



College of Engineering  
UtahStateUniversity

- The following is a sample 4-year plan. Please note that student-specific plans may differ. Consult with your academic advisor for your specific plan.
- For more information on major requirements and technical elective courses, go to [catalog.usu.edu](http://catalog.usu.edu) and select "Degree Maps."
- Plan designed for students working less than 20 hours per week.

## PRE-PROFESSIONAL PROGRAM

### FRESHMAN FALL

COURSE	CR <sup>+</sup>	SEM <sup>+</sup>
<b>CEE 1880*</b> Orientation & Comp. App.	1	F
<b>CEE 2240*</b> Engineering Surveying	3	F
<b>CHEM 1210*</b> Chemistry 1	4	FSpSu
<b>CHEM 1215*</b> Chemistry 1 Lab	1	FSpSu
<b>MATH 1210*</b> Calculus 1	4	FSpSu
<b>GENERAL EDUCATION</b> Breadth Course (BAI)	3	FSpSu

TOTAL CREDITS **16**

### FRESHMAN SPRING

COURSE	CR <sup>+</sup>	SEM <sup>+</sup>
<b>CEE 2270*</b> Comp. Engineering Drafting	2	FSp
<b>MATH 1220*</b> Calculus 2	4	FSpSu
<b>PHYS 2210*</b> Physics 1	4	FSpSu
<b>PHYS 2215*</b> Physics 1 Lab	1	FSpSu
<b>GEO 1110*</b> Physical Geology	3	FSp
<b>GEO 1115*</b> Physical Geology Lab	1	FSp

TOTAL CREDITS **15**

### SOPHOMORE FALL

COURSE	CR <sup>+</sup>	SEM <sup>+</sup>
<b>CEE 1400*</b> Intro. to Comp. Programming	2	F
<b>MATH 2210*</b> Multivariable Calculus	3	FSpSu
<b>ENGR 2010*</b> Statics	3	FSpSu
<b>BIOL 1010</b> Biology and the Citizen	3	FSpSu
<b>ENGL 2010*</b> Intermediate Writing	3	FSpSu
<b>GENERAL EDUCATION</b> Breadth Course (BHU)	3	FSpSu

TOTAL CREDITS **17**

### SOPHOMORE SPRING

COURSE	CR <sup>+</sup>	SEM <sup>+</sup>
<b>ENGR 2030*</b> Dynamics	3	FSpSu
<b>ENGR 2140*</b> Mechanics of Materials	3	FSpSu
<b>ENGR 2210 or MAE 2300</b> Fund. Electronics or Thermo.	3	FSpSu
<b>MATH 2250*</b> Linear Algebra & Diff. Eq.	4	FSpSu
<b>GENERAL EDUCATION</b> Breadth Course (BSS)	3	FSpSu

TOTAL CREDITS **16**

## PROFESSIONAL PROGRAM

### JUNIOR FALL

COURSE	CR <sup>+</sup>	SEM <sup>+</sup>
<b>CEE 3160</b> Civ.IL Engr. Materials	2	F
<b>CEE 3165</b> Civ.IL Engr. Materials Lab	1	F
<b>CEE 3500</b> Fluid Mechanics	3	F
<b>CEE 2450</b> Programming/Num. Methods	3	F
<b>CEE 3610</b> Environmental Management	3	F
<b>ENGR 3080</b> Technical Communication	3	FSp
<b>GENERAL EDUCATION</b> Depth Course (DSS)	2	FSpSu

TOTAL CREDITS **17**

### JUNIOR SPRING

COURSE	CR <sup>+</sup>	SEM <sup>+</sup>
<b>CEE 3880</b> Civ. & Env. Engr. Design 1	1	Sp
<b>CIVIL FOCUS AREA</b> <i>See reverse side</i>	3	Sp
<b>CIVIL FOCUS AREA</b> <i>See reverse side</i>	3	Sp
<b>CIVIL FOCUS AREA</b> <i>See reverse side</i>	3	Sp
<b>CIVIL FOCUS AREA</b> <i>See reverse side</i>	3	Sp
<b>GENERAL EDUCATION</b> Breadth Course (BCA)	3	FSpSu

TOTAL CREDITS **16**

### SENIOR FALL

COURSE	CR <sup>+</sup>	SEM <sup>+</sup>
<b>CEE 4870</b> Civ. & Env. Engr. Design 2	2	F
<b>TECHNICAL ELECTIVE</b> <i>See approved list</i>	3	FSp
<b>TECHNICAL ELECTIVE</b> <i>See approved list</i>	3	FSp
<b>TECHNICAL ELECTIVE</b> <i>See approved list</i>	3	FSp
<b>CEE 4200</b> Engineering Economics	3	F
<b>GENERAL EDUCATION</b> Depth Course (DHA)	2	FSpSu
<b>FUND. OF ENGR. EXAM (FE)</b> Graduation Requirement		

TOTAL CREDITS **16**

### SENIOR SPRING

COURSE	CR <sup>+</sup>	SEM <sup>+</sup>
<b>CEE 4880</b> Civ. & Env. Engr. Design 3	2	Sp
<b>ENVIRONMENTAL ELECTIVE</b> <i>See reverse side</i>	3	FSp
<b>CIVIL FOCUS AREA</b> <i>See reverse side</i>	3	Sp
<b>CIVIL FOCUS AREA</b> <i>See reverse side</i>	4	Sp
<b>TECHNICAL ELECTIVE</b> <i>See approved list</i>	3	FSp

TOTAL CREDITS **15**

TOTAL CREDITS REQUIRED **128**

## UNIVERSITY REQUIREMENTS

English 1010 is a University requirement and is a prerequisite for English 2010. An English ACT score of 29+ or an SAT verbal score of 640+ will fulfill the English 1010 requirement.

