## MAJOR REQUIREMENTS

### Lower Division Requirements

- [ ] CHEM 6A General Chemistry I
- [ ] PHYS 2A Mechanics
- [ ] MATH 20A Calculus I
- [ ] PHYS 2B Electricity and Magnetism
- [ ] MATH 20B Calculus II
- [ ] PHYS 2C Flu, Wav, Thermodynamics, Optics
- [ ] MATH 20C Calculus III
- [ ] PHYS 2D Relativity & Quantum
- [ ] MATH 20D Differential Equations
- [ ] PHYS 2DL
- [ ] MATH 18 Linear Algebra

### Upper Division Requirements

- [ ] ECE 100 Linear Electronic Systems
- [ ] ECE 101 Linear Systems Fundamentals
- [ ] ECE 102 Intro to Analog Design
- [ ] ECE 103 Fundamentals/Devices & Matrices
- [ ] ECE 107 Electromagnetism
- [ ] ECE 109 Eng. Probability & Stats

### Depth: 7 courses

- [ ] MATH 110A
- [ ] PHYS 110A
- [ ] PHYS 130A
- [ ] PHYS 130B
- [ ] PHYS 140A
- [ ] ECE 123 & 166 or ECE 135A & 135B or ECE 182 & (181 or 183): □ □
- [ ] Design Course: ECE 111, 115, 191, or 190

**Please Note:**
- PHYS 2DL and PHYS 130A have prerequisites that are not listed above. PHYS 2DL requires PHYS 2BL or 2CL. PHYS 130A requires 100B and 110A. PHYS 100B requires PHYS 100A, 105A and MATH 18. The upper division prerequisites can be applied towards elective requirements.
- "ECE 123 & 166 or ECE 135A & 135B or ECE 182 & (181 or 183): The 2 depth courses indicated * are not always offered in fall and winter, consult with the ECE Undergraduate Office for more detailed information or visit our website.

### Year 1

<table>
<thead>
<tr>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 15</td>
<td>ECE 45</td>
<td>ECE 30</td>
</tr>
<tr>
<td>ECE 25</td>
<td>MATH 20E</td>
<td>ECE 65</td>
</tr>
<tr>
<td>ECE 35</td>
<td>PHYS 2D &amp; 2DL</td>
<td>ECE 107</td>
</tr>
</tbody>
</table>

### Year 2

<table>
<thead>
<tr>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 100</td>
<td>ECE 102</td>
<td>ECE 109</td>
</tr>
<tr>
<td>ECE 101</td>
<td>ECE 103</td>
<td>PHYS 130A</td>
</tr>
<tr>
<td>PHYS 110A</td>
<td>MATH 110A</td>
<td>Elective #1</td>
</tr>
</tbody>
</table>

### Year 3

<table>
<thead>
<tr>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth #1*</td>
<td>Depth #2*</td>
<td>Elective #3</td>
</tr>
<tr>
<td>PHYS 130B</td>
<td>Eng. Design</td>
<td>Elective #4</td>
</tr>
<tr>
<td>PHYS 140A</td>
<td>Elective #2</td>
<td>Elective #5</td>
</tr>
</tbody>
</table>

**Please Note:**
- All courses used to satisfy major requirements must be taken for a LETTER GRADE and completed with a C– or better.
- These plans assume that students have completed equivalent lower division MATH, PHYS and CHEM courses at the community college that are required for the major.
- Depth courses are offered only once a year. Course offerings are subject to change.
- For personalized course plans, please set up an appointment with an advisor.
- *Due to six different college requirements, only major requirements are listed.*
### MAJOR REQUIREMENTS

