area F: Ethnic Studies & DCG Domestic | NAS 104 | 3 |
| Major (Core) | MATH 110 | 4 |
| Major (Core) | CHEM 110 | 5 |
| Major (Core) | PHYX 109 | 4 |
| Semester Total: | | 16 |
| Second Year Fall (Semester 3) | | |
| Requirements Met: | Course | Units |
| GE Area A: Oral Communication | COMM 100 | 3 |
| Major (Core) | MATH 210 | 4 |
| Major (Core) | PHYX 210 | 4 |
| Major (Core) | MATH 241 | 3 |
| Semester Total: | | 14 |
| Second Year Spring (Semester 4) | | |
| Requirements Met: | Course | Units |
| GE Area A: Critical Thinking | | 3 |
| Major (Core) | MATH 313 | 4 |
| Major (Core) | PHYX 211 | 4 |
| Major (Core) | PHYX 340 | 2 |
| American Institutions/GE Area D: Social Science | | 3 |
| Semester Total: | | 16 |

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| To Do: Register for the GWPE | | |
| Third Year Fall (Semester 5) | | |
| Requirements Met: | Course | Units |
| American Institutions | | 3 |
| Major (Core) | MATH 311 | 2 |
| Major (Concentration) | PHYX 315 | 3 |
| Major (Core) | PHYX 320 | 3 |
| GE Area C: Arts | | 3 |
| | | |
| | Semester Total: | 14 |
| Third Year Spring (Semester 6) | | |
| Requirements Met: | Course | Units |
| Major (Concentration) | PHYX 316/PHYX 325* | 4 |
| Major (Core) | PHYX 324 | 4 |
| GE Area B: Life Science | BIOL 102 | 3 |
| GE Area C: Humanities | | 3 |
| | | |
| | Semester Total: | 14 |
| Fourth Year Fall (Semester 7) | | |
| Requirements Met: | Course | Units |
| Major (Core) | PHYX 441 | 3 |
| Major (Core) | PHYX 450 | 4 |
| Major (Concentration) | PHYX 462 | 2 |
| Major (Core) | PHYX 484 | 0.5 |
| GE Area C: Arts or Humanites | | 3 |
| GE Area D: Social Science | | 3 |
| | | |
| | Semester Total: | 15.5 |
| Fourth Year Spring (Semester 8) | | |
| Requirements Met: | Course | Units |
| Major (Core) | PHYX 325/316* | 4 |
| Major (Core) | PHYX 442 | 3 |
| Major (Core) | PHYX 485 | 0.5 |
| UD GE Area C | | 3 |
| UD GE Area D & DCG | | 3 |
| Elective | | 2 |
| | | |
| | Semester Total: | 15.5 |
| Notes | | |
| * - only offered on even years | | |
| GE modifications in this major - the Upper Division Area B General Education requirement is met by the coursework within the Bachelor of Science degree for either option in the Physics major. | | |