

# Electrical Engineering, BS

## Graduation Plan - 4 years

### 1st Year

| Fall Semester            | Hours Spring Semester                                                                                              | Hours     |
|--------------------------|--------------------------------------------------------------------------------------------------------------------|-----------|
| MECH 1000<br>& MECH 1005 | 3 MECH 1200<br>& MECH 1205                                                                                         | 4         |
| CHEM 1210<br>& CHEM 1215 | 5 PHYS 2210<br>& PHYS 2215                                                                                         | 5         |
| MATH 1210                | 4 MATH 1220                                                                                                        | 4         |
| ENGL 2010                | 3 General Education (Life<br>Science) (catalog.utahtech.edu/<br>programs/generaleducation/<br>#gerequirementstext) | 3         |
|                          | <b>15</b>                                                                                                          | <b>16</b> |

### 2nd Year

| Fall Semester            | Hours Spring Semester      | Hours     |
|--------------------------|----------------------------|-----------|
| ECE 2700<br>& ECE 2705   | 4 MECH 2250<br>& MECH 2255 | 4         |
| MECH 2210<br>& MECH 2215 | 4 ECE 2280<br>& ECE 2285   | 4         |
| PHYS 2220<br>& PHYS 2225 | 5 ECE 2100                 | 3         |
| MATH 2210                | 4 MATH 2250                | 4         |
|                          | <b>17</b>                  | <b>15</b> |

### 3rd Year

| Fall Semester            | Hours Spring Semester                                                                                                | Hours     |
|--------------------------|----------------------------------------------------------------------------------------------------------------------|-----------|
| ECE 3730<br>& ECE 3735   | 4 ECE 3600<br>& ECE 3605                                                                                             | 4         |
| MECH 3200<br>& MECH 3205 | 3.5 ECE 3500                                                                                                         | 3         |
| ECE 3300<br>& ECE 3305   | 4 Tech Elective 1                                                                                                    | 3         |
| MATH 3400                | 3 Tech Elective 2                                                                                                    | 3         |
|                          | General Education (Lit /<br>Humanities) (catalog.utahtech.edu/<br>programs/generaleducation/<br>#gerequirementstext) | 3         |
|                          | <b>14.5</b>                                                                                                          | <b>16</b> |

### 4th Year

| Fall Semester   | Hours Spring Semester                                                                                                       | Hours |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------|-------|
| ECE 4000        | 3 ECE 4010                                                                                                                  | 3     |
| ENGL 3010       | 3 Tech Elective 5                                                                                                           | 3     |
| Tech Elective 3 | 3 Tech Elective 6                                                                                                           | 3     |
| Tech Elective 4 | 3 General Education (American<br>Institutions) (catalog.utahtech.edu/<br>programs/generaleducation/<br>#gerequirementstext) | 3     |

|                                                                                                    |                                                                                                                        |           |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------|
| General Education (Fine Arts) (catalog.utahtech.edu/programs/generaleducation/#gerequirementstext) | 3 General Education (Social & Behavioral Science) (catalog.utahtech.edu/programs/generaleducation/#gerequirementstext) | 3         |
|                                                                                                    | <b>15</b>                                                                                                              | <b>15</b> |

**Total Hours 123.5**

## Graduation Plan - 5 years (MATH 1010)

### 1st Year

| Fall Semester                                                                                         | Hours Spring Semester   | Hours     |
|-------------------------------------------------------------------------------------------------------|-------------------------|-----------|
| MECH 1000 & MECH 1005                                                                                 | 3 MECH 1200 & MECH 1205 | 4         |
| ENGL 1010                                                                                             | 3 MATH 1080             | 5         |
| General Education (Life Science) (catalog.utahtech.edu/programs/generaleducation/#gerequirementstext) | 3 ENGL 2010             | 3         |
| MATH 1010                                                                                             | 4                       |           |
|                                                                                                       | <b>13</b>               | <b>12</b> |

### 2nd Year

| Fall Semester         | Hours Spring Semester                                                                                            | Hours     |
|-----------------------|------------------------------------------------------------------------------------------------------------------|-----------|
| ECE 2700 & ECE 2705   | 4 PHYS 2210 & PHYS 2215                                                                                          | 5         |
| CHEM 1210 & CHEM 1215 | 5 MATH 1220                                                                                                      | 4         |
| MATH 1210             | 4 General Education (American Institutions) (catalog.utahtech.edu/programs/generaleducation/#gerequirementstext) | 3         |
|                       | <b>13</b>                                                                                                        | <b>12</b> |

### 3rd Year

| Fall Semester         | Hours Spring Semester   | Hours     |
|-----------------------|-------------------------|-----------|
| MECH 2210 & MECH 2215 | 4 MECH 2250 & MECH 2255 | 4         |
| PHYS 2220 & PHYS 2225 | 5 ECE 2280 & ECE 2285   | 4         |
| MATH 2210             | 4 ECE 2100              | 3         |
|                       | MATH 2250               | 4         |
|                       | <b>13</b>               | <b>15</b> |

### 4th Year

| Fall Semester         | Hours Spring Semester | Hours     |
|-----------------------|-----------------------|-----------|
| ECE 3730 & ECE 3735   | 4 ECE 3600 & ECE 3605 | 4         |
| MECH 3200 & MECH 3205 | 3.5 ECE 3500          | 3         |
| ECE 3300 & ECE 3305   | 4 Tech Elective 1     | 3         |
| MATH 3400             | 3 Tech Elective 2     | 3         |
|                       | <b>14.5</b>           | <b>13</b> |

