

First Year					Second Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
TMATH 115	Pre-Calculus I	Fall	5		<b>TMATH 125</b>	<b>Calculus II</b>	<b>Fall</b>	<b>5</b>	
TCORE 102	Introduction to Engineering	Fall	5		<b>T PHYS 121</b>	<b>Physics I (Mechanics)</b>	<b>Fall</b>	<b>6</b>	
TCORE 101	English Comp I (W)	Fall	5			Minor/ Elective Course	Spring	5	
TMATH 116	Pre-Calculus II	Winter	5		<b>TMATH 126</b>	<b>Calculus III</b>	<b>Winter</b>	<b>5</b>	
	Advanced Writing (W)	Winter	5		<b>T PHYS 122</b>	<b>Physics II (Electromagnetism)</b>	<b>Winter</b>	<b>6</b>	
<b>Lab Science</b>	<b>Approved additional lab science*</b>	<b>Winter</b>	<b>6</b>			Minor/ Elective Course	Winter	5	
<b>TMATH 124</b>	<b>Calculus I</b>	<b>Spring</b>	<b>5</b>		<b>T PHYS 123</b>	<b>Physics III (Waves)</b>	<b>Spring</b>	<b>6</b>	
	Social Science and Diversity (SSc and DIV)	Spring	5		<b>TMATH 207</b>	<b>Differential Equations</b>	<b>Spring</b>	<b>5</b>	
	Minor/ Elective Course	Spring	5			Minor/ Elective Course	Spring	5	
Third Year					Fourth Year				
<b>TCSS 141**</b>	<b>Programming for All</b>	<b>Fall</b>	<b>5</b>		TCE 307	Construction Engineering	Fall	5	
<b>TME 221</b>	<b>Statics</b>	<b>Fall</b>	<b>4</b>		TCE 347	Fluid Mechanics	Fall	5	
	Minor/ Elective Course	Fall	5		TCE 304	Civil Engineering Systems	Fall	3	
					TME 310	Intro to Comp Modeling I	Fall	2	
<b>TME 222</b>	<b>Mechanics of Materials</b>	<b>Winter</b>	<b>4</b>		TME 351	Engineering Prob. & Stats.	Winter	3	
<b>TCHEM 142</b>	<b>General Chemistry I</b>	<b>Winter</b>	<b>6</b>		TCE 367	Geotechnical Engr+LAB	Winter	5	
	Arts and Humanities (A&H)	Winter	5		TCE 305	CAD for Civil Engrs (A&H)	Winter	3	
					TCE 377	Intro to Structural Analysis	Winter	5	
<b>TME 223</b>	<b>Dynamics</b>	<b>Spring</b>	<b>4</b>		TCE 337	Construction Materials + LAB	Spring	5	
	Social Science (SSc)	Spring	5		TCE 357	Environmental Engr	Spring	5	
	Minor/ Elective Course	Spring	5		TCE 327	Transportation Engr.	Spring	5	
Fifth Year					<p>Note: This is an advising tool only and is subject to change. Required prerequisites are in BOLD. Admission is not guaranteed and is based on review of major application.</p> <p>*Additional lab science course must be approved by advising team, 6 cr (cannot be Physics or Chemistry); highly recommend TGEOS 117 Physical Geology</p> <p>**5 credits of programming (Courses in Python, Java, C, C++ or the equivalent of AMATH 301: Beginning Scientific Computing will meet this requirement)</p> <p>VLPA elective (spring, sophomore year): highly recommend spoken communication elective, where available</p>				
TCE 309	GIS for Civil Engineers	Fall	4						
TCE 473	Hydraulic Engr and Hydrology+LAB	Fall	5						
TCE 4XX	Elective	Fall	4						
TCE 4XX	Elective	Winter	4						
TME 403	Engineering Economics	Winter	2						
TCE 4XX	Elective	Winter	4						
TCE 488	Senior Project I	Winter	2						
TCE 401	Engr Project Management	Winter	3						
TEE 225	Engineering Ethics (W, A&H)	Spring	5						
TCE 4XX	Elective	Spring	4						
TCE 489	Senior Project II	Spring	5						