

Major Academic Plan

Catalog Year: 2021-22

| | |
|---------------|------------------------------|
| Degree | B.A. |
| Major: | Mathematics (Applied) |

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 F: Ethnic Studies & DCG Domestic | NAS 104 | 3 |
| GE Area B: Mathematics | MATH 101 or (MATH 101i & MATH 1*) | 3-4 |
| Major (Core) | CS 111 | 4 |
| GE Area E: Lifelong Learning | SCI 100 (Math/CS) | 3 |
| Semester Total: | | 13-14 |
| <i>*Credit earned for math support courses do not count toward GE, major or graduation units.</i> | | |
| First Year Spring (Semester 2) | | |
| Requirements Met: | Course | Units |
| GE Area A: Written Communication | ENGL 102 or ENGL 104 (+ optional ENGL 110) | 3-4 |
| Prerequisite | MATH 101T | 3 |
| GE Area A: Critical Thinking | CS 100 | 3 |
| GE Area C: Humanities | | 3 |
| GE Area D: Social Science & DCG Domestic | | 3 |
| Semester Total: | | 15-16 |
| Second Year Fall (Semester 3) | | |
| Requirements Met: | Course | Units |
| Major (Core) | MATH 109 | 4 |
| GE Area A: Written Communication | ENGL 103* (+ optional ENGL 110) | 3-4 |
| GE Area B: Physical Science | | 3 |
| GE Area C: Arts | | 3 |
| GE Area C: Arts or Humanities | | 3 |
| Semester Total: | | 16-17 |
| <i>*If ENGL 104 was taken the previous semester take an elective, other GE or a major course in place of ENGL 103</i> | | |
| Second Year Spring (Semester 4) | | |
| Requirements Met: | Course | Units |
| Major (Core) | MATH 110 | 4 |
| GE Area A: Oral Communication | COMM 100 | 3 |
| American Institutions | | 3 |
| American Institutions/GE Area D: Social Science | | 3 |
| GE Area B: Life Science | | 3 |
| Semester Total: | | 16 |
| To Do: Register for the GWPE | | |

| Third Year Fall (Semester 5) | | |
|--|------------------------|-------|
| Requirements Met: | Course | Units |
| Major (Core) | MATH 210 | 4 |
| Major (Core) | MATH 240 | 3 |
| Major (Core) | MATH 241 | 3 |
| UD GE Area B, C or D | | 3 |
| Elective | | 1 |
| | Semester Total: | 14 |
| Third Year Fall (Semester 6) | | |
| Requirements Met: | Course | Units |
| Major (Concentration) | MATH 313 | 4 |
| Major (Concentration) | MATH 361 | 4 |
| UD GE Area B, C or D | | 3 |
| UD GE Area B, C or D | | 3 |
| Elective | | 1 |
| | Semester Total: | 15 |
| Fourth Year Fall (Semester 7) | | |
| Requirements Met: | Course | Units |
| Major (Core) | STAT 323 | 4 |
| Major (Concentration) | MATH 344 or MATH 315 | 3-4 |
| Major (Concentration) | MATH 351 | 4 |
| Major (Concentration) | Major elective | 3 |
| | Semester Total: | 14-15 |
| Fourth Year Spring (Semester 8) | | |
| Requirements Met: | Course | Units |
| Major (Core) | MATH 316 | 4 |
| Major (Concentration) | | 4 |
| Major (Concentration) | | 4 |
| Major (Concentration) | | 3 |
| | Semester Total: | 15 |