### 5th Year

| Fall Semester   | Hours Spring Semester | Hours |
|-----------------|-----------------------|-------|
| ECE 4000        | 3 ECE 4010            | 3     |
| Tech Elective 3 | 3 Tech Elective 5     | 3     |

|                                                                                                    |                                                                                                                        |           |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------|
| Tech Elective 4                                                                                    | 3 Tech Elective 6                                                                                                      | 3         |
| ENGL 3010                                                                                          | 3 General Education (Lit / Humanities) (catalog.utahtech.edu/programs/generaleducation/#gerequirementstext)            | 3         |
| General Education (Fine Arts) (catalog.utahtech.edu/programs/generaleducation/#gerequirementstext) | 3 General Education (Social & Behavioral Science) (catalog.utahtech.edu/programs/generaleducation/#gerequirementstext) | 3         |
| <b>15</b>                                                                                          |                                                                                                                        | <b>15</b> |

**Total Hours 135.5**

## Graduation Plan - 5 years (MATH 1050)

### 1st Year

| Fall Semester                                                                                             | Hours Spring Semester   | Hours     |
|-----------------------------------------------------------------------------------------------------------|-------------------------|-----------|
| MECH 1000 & MECH 1005                                                                                     | 3 MECH 1200 & MECH 1205 | 4         |
| ENGL 1010                                                                                                 | 3 ENGL 2010             | 3         |
| MATH 1050                                                                                                 | 4 MATH 1060             | 3         |
| General Education (Life Science) (catalog.utahtech.edu/programs/generaleducation/#gerequirementstext)     | 3                       |           |
| General Education (Lit / Humanities) (catalog.utahtech.edu/programs/generaleducation/#gerequirementstext) | 3                       |           |
| <b>16</b>                                                                                                 |                         | <b>10</b> |

### 2nd Year

| Fall Semester         | Hours Spring Semester                                                                                            | Hours     |
|-----------------------|------------------------------------------------------------------------------------------------------------------|-----------|
| ECE 2700 & ECE 2705   | 4 PHYS 2210 & PHYS 2215                                                                                          | 5         |
| CHEM 1210 & CHEM 1215 | 5 MATH 1220                                                                                                      | 4         |
| MATH 1210             | 4 General Education (American Institutions) (catalog.utahtech.edu/programs/generaleducation/#gerequirementstext) | 3         |
| <b>13</b>             |                                                                                                                  | <b>12</b> |

### 3rd Year

| Fall Semester            | Hours Spring Semester      | Hours |
|--------------------------|----------------------------|-------|
| MECH 2210<br>& MECH 2215 | 4 MECH 2250<br>& MECH 2255 | 4     |
| PHYS 2220<br>& PHYS 2225 | 5 ECE 2280<br>& ECE 2285   | 4     |
| MATH 2210                | 4 ECE 2100                 | 3     |
|                          | MATH 2250                  | 4     |
|                          | 13                         | 15    |

### 4th Year

| Fall Semester         | Hours Spring Semester | Hours |
|-----------------------|-----------------------|-------|
| ECE 3730 & ECE 3735   | 4 ECE 3600 & ECE 3605 | 4     |
| MECH 3200 & MECH 3205 | 3.5 ECE 3500          | 3     |

|                                                                                                                                                                                                           |                                                                                                                                                                                                                                  |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| ECE 3300<br>& ECE 3305                                                                                                                                                                                    | 4 Tech Elective 1                                                                                                                                                                                                                | 3            |
| MATH 3400                                                                                                                                                                                                 | 3 Tech Elective 2                                                                                                                                                                                                                | 3            |
| <b>14.5</b>                                                                                                                                                                                               |                                                                                                                                                                                                                                  | <b>13</b>    |
| <b>5th Year</b>                                                                                                                                                                                           |                                                                                                                                                                                                                                  |              |
| <b>Fall Semester</b>                                                                                                                                                                                      | <b>Hours Spring Semester</b>                                                                                                                                                                                                     | <b>Hours</b> |
| ECE 4000                                                                                                                                                                                                  | 3 ECE 4010                                                                                                                                                                                                                       | 3            |
| Tech Elective 3                                                                                                                                                                                           | 3 Tech Elective 5                                                                                                                                                                                                                | 3            |
| Tech Elective 4                                                                                                                                                                                           | 3 Tech Elective 6                                                                                                                                                                                                                | 3            |
| ENGL 3010                                                                                                                                                                                                 | 3 General Education (Social<br>& Behavioral Science)<br>( <a href="http://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext">catalog.utahtech.edu/<br/>programs/generaleducation/<br/>#gerequirementstext</a> ) | 3            |
| General Education (Fine<br>Arts) ( <a href="http://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext">catalog.utahtech.edu/<br/>programs/generaleducation/<br/>#gerequirementstext</a> ) | 3                                                                                                                                                                                                                                |              |
| <b>15</b>                                                                                                                                                                                                 |                                                                                                                                                                                                                                  | <b>12</b>    |
| <b>Total Hours 133.5</b>                                                                                                                                                                                  |                                                                                                                                                                                                                                  |              |