#### Lower Division Requirements
- **CHEM 6A** General Chemistry I
- **MATH 20A** Calculus I
- **MATH 20B** Calculus II
- **MATH 20C** Calculus III
- **MATH 20D** Differential Equations
- **PHYS 2A** Mechanics
- **PHYS 2B** Electricity and Magnetism
- **PHYS 2C** Flu, Wav, Thrmdyn, Optics
- **PHYS 2D** Relativity & Quantum
- **MATH 20E** Vector Calculus
- **MATH 18** Linear Algebra
- **ECE 15** Engineering Computation
- **ECE 25** Intro to Digital Design
- **ECE 30** Intro to Computer Eng
- **ECE 35** Intro to Analog Design
- **ECE 45** Circuits & Systems
- **ECE 65** Components & Circuits Lab
- **2 courses in Social Sciences/Humanities**
- **ECE 15** Engineering Computation
- **ECE 25** Intro to Digital Design
- **ECE 30** Intro to Computer Eng
- **ECE 35** Intro to Analog Design
- **ECE 45** Circuits & Systems
- **ECE 65** Components & Circuits Lab

#### Upper Division Requirements
- **BREADTH**
  - **ECE 100** Linear Electronic Systems
  - **ECE 101** Linear Systems Fundamentals
  - **ECE 102** Intro Active Circuit Design
  - **ECE 103** Fundamentals/Devices & Matrls
  - **ECE 107** Electromagnetism
  - **ECE 109** Eng. Probability & Stats

#### Depth Courses
- Depth #1
- Depth #2
- Depth #3
- Depth #4
- Depth #5
- Depth #6

#### Electives:
- **Technical**
  - **ECE 111**
  - **ECE 115**
  - **ECE 191**
  - **ECE 190**

---

**PLEASE NOTE:**
- All courses used to satisfy major requirements must be taken for a LETTER GRADE and completed with a C– or better.
- These plans assume that students have completed equivalent lower division MATH, PHYS and CHEM courses at the community college that are required for the major.
- Depth courses are offered only once a year. Course offerings are subject to change.
- For personalized course plans, please set up an appointment with an advisor.
- *Due to six different college requirements, only major requirements are listed.*
### Communications Systems Depth

<table>
<thead>
<tr>
<th></th>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 5 or ECE 15</td>
<td>ECE 15 or ECE 5</td>
<td>ECE 30</td>
<td></td>
</tr>
<tr>
<td>ECE 25</td>
<td>ECE 45</td>
<td>ECE 65</td>
<td></td>
</tr>
<tr>
<td>ECE 35</td>
<td>PHYS 2D</td>
<td>MATH 20E</td>
<td></td>
</tr>
<tr>
<td>Year 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 100</td>
<td>ECE 102</td>
<td>ECE 107</td>
<td></td>
</tr>
<tr>
<td>ECE 101</td>
<td>ECE 109</td>
<td>ECE 153</td>
<td></td>
</tr>
<tr>
<td>Tech. Elective 1</td>
<td>Tech. Elective 2</td>
<td>Prof. Elective 1</td>
<td></td>
</tr>
<tr>
<td>Year 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 154A</td>
<td>ECE 154B</td>
<td>ECE 154C</td>
<td></td>
</tr>
<tr>
<td>ECE 158A</td>
<td>Tech. Elective 3</td>
<td>Design</td>
<td></td>
</tr>
<tr>
<td>Prof. Elective 2</td>
<td>Tech. Elective 4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PLEASE NOTE:**
- All courses used to satisfy major requirements must be taken for a LETTER GRADE and completed with a C– or better.
- These plans assume that students have completed equivalent lower division MATH, PHYS and CHEM courses at the community college that are required for the major.
- Depth courses are offered only once a year. Course offerings are subject to change.
- For personalized course plans, please set up an appointment with an advisor.
- *Due to six different college requirements, only major requirements are listed.*

### MAJOR REQUIREMENTS

#### Lower Division Requirements
- CHEM 6A General Chemistry I
- PHYS 2A Mechanics
- PHYS 2B Electricity and Magnetism
- PHYS 2C Flu,Wav,Thmdyn,Optics
- PHYS 2D Relativity & Quantum
- MATH 18 Linear Algebra
- MATH 20A Calculus I
- MATH 20B Calculus II
- MATH 20C Calculus III
- MATH 20D Differential Equations
- MATH 20E Vector Calculus

#### Upper Division Requirements

**BREADTH**
- ECE 100 Linear Electronic Systems
- ECE 101 Linear Systems Fundamentals
- ECE 102 Intro Active Circuit Design
- ECE 107 Electromagnetism
- ECE 109 Eng. Probability & Stats

