

## COMPUTER ENGINEERING 2022-23

This grid is intended to serve as a guide and should be adjusted for individual circumstances in consultation with academic advisors. Course availability subject to change. Changes will be announced by the department.

### FRESHMAN YEAR

FALL	units	WINTER	units	SPRING	units
ECE 3 or CMPSC 8 <sup>1</sup>	4	CMPSC 16	4	CMPSC 24	4
ECE 5	4	ECE 1A	1	ECE 1B	1
MATH 3A	4	MATH 3B	4	MATH 4A	4
WRIT 1E or 2E	4	PHYS 1	4	PHYS 2	4
		WRIT 2E or 50E	4	WRIT 50E or G.E.	4
<b>TOTAL</b>	<b>16</b>		<b>17</b>		<b>17</b>

### SOPHOMORE YEAR

FALL	units	WINTER	units	SPRING	units
CMPSC 32 or CMPSC 40	4/5	CMPSC 32 or CMPSC 40	4/5	ECE 10C	3
ECE 10A	3	ECE 10B	3	ECE 10CL	2
ECE 10AL	2	ECE10BL	2	ECE 139 or PSTAT 120A <sup>2</sup>	4
MATH 4B	4	ECE 15A	4	ECE 152A	5
PHYS 3	3	PHYS 4	3	MATH 6A	4
PHYS 3L	1	PHYS 4L	1		
<b>TOTAL</b>	<b>17/18</b>		<b>17/18</b>		<b>18</b>

### JUNIOR YEAR

FALL	units	WINTER	units	SPRING	units
ECE 154A	4	CMPSC 130A	4	CMPEN Electives	8
CMPEN Electives	8	CMPEN Electives	8	G.E.	8
G.E.	4	G.E.	4		
<b>TOTAL</b>	<b>16</b>		<b>16</b>		<b>16</b>

### SENIOR YEAR

FALL	units	WINTER	units	SPRING	units
ECE 189A <sup>3</sup> / CMPSC 189A <sup>4</sup>	4	ECE 189B/ CMPSC 189B	4	ECE 189C or CMPEN Elective	4
CMPEN Electives	8	ENGR 101 <sup>5</sup>	3	CMPEN Elective	4
G.E. <sup>6</sup>	4	CMPEN Elective	4	G.E.	4
		G.E.	4		
<b>TOTAL</b>	<b>12</b>		<b>16</b>		<b>12</b>

<sup>1</sup> Students with no prior computer programming background should take either ECE 3 or CMPSC 8.

<sup>2</sup> PSTAT 120A is offered each quarter. ECE 139 is offered only in the spring quarter and is better suited for future upper division electives for the Computer Engineering major.

<sup>3</sup> ECE 153B is the prerequisite to ECE 189A.

<sup>4</sup> CMPSC 156 is the prerequisite for CMPSC 189A.

<sup>5</sup> ENGR 101 may be taken any quarter of the senior year.

<sup>6</sup> Students must complete at least 12 units per quarter. Students must complete at least 191 units to graduate. See an advisor for more information.