



# CURRICULUM GUIDE WORKSHEET

## Engineering BS in Engineering/CompE Concentration

Name: \_\_\_\_\_

Catalogue Year: \_\_\_\_\_

Minor (optional): \_\_\_\_\_

### Freshman (Fall)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> CHE 105/111	General Chemistry/Fundamentals of General Chemistry	4	_____
<input type="checkbox"/> EGR 101	Introduction to Engineering Design and Analysis	1	_____
<input type="checkbox"/> EGR 105	Solid Modeling	1	_____
<input type="checkbox"/> ENG 111	Written Composition I	3	_____
<input type="checkbox"/> HIS 101	World Civilization to the 18 <sup>th</sup> Century	3	_____
<input type="checkbox"/> MAT 211	Calculus I	4	_____
		<b>16</b>	

Review Registration on Ellucian/Self-Service

### Freshman (Spring)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> EGR 109	Introduction to MATLAB and Computer Programming	2	_____
<input type="checkbox"/> ENG 112	Written Composition II	3	_____
<input type="checkbox"/> MAT 212	Calculus II	4	_____
<input type="checkbox"/> PEWS 100	Fitness for Health	1	_____
<input type="checkbox"/> PHY 231	Physics I	5	_____
		<b>15</b>	

### Sophomore (Fall)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> EGR 240	Mechanical Engineering Fundamentals I: Mechanics	3	_____
<input type="checkbox"/> EGR 261	Electrical Engineering Fundamentals I: Digital Logic	3	_____
<input type="checkbox"/> MAT 213	Calculus III	4	_____
<input type="checkbox"/> PHY 232	Physics II	5	_____
		<b>15</b>	

### Sophomore (Spring)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> COM 112/235	Public/Interpersonal Communication	3	_____
<input type="checkbox"/> CSC 125	Programming in Python	3	_____
<input type="checkbox"/> EGR 250	ME Fundamentals II: Thermodynamics	3	_____
<input type="checkbox"/> EGR 262	EE Fundamentals II: Electric and Electronic Circuits	4	_____
<input type="checkbox"/> MAT 314	Differential Equations	3	_____
		<b>16</b>	

Declare minor with Dean, Arts & Sciences (optional)

### Junior (Fall)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> CSC 300	Embedded Systems and IoT	3	_____
<input type="checkbox"/> CSC 365	Data Communications and Networks	3	_____
<input type="checkbox"/> CSC xxx or EGR xxx	CompE Elective <sup>1</sup>	3	_____
<input type="checkbox"/> EGR 342	Engineering Experimental Methods	3	_____
<input type="checkbox"/> HIS 102	World Civilization from the 18 <sup>th</sup> Century	3	_____
		<b>15</b>	

Apply for Junior Audit after completing 72 credit hours

### Junior (Spring)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> CSC 270	Computer Architecture	3	_____
<input type="checkbox"/> CSC 275	Data Structures & Algorithms	3	_____
<input type="checkbox"/> EGR 330	Engineering Economy	3	_____
<input type="checkbox"/> EGR 361	Digital Electronics	3	_____
<input type="checkbox"/> EGR 391	Major Project Design Preparation	1	_____
<input type="checkbox"/> MAT 205	Discrete Mathematics	3	_____
		<b>16</b>	

### Senior (Fall)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> CHR 111	Old Testament Survey	3	_____
<input type="checkbox"/> CSC xxx or EGR xxx	CompE Elective <sup>1</sup>	3	_____
<input type="checkbox"/> EGR 491	Major Project Design I	2	_____
<input type="checkbox"/> ENG 2XX	World Literature <sup>2</sup>	3	_____
<input type="checkbox"/> General Core	Social and Behavioral Sciences <sup>3</sup>	3	_____
		<b>14</b>	

Apply for Graduation

### Senior (Spring)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> ART 210	Arts in Western Civilization	3	_____
<input type="checkbox"/> CHR 112	New Testament Survey	3	_____
<input type="checkbox"/> CSC xxx or EGR xxx	CompE Elective <sup>4</sup>	3	_____
<input type="checkbox"/> EGR 426	Signals & Systems	3	_____
<input type="checkbox"/> EGR 492	Major Project Design II	3	_____
<input type="checkbox"/> EGR 498	Engineering Seminar	1	_____
		<b>16</b>	

1. CompE Fall elective options: CSC 313, CSC 337, CSC 417, EGR 360, EGR 375

2. English Elective: Choose ENG 201 or ENG 202.

3. General Core, Social and Behavioral Sciences: Select ONE from ECO 211, ECO 212, HON 225, PHL 240, PSC 211, PSY 213, SOC 211

4. CompE Spring elective options: CSC 326, CSC 357, CSC 410 (even), EGR 475

#### ADDITIONAL NOTES:

- The BSE degree requires a total of 123 hours, with a minimum of 36 upper-level (300 and 400 level) hours.

- This curriculum guide is to be used for students entering in an **odd-even** academic year (e.g. 2023-2024).