

# ENGINEERING BACHELOR OF SCIENCE WITH A CONCENTRATION IN COMPUTER ENGINEERING

Course	Title	Credits
<b>Freshman Year</b>		
<b>Fall Semester</b>		
ENGR1100	INTRODUCTION TO ENGINEERING EXPERIENCE	2
ENGR1206	ENGINEERING LABORATORY-BSEN	2
MATH1776	CALCULUS 1A	2
MATH1777	CALCULUS 1B	2
PHYS1250	ENGINEERING PHYSICS I	4
English Sequence*		4
<b>Credits</b>		<b>16</b>
<b>Spring Semester</b>		
ENGR1300	FIRST-YEAR ENGINEERING DESIGN	2
ENGR1404	APPLIED ENGINEERING ANALYSIS-BSEE/BSCO	2
MATH1776	CALCULUS 1A	2
MATH1777	CALCULUS 1B	2
PHYS1750	ENGINEERING PHYSICS II	4
English Sequence*		4
<b>Credits</b>		<b>16</b>
<b>Sophomore Year</b>		
<b>Fall Semester</b>		
ELEC2275	DIGITAL LOGIC	4
ENGR2100	PROGRAMMING FOR ENGINEERS	4
MATH2600	DIFFERENTIAL EQUATIONS & LINEAR SYSTEMS	4
Science Elective		4
<b>Credits</b>		<b>16</b>
<b>Spring Semester</b>		
ELEC2300	CIRCUIT ANALYSIS	4
MATH2025	MULTIVARIABLE CALCULUS	4
General Elective		4
HSS Elective*		4
<b>Credits</b>		<b>16</b>
<b>Junior Year</b>		
<b>Fall Semester</b>		
ELEC3150	OBJECT ORIENTED PROGRAMMING FOR ENGINEERS	4
ELEC3725	COMPUTER ARCHITECTURE	3
HSS Elective*		4
Math/Science Elective		4
<b>Credits</b>		<b>15</b>
<b>Spring Semester</b>		
COOP3500	COOP EDUCATION 1	
<b>Credits</b>		<b>0</b>

Course	Title	Credits
<b>Summer Semester</b>		
ELEC2850	MICROCONTROLLERS USING C PROGRAMS	4
ELEC3225	APPLIED PROGRAMMING CONCEPTS	3
ENGR3500	ENGINEERING JUNIOR DESIGN	4
General 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>		
ENGR5000	ENGINEERING SENIOR DESIGN I	4
MATH2100	PROBABILITY & STATISTICS FOR ENGINEERS	4
MGMT3200	ENGINEERING ECONOMY	3
General Elective		4
<b>Credits</b>		<b>15</b>
<b>Summer Semester</b>		
ELEC3550	COMPUTER NETWORKS FOR ENGINEERS	4
ENGR5500	ENGINEERING SENIOR DESIGN II	4
General Elective		4
HSS Elective*		4
<b>Credits</b>		<b>16</b>
<b>Total Credits</b>		<b>125</b>

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