

**Recommended Four-Year Plan of Study COLLEGE OF ENGINEERING**  
**Bachelor of Science in Civil Engineering**

<b>Four Year Plan of Study</b>			
<b>First Year of Enrollment</b>			
<b>First Term</b>		<b>Second Term</b>	
<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>	<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>
ENGL 1157 - English Composition I	3	ENGL 1158 or 1159 - English Composition II	3
MATH 2114 - Calculus I	4	MATH 2124 - Calculus II	4
ENCE 2302 - Civil Eng Comp & Gr Lecture	3	ENCE 2350 - Statics	3
ENCE 2303 - Civil Eng Comp & Gr Lab	1	CHEM 1017 - General Chemistry I	3
ENCE 2310 - Elem Surveying Measurements	3	PHYS 1062 - Physics for Sci & Engr II	3
UNIV 1001 - Univ Success or ENGR 1000 <sup>1</sup>	1	PHYS 1065 - Physics Lab for Sci & Engr II	1
PHYS 1061 - Physics for Sci & Engr I	3		
PHYS 1063 - Physics Lab for Sci & Engr I	1		
<b>Total Hours</b>	<b>19</b>	<b>Total Hours</b>	<b>17</b>
<b>Second Year of Enrollment</b>			
<b>First Term</b>		<b>Second Term</b>	
<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>	<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>
Literature Elective	3	Humanities Elective	3
Social Science Elective	3	Biology Elective	3
MATH 2134 - Calculus III	4	ENGL 2152 - Technical Writing	3
ENCE 2351 - Mechanics of Materials	3	MATH 2221 - Elem Differential Equations	3
ENCE 2311 - Mechanics of Materials Lab	1	ECON 1203 - Microecon or 1330 - Intro to	3
ENCE 2750 - Dynamics	3	financial literacy	
<b>Total Hours</b>	<b>17</b>	<b>Total Hours</b>	<b>15</b>
<b>Third Year of Enrollment</b>			
<b>First Term</b>		<b>Second Term</b>	
<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>	<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>
MATH 2314 - Elem Statistical Methods	3	ENCE 4358 - Structural Steel Design	3
ENCE 3356 - Structural Analysis	4	ENCE 4321 - Hydrology	3
ENCE 3318 - Principles of Hydraulics	3	ENCE 3327 - Intro to Environmental Engr	3
ENCE 3391 - Construction Pr Management	3	ENCE 3326 - Environmental Engineering Lab	1
ENCE 4359 - Structural Concrete Design	3	ENCE 3340 - Geotechnical Engineering	3
		ENCE 3341 - Soil Mechanics Lab	1
<b>Total Hours</b>	<b>16</b>	<b>Total Hours</b>	<b>14</b>
<b>Fourth Year of Enrollment</b>			
<b>First Term</b>		<b>Second Term</b>	
<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>	<b>Course Prefix &amp; Number</b>	<b>Credit Hours</b>
ENCE 4097 - Elective (Capstone I)	3	Arts Elective	3
ENCE 4318 - Hydraulic Engr Systems	3	ENCE Elective	3
ENCE 4319 - Fluid Mech & Hyd Engr Lab	1	ENCE 4386 - Principles Transp & Hwy Engr	3
ENCE 4323 - Design Water/Wastewater Sys	3	ENCE 4390 - Sr Civil Engr Design Project	3
ENCE 4340 - Foundation Engineering	3	ENCE 4399 - Civil Engr Seminar	2
ENCE Elective	3		
<b>Total Hours</b>	<b>16</b>	<b>Total Hours</b>	<b>14</b>
<b>Total Degree Hours</b>			<b>128</b>

<sup>1</sup> UNIV 1001/ENGR1000 is required for all first-time full-time students; it does not carry credit toward the bachelor of science in civil engineering degree, which requires 127 credit hours.