

## Proposed Course Schedule for the Bachelor of Science Degree in Engineering – Honors Fellows

### First Year

#### Fall Semester

Course #	Course Name	Hrs
MTH 151	Calculus I	4
ENG 110	Writing: Argument and Inquiry <i>or</i>	
COR 110	Global Experience	4
PHY 221	University Physics I & Lab	4
EGR 121	Grand Challenges in Engineering I	3
EGR 122	Introduction to Matlab	2
ELN 101	Orientation	1
<b>Semester Total</b>		<b>18</b>

#### Winter Semester

Course #	Course Name	Hrs
COR	Core Curriculum	4

#### Spring Semester

Course #	Course Name	Hrs
MTH 251	Calculus II	4
COR 110	Global Experience <i>or</i>	
ENG 110	Writing: Argument and Inquiry	4
PHY 222	University Physics II & Lab	4
HNR	Seminar	4
EGR 123	Grand Challenges in Engineering II	2
<b>Semester Total</b>		<b>18</b>

### Second Year

#### Fall Semester

Course #	Course Name	Hrs
MTH 252	Multi Var Calc and Analytic Geo III	4
HNR	Seminar	4
EGR 206	Engineering Mechanics: Statics	3
EGR 221	Engineering Design for Service	3
CSC 130	Computer Science I	4
<b>Semester Total</b>		<b>18</b>

#### Winter Semester

Course #	Course Name	Hrs
COR	Core Curriculum	4

#### Spring Semester

Course #	Course Name	Hrs
MTH 351	Differential Equations	4
EGR 208	Engineering Mechanics: Dynamics	3
EGR 226	Structure and Properties of Materials	4
EGR 499	Undergraduate Research	1
HNR	Seminar	4
<b>Semester Total</b>		<b>16</b>

### Third Year

#### Fall Semester

Course #	Course Name	Hrs
PHY 397	Research Methods I	2
COR	Core Curriculum	4
CHM 111	General Chemistry I & Lab	4
	Math/Science or Engineering Elective	4
	Math/Science or Engineering Elective	4
<b>Semester Total</b>		<b>18</b>

#### Winter Semester

Course #	Course Name	Hrs
COR	Core Curriculum	4

#### Spring Semester

Course #	Course Name	Hrs
PHY 398	Research Methods II	2
COR	Core Curriculum	4
	Math/Science or Engineering Elective	4
	Math/Science or Engineering Elective	4
HNR	Research	2
<b>Semester Total</b>		<b>16</b>

### Fourth Year

#### Fall Semester

Course #	Course Name	Hrs
EGR 421	Engineering Design I	2
COR	Capstone Seminar (300-400 level)	4
	Math/Science or Engineering Elective	4
	Math/Science or Engineering Elective	4
HNR	Research	3
<b>Semester Total</b>		<b>17</b>
<b>Total Hours Required for the Major</b>		<b>97</b>

#### Winter Semester

Course #	Course Name	Hrs
COR	Core Curriculum	4

#### Spring Semester

Course #	Course Name	Hrs
EGR 422	Engineering Design II	2
	Math/Science or Engineering Elective	4
HNR	Research	3
	Elective	4
	Elective	4
<b>Semester Total</b>		<b>17</b>

<b>Legend</b>
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 (2 occurrences for a total of 8 hours)
Honors program requirements (seminars and research credit)