

# ENGINEERING BACHELOR OF SCIENCE WITH A CONCENTRATION IN CIVIL ENGINEERING

Course	Title	Credits
<b>Freshman Year</b>		
<b>Fall Semester</b>		
ENGR1100	INTRODUCTION TO ENGINEERING EXPERIENCE	2
ENGR1203	ENGINEERING LABORATORY-BSCE	2
MATH1750	ENGINEERING CALCULUS I	4
PHYS1250	ENGINEERING PHYSICS I	4
English Sequence*		4
<b>Credits</b>		<b>16</b>
<b>Spring Semester</b>		
PHYS1750	ENGINEERING PHYSICS II	4
MATH1850	ENGINEERING CALCULUS II	4
ENGR1300	FIRST-YEAR ENGINEERING DESIGN	2
ENGR1403	APPLIED ENGINEERING ANALYSIS-BSCE	2
English Sequence*		4
<b>Credits</b>		<b>16</b>
<b>Sophomore Year</b>		
<b>Fall Semester</b>		
MATH2025	MULTIVARIABLE CALCULUS	4
CHEM1100	GENERAL CHEMISTRY I	4
CIVE2000	STATICS & MECHANICS MATERIALS I	3
CIVE2205	INTRODUCTION TO GEOMATICS	4
Elective 1		3
<b>Credits</b>		<b>18</b>
<b>Spring Semester</b>		
CIVE2300	CAD IN CIVIL ENGINEERING	3
CIVE2400	CIVIL ENGINEERING MATERIALS	3
CIVE2500	STATICS & MECHANICS MATERIALS II	4
MATH2500	DIFFERENTIAL EQUATIONS	4
Computer Science Elective (COMP) 1		4
<b>Credits</b>		<b>18</b>
<b>Junior Year</b>		
<b>Fall Semester</b>		
CIVE3000	FLUID MECHANICS	4
CIVE3300	SOIL MECHANICS	4
Management Elective (MGMT) 1		3
Elective 2		3
<b>Credits</b>		<b>14</b>
<b>Spring Semester</b>		
COOP3500	COOP EDUCATION 1	
<b>Credits</b>		<b>0</b>
<b>Summer Semester</b>		
CIVE3900	HYDRAULIC ENGINEERING	4

Course	Title	Credits
ENGR3500	ENGINEERING JUNIOR DESIGN	4
Management Elective (MGMT) 2		3
HSS Elective*		4
<b>Credits</b>		<b>15</b>
<b>Senior Year</b>		
<b>Fall Semester</b>		
COOP4500	COOP EDUCATION 2	
<b>Credits</b>		<b>0</b>
<b>Spring Semester</b>		
CIVE4000	CIVIL ENGINEERING DESIGN PROJECTS	4
Elective 3		3
Elective 4		3
HSS Elective*		4
<b>Credits</b>		<b>14</b>
<b>Summer Semester</b>		
CIVE5500	CIVIL ENGINEERING CAPSTONE DESIGN	4
Civil Engineering Elective 1		4
Science-Geology/Biology Elective		4
HSS Elective*		4
<b>Credits</b>		<b>16</b>
<b>Total Credits</b>		<b>127</b>

Math Placement (<https://catalog.wit.edu/academic-policies-procedures/ug/math-placement/>) may alter the course schedule above.