



Undergraduate Degree Map for Completion in Four Years

College:	College of Science, Engineering & Technology <input type="button" value="v"/>
Department:	Mechanical & Civil Engineering <input type="button" value="v"/>
Name of Program:	CIVIL ENGINEERING <input type="button" value="v"/>
Degree Designation:	BSCE <input type="button" value="v"/>
Emphasis/Concentration:	<input type="text"/> <input type="button" value="v"/>
Option:	<input type="text"/>
Version:	1 <input type="button" value="v"/>
Version Explanation:	<input type="text"/>
Type of Program:	Standard Major <input type="button" value="v"/>
Minor Required:	No <input type="button" value="v"/>
Specific Minor (if required):	Based on changes that were approved by UCAP for the 2015-2016 Undergraduate Bulletin

Program Description:	<input type="text" value="Civil Engineering"/>
Admission Requirements:	<p>To be considered for full admission to the Civil Engineering program at the junior year, students must complete the following steps:</p> <p>Be admitted to the College of Science, Engineering, and Technology. Achieve a minimum GPA of 2.50 in all math, science, engineering and other courses listed below. Submit an application for admission to the Civil Engineering program, including a program plan of study (usually completed during the sophomore year).</p> <p>Complete a minimum of 48 credits, including the following courses with grades of "C" (2.00) or better:</p> <ul style="list-style-type: none"> General Physics I (calculus-based, with lab), 4 credits General Physics II or III (calculus-based, with lab), 4 credits Calculus I, II and III, and Differential Equations, 16 credits General Chemistry, 5 credits English Composition, 4 credits. Introduction to Civil Engineering, 2 credits Computer Graphics Communication, 2 credits Introduction to Problem Solving and Civil Engineering Design, 2 credits Engineering mechanics (Statics, Dynamics, and Mechanics of Materials), 9 credits
Advising:	<p>You are expected to meet with your advisor on a regular basis to ensure courses are taken in an order that will lead to successful completion of the degree.</p> <p>Students must meet with their advisor each semester prior to registration to receive their registration access code and to ensure that they are making appropriate progress toward their degree.</p>
	A complete listing of program faculty, policies, and course descriptions is available in the undergraduate bulletin.

TERM 1 - FALL

Designator:	Course:	Course Name:	Credits:	Milestones:
				Overall GPA \geq 2.0 Course Completion Rate \geq 67% Completion of \geq 15 credit hours
ENG	101	English Composition	4	
MATH	121	Calculus I	4	
CHEM	201	General Chemistry I	5	
CIVE	101	Introduction to Engineering - Civil	2	

Term 1 Notes:

TERM 2 - SPRING

Designator:	Course:	Course Name:	Credits:	Milestones:
				Overall GPA \geq 2.0 Course Completion Rate \geq 67% Completion of \geq 30 credit hours Advance to Sophomore status
		Humanities / Social Sciences Elective	3	
MATH	122	Calculus II	4	
PHYS	221	General Physics I	4	
CIVE	201	Introduction to Problem Solving and Civil Engineering Design	2	
CIVE	145	CAD for Civil Engineering	2	

Term 2 Notes:

TERM 3 - FALL

Designator:	Course:	Course Name:	Credits:	Milestones:
				Overall GPA \geq 2.0 Course Completion Rate \geq 67%
ECON	201	Macroeconomics	3	
MATH	321	Differential Equations	4	
PHYS	222	General Physics II	3	
PHYS	232	General Physics II Lab	1	
ME	212	Statics	3	

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA \geq 2.0 Course Completion Rate \geq 67%
CIVE	271	Civil Engineering Measurements	2	

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Term 3 Notes:

May take ECON 202 - Microeconomics instead of ECON 201
May take PHYS 223 + 233 - General Physics III and Lab instead of PHYS 222 + 232.