**COMMUNICATIONS SYSTEMS DEPTH**
- ECE 153 Probability and Random Processes for Engineers
- ECE 154A Communications Systems I
- ECE 154B Communications Systems II
- ECE 154C Communications Systems III
- ECE 158A Data Networks I
- Design Course: ECE 111, 115, 191, or 190

**ELECTIVES**
- 4 Technical
- 2 Professional

[体现在表格中的内容]
<table>
<thead>
<tr>
<th></th>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Computer System Design Depth</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 5 or ECE 15</td>
<td>ECE 15 or ECE 5</td>
<td>ECE 30</td>
<td></td>
</tr>
<tr>
<td>ECE 25</td>
<td>ECE 45</td>
<td>ECE 65</td>
<td></td>
</tr>
<tr>
<td>ECE 35</td>
<td>PHYS 2D</td>
<td>MATH 20E</td>
<td></td>
</tr>
<tr>
<td>Year 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 100</td>
<td>ECE 102</td>
<td>ECE 165</td>
<td></td>
</tr>
<tr>
<td>ECE 101</td>
<td>ECE 109</td>
<td>Tech. Elective 2</td>
<td></td>
</tr>
<tr>
<td>ECE 103</td>
<td>Tech. Elective 1</td>
<td>Prof. Elective 1</td>
<td></td>
</tr>
<tr>
<td>Year 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 158A*</td>
<td>CSE 141</td>
<td>ECE 111*</td>
<td></td>
</tr>
<tr>
<td>Tech. Elective 3</td>
<td>Tech. Elective 4</td>
<td>Design</td>
<td></td>
</tr>
<tr>
<td>Prof. Elective 2</td>
<td>Tech. Elective 5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PLEASE NOTE:
- All courses used to satisfy major requirements must be taken for a LETTER GRADE and completed with a C– or better.
- These plans assume that students have completed equivalent lower division MATH, PHYS and CHEM courses at the community college that are required for the major.
- Depth courses are offered only once a year. Course offerings are subject to change.
- For personalized course plans, please set up an appointment with an advisor.
- Due to six different college requirements, only major requirements are listed.

MAJOR REQUIREMENTS

**Lower Division Requirements**
- CHEM 6A General Chemistry I
- PHYS 2A Mechanics
- PHYS 2B Electricity and Magnetism
- PHYS 2C Flu, Wav, Thrmdyn, Optics
- PHYS 2D Relativity & Quantum
- ECE 5 Intro to ECE
- ECE 15 Engineering Computation
- ECE 25 Intro to Digital Design
- ECE 30 Intro to Computer Eng
- ECE 35 Intro to Analog Design
- ECE 45 Circuits & Systems
- ECE 65 Components & Circuits Lab

**Upper Division Requirements**

**BREADTH**
- ECE 100 Linear Electronic Systems
- ECE 101 Linear Systems Fundamentals
- ECE 102 Intro Active Circuit Design
- ECE 103 Fundamentals/Devcs & Matrls
- ECE 109 Eng. Probability & Stats

**COMPUTER SYSTEM DESIGN DEPTH**
- CSE 141 Intro to Computer Architecture
- ECE 165 Digital Integrated Circuit Design and two of
  - ECE 111 Advanced Digital Design Project
  - ECE 158A Data Networks I
  - CSE 143 Microelectronic System Design
- Design Course: ECE 191 or 190

**ELECTIVES**
- 5 Technical
- 2 Professional
<table>
<thead>
<tr>
<th>Year 1</th>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ECE 5 or ECE 15</td>
<td>ECE 15 or ECE 5</td>
<td>ECE 30</td>
</tr>
<tr>
<td></td>
<td>ECE 25</td>
<td>ECE 45</td>
<td>ECE 65</td>
</tr>
<tr>
<td></td>
<td>ECE 35</td>
<td>PHYS 2D</td>
<td>MATH 20E</td>
</tr>
<tr>
<td>Year 2</td>
<td>ECE 100</td>
<td>ECE 102</td>
<td>ECE 107</td>
</tr>
<tr>
<td></td>
<td>ECE 101</td>
<td>ECE 109</td>
<td>ECE 165</td>
</tr>
<tr>
<td></td>
<td>ECE 103</td>
<td>Tech. Elective 1</td>
<td>Prof. Elective 1</td>
</tr>
<tr>
<td>Year 3</td>
<td>ECE 164</td>
<td>Tech. Elective 2</td>
<td>Tech. Elective 5</td>
</tr>
<tr>
<td></td>
<td>ECE 166</td>
<td>Tech. Elective 3</td>
<td>Design</td>
</tr>
<tr>
<td></td>
<td>Prof. Elective 2</td>
<td>Tech. Elective 4</td>
<td></td>
</tr>
</tbody>
</table>

