

Major Academic Plan

Catalog Year: 2021-22

Degree

B.S.

Major:

**Environmental Resources Engineering
(starting w/MATH 101) - category 1, 2, 3 or 4**

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
American Institutions/GE Area F: Ethnic Studies/DCG Domestic [2]	NAS 200	3
GE Area A: Written Communication [1]	ENGL 102 or ENGL 104 (+ optional ENGL 110)	3-4
GE Area B: Mathematics [1]	MATH 101 or (MATH 101i & MATH 1*)	3-4
Major (Core) & GE Area B: Physical Science [3]	CHEM 109**	5
Semester Total:		14-16
<i>* Credit earned for math support course does not count toward unit requirements for graduation, GE or major.</i>		
<i>** Prerequisite of math placement category 1, 2 or 3. Students in category 4 should consult with an advisor and swap CHEM 109 for a later major or GE course.</i>		
First Year Spring (Semester 2)		
Requirements Met:	Course	Units
Prerequisite	MATH 101T	3
GE Area A: Written Communication [1]	ENGL 103 (+ optional ENGL 110)*	3-4
Major (Core)	CHEM 110	5
Major (Core)	ENGR 115	3
Semester Total:		14-15
<i>*If ENGL 104 was taken last semester, take an elective, other GE or major course in place of ENGL 103.</i>		
Second Year Fall (Semester 3)		
Requirements Met:	Course	Units
GE Area C: Arts [4, 7]		3
Major (Core)	MATH 109	4
Major (Core)	ENGR 215	3
Major (Core) & GE Area B: Life Science	BIOL 105	4
Semester Total:		14
Second Year Spring (Semester 4)		
Requirements Met:	Course	Units
American Institutions/GE Area D: Social Science [2]	PSCI 110 or 159 or 410 or FOR 359	3
Major (Core)	ENGR 351	4
Major (Core)	ENGR 210	3
Major (Core)	MATH 110	4
Semester Total:		14
To Do: Register for the GWPE		
Third Year Fall (Semester 5)		
Requirements Met:	Course	Units
GE Area C: Humanities [4, 7]		3
GE Area C: Arts or Humanities [4, 7]		3
Major (Core)	MATH 210	4
Major (Core)	ENGR 211	3
Major (Core)	ENGR 225	3
Semester Total:		16

Third Year Spring (Semester 6)		
Requirements Met:	Course	Units
Major (Core)	ENGR 322	4
Major (Core)	ENGR 325	3
Major (Core)	ENGR 331	3
Major (Core)	PHYX 211	4
Semester Total:		14
Fourth Year Fall (Semester 7)		
Requirements Met:	Course	Units
Major (Core)	ENGR 313	3
Major (Core)	ENGR 326	3
Major (Core)	ENGR 330	3
Major (Core)	ENGR 333	4
Semester Total:		14
Fourth Year Spring (Semester 8)		
Requirements Met:	Course	Units
Major (Core)	ENGR 416	3
Major (Core)	ENGR 440	3
Major (Concentration) [5]	ENGR DESIGN ELECTIVE 1	3
Major (Concentration) [5]	ENGR DESIGN ELECTIVE 2	3
UD GE Area C or D [4, 7]		3
Semester Total:		15
Fifth Year Fall (Semester 9)		
Requirements Met:	Course	Units
UD GE Area C or D [4, 7]		3
Major (Core)	ENGR 410	3
Major (Concentration) [5]	ENGR DESIGN ELECTIVE 3	3
Major (Concentration) [5]	SCIENCE ELECTIVE	3
Major (Core)	ENGR 492	3
Semester Total:		15
Notes:		
[1] Requirement: Complete LD GE A1, A2, A3 & B: Math with C- or higher in each course; Complete by 60 units earned.		
[2] The ERE program has approval for courses fulfilling requirements in American Institutions (6 Units) to count as fulfilling Lower Division GE (6 Units) of either area D or F. It is recommended that ERE majors choose NAS 200 to satisfy both GE area F and the U.S. History American Institutions requirements.		
[3] Science Lab Requirement: Take one science course with a lab.		
[4] Complete 2 DCG courses, (one must be domestic) with courses that also meet GE.		
[5] Select major electives in consultation with an advisor.		
[6] GE modifications in this major: the following requirements are fulfilled by completion of all major coursework: GE Area A Oral Communication, GE Area A Critical Thinking, 3 units in GE Area D, 3 units in area E, 3 units in upper division GE area B. Refer to the catalog for more details.		
Abbreviations:		
DCG = Diversity & Common Ground; GE = General Education; LD = Lower Division; UD = Upper Division		