### PRE-PROFESSIONAL PROGRAM (PPRU) REQUIREMENTS

- Complete courses marked with an asterisk (\*)
- No more than three total repeats for PPRU courses
- Minimum 2.5 PPRU GPA
- Minimum grade of C- for PPRU courses

### PROFESSIONAL PROGRAM (PP) REQUIREMENTS

- No more than three total repeats for Professional Program courses
- Minimum 2.0 Professional GPA
- Up to 10 "D" credits are allowed (all other grades must be a C- or better)

\*Abbreviations: (CR) Credits • (SEM) Semester • (F) Fall • (Sp) Spring • (Su) Summer

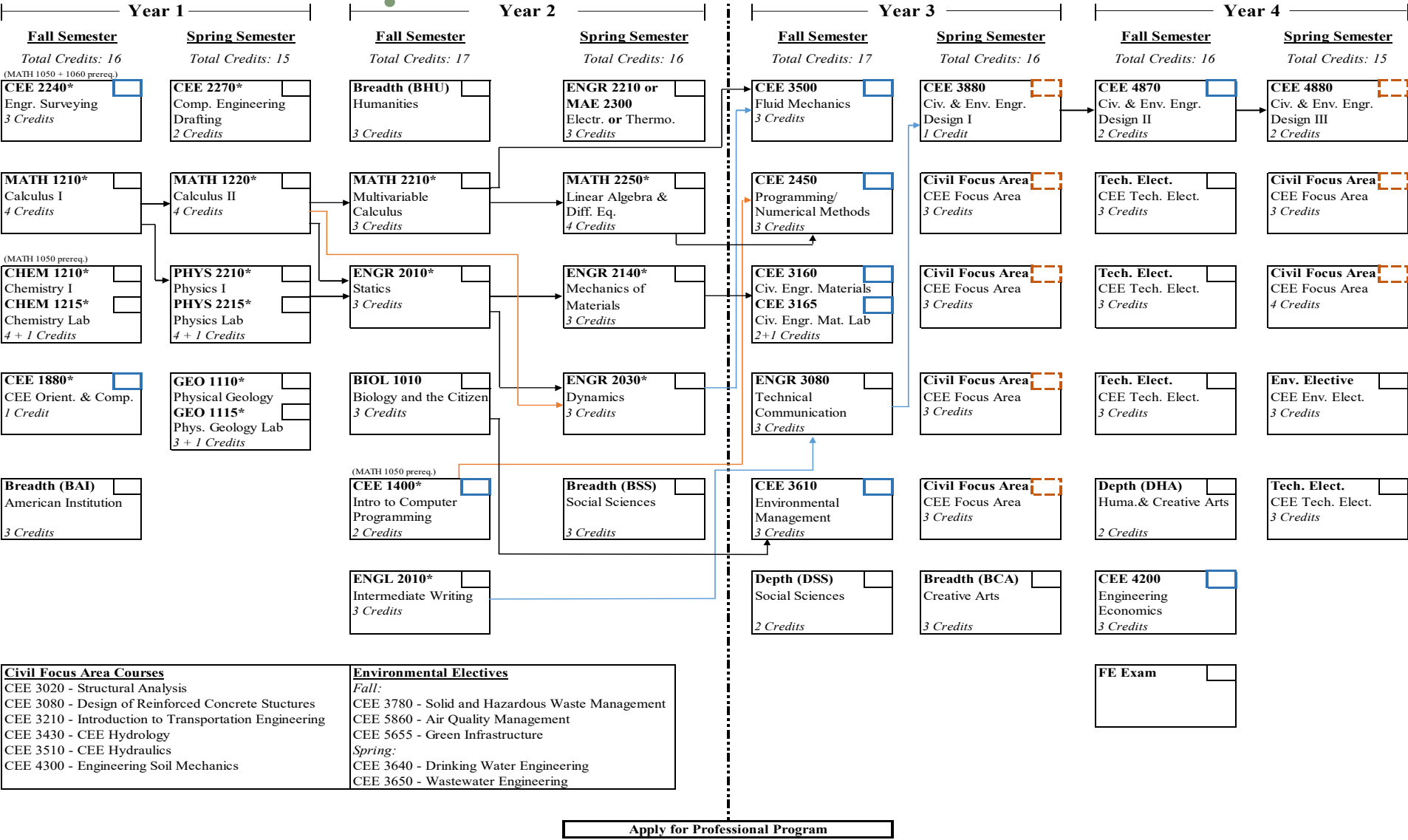


ACADEMIC YEAR  
**2023-24**



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Any discrepancy between this chart and the 2023-24 General Catalog is resolved in favor of the General Catalog.



→ Prerequisite (includes all color lines)    - - - - - Corequisite    □ Fall and Spring    □ Fall only course    □ Spring only course

\* Required for admission to Professional Program.

\* Required for admission to Professional Program.

ACADEMIC YEAR  
2023-24