**MAJOR REQUIREMENTS**

**Lower Division Requirements**
- CHEM 6A General Chemistry I
- PHYS 2A Mechanics
- PHYS 2B Electricity and Magnetism
- PHYS 2C Flu,Wav,Thrmdyn,Optics
- PHYS 2D Relativity & Quantum
- ECE 5 Intro to ECE
- ECE 15 Engineering Computation
- ECE 25 Intro to Digital Design
- ECE 30 Intro to Computer Eng
- ECE 35 Intro to Analog Design
- ECE 45 Circuits & Systems
- ECE 65 Components & Circuits Lab

**Upper Division Requirements**

**BREADTH**
- ECE 100 Linear Electronic Systems
- ECE 101 Linear Systems Fundamentals
- ECE 102 Intro Active Circuit Design
- ECE 103 Fundamentals/Devices & Matls
- ECE 107 Electromagnetism
- ECE 109 Eng. Probability & Stats

**ELECTRONIC CIRCUITS & SYSTEMS DEPTH**
- ECE 164 Analog Integrated Circuit Design
- ECE 165 Digital Integrated Circuit Design
- ECE 166 Microwave Systems and Circuits

- Design Course: ECE 111, 191, or 190

**ELECTIVES**
- 5 Technical
- 2 Professional

**PLEASE NOTE:**
- All courses used to satisfy major requirements must be taken for a LETTER GRADE and completed with a C– or better.
- These plans assume that students have completed equivalent lower division MATH, PHYS and CHEM courses at the community college that are required for the major.
- Depth courses are offered only once a year. Course offerings are subject to change.
- For personalized course plans, please set up an appointment with an advisor.
- Due to six different college requirements, only major requirements are listed.
# MAJOR REQUIREMENTS

### Lower Division Requirements

- CHEM 6A General Chemistry I
- PHYS 2A Mechanics
- PHYS 2B Electricity and Magnetism
- PHYS 2C Flu, Wav, Thrmdyn, Optics
- PHYS 2D Relativity & Quantum
- ECE 5 Intro to ECE
- ECE 15 Engineering Computation
- ECE 25 Intro to Digital Design
- ECE 30 Intro to Computer Eng
- ECE 35 Intro to Analog Design
- ECE 45 Circuits & Systems
- ECE 65 Components & Circuits Lab

### Upper Division Requirements

**BREADTH**
- ECE 100 Linear Electronic Systems
- ECE 101 Linear Systems Fundamentals
- ECE 102 Intro Active Circuit Design
- ECE 103 Fundamentals/Devices & Mattrs
- ECE 107 Electromagnetism
- ECE 109 Eng. Probability & Stats

**ELECTRONIC DEVICES & MATERIALS DEPTH**
- ECE 135A Semiconductor Physics
- ECE 135B (Electronic Devices
- ECE 136L Microelectronics Laboratory
- ECE 183 Optical Electronics

- Design Course: ECE 111, 191, or 190

### ELECTIVES

- 4 Technical
- 2 Professional

-  ________
-  ________
-  ________
-  ________
-  ________

---

**PLEASE NOTE:**
- All courses used to satisfy major requirements must be taken for a LETTER GRADE and completed with a C– or better.
- These plans assume that students have completed equivalent lower division MATH, PHYS and CHEM courses at the community college that are required for the major.
- Depth courses are offered only once a year. Course offerings are subject to change.
- For personalized course plans, please set up an appointment with an advisor.
- *Due to six different college requirements, only major requirements are listed.*
## Machine Learning & Controls Depth

