

# Civil Engineering Technology – AEC Professions (CEAEC)

Completed by: Yuliya Vishnevskaya, 03/2023

## Full-Time Program Map

### Year 1

#### Quarter 1

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
SCET 1000	CIVIL ENGINEERING FUNDAMENTALS	4.5	Fall	
SCET 1130	REVIT (STRUCTURE)	4.5	Fall	
MATH 1312	INTERMEDIATE ALGEBRA Quantitative/Numeracy Gen Ed	4.5	All	MCC placement test must be completed prior to taking this course. <b>Numeracy Gen Ed Requirement</b>

**Additional Notes:** Students should discuss career goals with Advisor to determine specific General Education courses.

#### Quarter 2

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
PHYS 1010	APPLIED PHYSICS Scientific Inquiry Gen Ed.	4.5	All	Consult with Math-and-Natural-Sciences re quarters this course be offered. <b>Scientific Inquiry Gen Ed Requirement</b>
MATH 1425	PRE-CALCULUS ALGEBRA	5.0	All	
XXXX	ENGLISH LEVEL I Communication Gen Ed	4.5	All	

**Additional Notes:** Students should discuss career goals with Advisor to determine specific General Education courses.

#### Quarter 3

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
MATH 1430	TRIGONOMETRY	4.5	Winter, Spring	
SCET 1220	SITE LAYOUT	4.5	Spring, Summer, Fall	
XXXX	THINKING/AWARENESS Gen Ed	4.5	All	

**Additional Notes:** Students should discuss career goals with Advisor to determine specific General Education courses.

**Quarter 4**

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
SCET 1120	AUTOCAD ESSENTIALS	9.0	All	
MATH 2410	ANALYTICAL GEOMETRY AND CALCULUS I	7.5	All	Consult with Math-and-Natural-Sciences re quarters this course be offered

**Additional Notes:**

**Year 2****Quarter 5**

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
SCET 1090	ARC GIS FUNDAMENTALS	4.5	Fall	
SCET 2300	STRUCTURE I – ENGINEERING STATICS	4.5	Fall	MATH 1425 or instructor approval must be completed prior to taking this course.

**Additional Notes:** Apply for Career Certificate: [Civil Site Design \(CEDCC\)](#).

**Quarter 6**

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
SCET 1150	AUTOCAD CIVIL 3D FUNDAMENTALS	9.0	Winter	
SCET 2310	STRUCTURE II – STRENGTH OF MATERIALS	4.5	Winter	<u>SCET 2300</u> or instructor approval must be completed prior to taking this course.

**Additional Notes:** Apply for Career Certificate: [Computer-Aided Design \(CECC\)](#).

**Quarter 7**

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
SCET 2010	FLUID MECHANICS	4.5	Spring	<u>MATH 1240</u> and <u>PHYS 1010</u> ; or instructor approval must be completed prior to taking this course.
XXXX	PROFESSIONAL/LIFE SKILLS Gen Ed	4.5	All	

**Additional Notes:** Students should discuss career goals with Advisor to determine specific General Education courses.

## Quarter 8

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
SCET 2410	CIVIL SITE DESIGN	4.5	Fall, Summer	

**Additional Notes:**

## Part-Time Program Map

### Year 1

#### Quarter 1

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
SCET 1000	CE FUNDAMENTALS	4.5	Fall	
MATH 1312	COLLEGE ALGEBRA	4.5	All	

**Additional Notes:** Students should discuss career goals with Advisor to determine specific General Education courses.

#### Quarter 2

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
Math 1425	PRE-CALCULUS ALGEBRA	5.0	All	
ENGL XXXX	ENGLISH LEVEL I	4.5	All	

**Additional Notes:** Students should discuss career goals with Advisor to determine specific General Education courses to take in this quarter.

#### Quarter 3

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
MATH 1430	TRIGONOMETRY	4.5	Winter, Spring	

**Additional Notes:** Students should discuss career goals with Advisor to determine specific General Education courses to take in this quarter.

#### Quarter 4

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
PHYS 1010	APPLIED PHYSICS Scientific Inquiry Gen Ed.	4.5	All	Consult with Math-and-Natural-Sciences re quarters this course be offered

**Additional Notes:**

### Year 2

#### Quarter 5

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
SCET 1120	AUTOCAD ESSENTIALS	9.0	All	

**Additional Notes:** Students should discuss career goals with Advisor to determine specific General Education courses.

## Quarter 6

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
SCET 1150	AUTOACD CIVIL 3D FUNDAMENATLS	9.0	Winter	

**Additional Notes:** Students should discuss career goals with Advisor to determine specific General Education courses.

## Quarter 7

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
SCET 1220	SITE LAYOUT	4.5	Spring, Summer, Fall	

**Additional Notes:** Students should discuss career goals with Advisor to determine specific General Education courses to take in this quarter.

## Quarter 8

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
MATH 2410	ANALYTICAL GEOMETRY AND CALCULUS I	7.5	All	Consult with Math-and-Natural-Sciences re quarters this course be offered

**Additional Notes:** Students should discuss career goals with Advisor to determine specific General Education courses to take in this quarter.

## Year 3

### Quarter 9

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
SCET 2300	STRUCTURE I – ENGINEERING STATICS	4.5	Fall	
SCET 2410	CIVIL SITE DESIGN	4.5	Fall	

**Additional Notes:** Apply for Career Certificate: [Civil Site Design \(CEDCC\)](#).

And apply for Career Certificate: [Computer-Aided Design \(CECC\)](#).

### Quarter 10

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
SCET 2300	STRUCTURE I – ENGINEERING STATICS	4.5	Fall	MATH 1425 or instructor approval must be completed prior to taking this course.

**Additional Notes:** Students should discuss career goals with Advisor to determine specific General Education courses to take in this quarter.

## Quarter 11

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
XXXX	PROFESSIONAL/LIFE SKILLS	4.5	All	

**Additional Notes:** Students should discuss career goals with Advisor to determine specific General Education courses to take in this quarter.

## Quarter 12

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
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**Additional Notes:** Students should discuss career goals with Advisor to determine specific General Education courses to take in this quarter - INFO 1001 Information System and Literacy recommended.

## Year 4

### Quarter 13

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
SCET 1090	ARCGIS	4.5	Fall	
SCET 1130	REVIT (STRUCTURE)	4.5	Fall	

**Additional Notes:**

### Quarter 14

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
XXXX	THINKING/AWARENESS	4.5	All	

**Additional Notes:** Students should discuss career goals with Advisor to determine specific General Education courses to take in this quarter - SPCH 1220 Communication in Small Group recommended.

### Quarter 15

Course Prefix/Number	Course Title	Credit Hours	Guaranteed Quarters This Course Will Be Offered	Advising Notes (Specific to this course)
SCET 2010	FLUID MECHANICS	4.5	Spring	

**Additional Notes:**