TERM 4 - SPRING

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA \geq 2.0 Course Completion Rate \geq 67% Completion of \geq 60 credit hours Advance to Junior status
		Humanities / Social Sciences Elective	3	
MATH	223	Calculus III	4	
ME	299	Thermal Analysis	2	
ME	214	Dynamics	3	
ME	223	Mechanics of Materials	3	

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Term 4 Notes:

May take ME 241 - Thermodynamics instead of ME 299.

TERM 5 - FALL

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA \geq 2.0 Course Completion Rate \geq 67% Apply for Graduation
ENGL	271	Technical Writing	4	
ME	291	Engineering Analysis	3	
CIVE	321	Fluid Mechanics	3	
CIVE	370W	Transportation Engineering	4	
CIVE	340	Structural Analysis	3	

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Term 5 Notes:

TERM 6 - SPRING

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA \geq 2.0 Course Completion Rate \geq 67% Completion of \geq 90 credit hours Advance to Senior status

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA \geq 2.0 Course Completion Rate \geq 67% Completion of \geq 90 credit hours Advance to Senior status
CIVE	235	Properties of Civil Engineering Materials	3	
CIVE		CIVE Required Elective or Technical Elective	3	
CIVE	350	Hydraulics and Hydrology	4	
CIVE	360	Geotechnical Engineering	4	
CIVE	446	Reinforced Concrete Design	3	

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Term 6 Notes:

May take CIVE 448 - Steel Design instead of CIVE 446. If both are taken, the second counts as a CIVE Required Elective.

TERM 7 - FALL

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA \geq 2.0 Course Completion Rate \geq 67%
		Humanities / Social Sciences Elective	3	
		Science Elective	4	
CIVE	380	Environmental Engineering	3	
CIVE	401	Civil Engineering Design I	2	
CIVE	435	Civil Engineering Experimentation	2	
CIVE		CIVE Required Elective	3	

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Term 7 Notes:

TERM 8 - SPRING

<i>Designator:</i>	<i>Course:</i>	<i>Course Name:</i>	<i>Credits:</i>	<i>Milestones:</i>
				Overall GPA \geq 2.0 Course Completion Rate \geq 67%
		Humanities / Social Sciences Elective	3	
		Technical Elective	2	
CIVE		CIVE Required Elective	3	
CIVE	402	Civil Engineering Design II	3	
CIVE	436	Civil Engineering Experimentation II	2	
CIVE		CIVE Required Elective	3	

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Term 8 Notes:

PROGRAM NOTES

A 2.30 GPA for upper division engineering courses is required for graduation.
 Students must select Humanities/Social Science, Science, and Technical elective courses from approved lists maintained by the department.
 Students should consult with their academic advisor during the selection of CIVE Required Electives.

DEGREE MAP CHECKLIST: GRADUATION REQUIREMENTS

<input type="checkbox"/>	1. Minimum of 15 credits per semester
<input type="checkbox"/>	2. General Education = 44 credits
<input type="checkbox"/>	3. Diverse Cultures = 2 course (6 credits minimum) from two disciplines
<input type="checkbox"/>	4. Writing Intensive = 2 courses (6 credits minimum)
<input type="checkbox"/>	5. Major = <input style="width: 30px;" type="text"/> credits
<input type="checkbox"/>	6. Upper-Division Requirements = 40 credits minimum
<input type="checkbox"/>	7. Professional Education (if required) = 30 credits
<input type="checkbox"/>	8. Language Requirements (if BA) = 8 credits minimum
<input type="checkbox"/>	9. Minor = <input style="width: 30px;" type="text"/> credits
<input type="checkbox"/>	10. Total credits required for degree <input style="width: 30px; text-align: center;" type="text" value="128"/>

DEGREE MAP COMPLETE

<input checked="" type="checkbox"/>	Map is complete and ready for review <ol style="list-style-type: none"> 1. Faculty please send an email to your Department Chair when map is ready to review. 2. Department Chair please send an email to your Dean when map is ready to review. 3. Dean please send an email to the Assistant Vice President for Undergraduate Studies when map is ready to review.
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DEAN APPROVAL

<input checked="" type="checkbox"/>	Map reviewed and approved by Dean
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Save and Close