

## Recommended Course Schedule for the Bachelor of Science Degree in Engineering

<i>First Year</i>								
<u>Fall Semester</u>			<u>Winter Semester</u>			<u>Spring Semester</u>		
Course #	Course Name	Hrs	Course #	Course Name	Hrs	Course #	Course Name	Hrs
MTH 151	Calculus I	4	COR	Core Curriculum	4	MTH 251	Calculus II	4
ENG 110	Writing: Argument and Inquiry <i>or</i>					COR 110	Global Experience <i>or</i>	
COR 110	Global Experience	4				ENG 110	Writing: Argument and Inquiry	4
PHY 221	University Physics I & Lab	4				PHY 222	University Physics II & Lab	4
EGR 121	Grand Challenges in Engineering I	3				CSC 130	Computer Science I	4
EGR 122	Introduction to Matlab	2				EGR 123	Grand Challenges in Engineering II	2
ELN 101	Orientation	1						
<b>Semester Total</b>		18				<b>Semester Total</b>		18
<i>Second Year</i>								
<u>Fall Semester</u>			<u>Winter Semester</u>			<u>Spring Semester</u>		
Course #	Course Name	Hrs	Course #	Course Name	Hrs	Course #	Course Name	Hrs
MTH 252	Multi Var Calc and Analytic Geo III	4	COR	Core Curriculum	4	MTH 351	Differential Equations	4
CHM 111	General Chemistry I & Lab	4				EGR 208	Engineering Mechanics: Dynamics	3
EGR 206	Engineering Mechanics: Statics	3				EGR 226	Structure and Properties of Materials	4
EGR 221	Engineering Design for Service	3				EGR 499	Undergraduate Research	1
	Math/Science or Engineering Elective	4					Math/Science or Engineering Elective	4
<b>Semester Total</b>		18				<b>Semester Total</b>		16
<i>Third Year</i>								
<u>Fall Semester</u>			<u>Winter Semester</u>			<u>Spring Semester</u>		
Course #	Course Name	Hrs	Course #	Course Name	Hrs	Course #	Course Name	Hrs
PHY 397	Research Methods I	2	COR	Core Curriculum	4	PHY 398	Research Methods II	2
COR	Core Curriculum	4				COR	Core Curriculum	4
	Math/Science or Engineering Elective	4					Math/Science or Engineering Elective	4
	Math/Science or Engineering Elective	4					Elective	4
	Elective	4					Elective	4
<b>Semester Total</b>		18				<b>Semester Total</b>		18
<i>Fourth Year</i>								
<u>Fall Semester</u>			<u>Winter Semester</u>			<u>Spring Semester</u>		
Course #	Course Name	Hrs	Course #	Course Name	Hrs	Course #	Course Name	Hrs
EGR 421	Engineering Design I	2	COR	Core Curriculum	4	EGR 422	Engineering Design II	2
COR	Capstone Seminar (300-400 level)	4					Math/Science or Engineering Elective	4
	Math/Science or Engineering Elective	4					Elective	4
	Elective	4					Elective	4
	Elective	4					Elective	4
<b>Semester Total</b>		18				<b>Semester Total</b>		18
<b>Total Hours Required for the Major</b>		97						

### Legend

Core Curriculum (First Year Foundations, Experiential Learning, World Languages, Arts & Sciences—note the required one economics and one ethics courses fall in the Society and Expression categories, Advanced Studies, Capstone)

Math/Science or Engineering Electives (7 occurrences)

Free Electives (8 occurrences for a total of 32 hours)