

## ELECTRICAL 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

| <b>FALL</b>   | <b>units</b> | <b>WINTER</b>       | <b>units</b> | <b>SPRING</b>                     | <b>units</b> |
|---------------|--------------|---------------------|--------------|-----------------------------------|--------------|
| ECE 3         | 4            | CMPSC 16 or CMPSC 9 | 4            | ECE 6 or CHEM 1A/1AL <sup>1</sup> | 4/5          |
| ECE 5         | 4            | MATH 3B             | 4            | MATH 4A                           | 4            |
| MATH 3A       | 4            | PHYS 1              | 4            | PHYS 2                            | 4            |
| WRIT 1E or 2E | 4            | WRIT 2E or 50E      | 4            | WRIT 50E or G.E.                  | 4            |
| <b>TOTAL</b>  | <b>16</b>    |                     | <b>16</b>    |                                   | <b>16/17</b> |

### SOPHOMORE YEAR

| <b>FALL</b>  | <b>units</b> | <b>WINTER</b> | <b>units</b> | <b>SPRING</b>           | <b>units</b> |
|--------------|--------------|---------------|--------------|-------------------------|--------------|
| ECE 10A      | 3            | ECE 10B       | 3            | ECE 10C                 | 3            |
| ECE 10AL     | 2            | ECE 10BL      | 2            | ECE 10CL                | 2            |
| MATH 4B      | 4            | ECE 130A      | 4            | ECE 139                 | 4            |
| PHYS 3       | 3            | MATH 6A       | 4            | MATH 6B                 | 4            |
| PHYS 3L      | 1            | PHYS 4        | 3            | PHYS 5 & 5L or ECE 130B | 4            |
| GE           | 4            | PHYS 4L       | 1            |                         |              |
| <b>TOTAL</b> | <b>17</b>    |               | <b>17</b>    |                         | <b>17</b>    |

### JUNIOR YEAR

| <b>FALL</b>  | <b>units</b> | <b>WINTER</b> | <b>units</b> | <b>SPRING</b>            | <b>units</b> |
|--------------|--------------|---------------|--------------|--------------------------|--------------|
| ECE 15A      | 4            | ECE 152A      | 5            | ECE 153B or ECE Elective | 4            |
| ECE 134      | 4            | ECE Elective  | 4            | ECE Elective             | 4            |
| ECE Elective | 4            | ECE Elective  | 4            | ECE Elective             | 4            |
| ECE Elective | 4            | G.E.          | 4            | G.E.                     | 4            |
| <b>TOTAL</b> | <b>16</b>    |               | <b>17</b>    |                          | <b>16</b>    |

### SENIOR YEAR

| <b>FALL</b>                | <b>units</b> | <b>WINTER</b>        | <b>units</b> | <b>SPRING</b> | <b>units</b> |
|----------------------------|--------------|----------------------|--------------|---------------|--------------|
| ECE 153A or ECE Elective   | 4            | ECE 188B             | 3            | ECE 188C      | 3            |
| ECE 188A                   | 3            | ECE Elective         | 4            | ECE Elective  | 4            |
| G.E.                       | 4            | ENG 101 <sup>2</sup> | 4            |               |              |
| Free Elective <sup>3</sup> | 4            | G.E.                 | 4            |               |              |
| <b>TOTAL</b>               | <b>15</b>    |                      | <b>15</b>    |               | <b>14</b>    |

<sup>1</sup> Students interested in the BS/MS Materials Program are advised to take CHEM 1A/1AL.

<sup>2</sup> ENGR 101 may be taken any quarter of the senior year.

<sup>3</sup> Students must complete at least 12 units per quarter. Students must complete at least 189 units to graduate. See an advisor for more information.