<table>
<thead>
<tr>
<th>Year 1</th>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ECE 5 or ECE 15</td>
<td>ECE 15 or ECE 5</td>
<td>ECE 30</td>
</tr>
<tr>
<td></td>
<td>ECE 25</td>
<td>ECE 45</td>
<td>ECE 65</td>
</tr>
<tr>
<td></td>
<td>ECE 35</td>
<td>PHYS 2D</td>
<td>MATH 20E</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2</th>
<th>ECE 100</th>
<th>ECE 107</th>
<th>ECE 171A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ECE 101</td>
<td>ECE 109</td>
<td>Prof. Elective 1</td>
</tr>
<tr>
<td>Tech. Elective 1</td>
<td>Tech. Elective 2</td>
<td>Tech. Elective 3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3</th>
<th>ECE 171B*</th>
<th>ECE 172A*</th>
<th>ECE 175B*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ECE 174</td>
<td>ECE 175A</td>
<td>Tech. Elective 6</td>
</tr>
<tr>
<td>Prof. Elective 2</td>
<td>Tech. Elective 4</td>
<td>Design</td>
<td></td>
</tr>
</tbody>
</table>

### PLEASE NOTE:
- All courses used to satisfy major requirements must be taken for a LETTER GRADE and completed with a C– or better.
- These plans assume that students have completed equivalent lower division MATH, PHYS and CHEM courses at the community college that are required for the major.
- Depth courses are offered only once a year. Course offerings are subject to change.
- For personalized course plans, please set up an appointment with an advisor.
- Due to six different college requirements, only major requirements are listed.

### MAJOR REQUIREMENTS

#### Lower Division Requirements
- CHEM 6A General Chemistry I
- PHYS 2A Mechanics
- PHYS 2B Electricity and Magnetism
- PHYS 2C Flu,Wav,Thmdyn,Optics
- PHYS 2D Relativity & Quantum
- ECE 5 Intro to ECE
- ECE 15 Engineering Computation
- ECE 25 Intro to Digital Design
- ECE 30 Intro to Computer Eng
- ECE 35 Intro to Analog Design
- ECE 45 Circuits & Systems
- ECE 65 Components & Circuits Lab

#### Upper Division Requirements

##### BREADTH
- ECE 100 Linear Electronic Systems
- ECE 101 Linear Systems Fundamentals
- ECE 107 Electromagnetism
- ECE 109 Eng. Probability & Stats

##### MACHINE LEARNING & CONTROLS DEPTH
- ECE 171A Linear Control System Theory
- ECE 174 Intro to Linear and Nonlinear Optimization with Applications
- ECE 175A Elements of MI: Pattern Recognition & Machine Learning
- *One of: ECE 171B Linear Control System Theory, OR ECE 172A Intro to Intelligent Sys: Robotics & Machine Intelligence, OR ECE 175B Elements of MI: Probabilistic Reasoning & Graphical Models

- Design Course: ECE 111, 191, or 190

#### ELECTIVES
- 6 Technical
- 2 Professional
### Photonics Depth

<table>
<thead>
<tr>
<th></th>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ECE 5 or ECE 15</td>
<td>ECE 15 or ECE 5</td>
<td>ECE 30</td>
</tr>
<tr>
<td></td>
<td>ECE 25</td>
<td>ECE 45</td>
<td>ECE 65</td>
</tr>
<tr>
<td></td>
<td>ECE 35</td>
<td>PHYS 2D</td>
<td>MATH 20E</td>
</tr>
<tr>
<td>Year 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ECE 100</td>
<td>ECE 107</td>
<td>ECE 181</td>
</tr>
<tr>
<td></td>
<td>ECE 101</td>
<td>ECE 109</td>
<td>Tech. Elective 2</td>
</tr>
<tr>
<td></td>
<td>ECE 103</td>
<td>Tech. Elective 1</td>
<td>Prof. Elective 1</td>
</tr>
<tr>
<td>Year 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ECE 182</td>
<td>ECE 183</td>
<td>ECE 185*</td>
</tr>
<tr>
<td></td>
<td>Tech. Elective 3</td>
<td>ECE 184*</td>
<td>Tech. Elective 5</td>
</tr>
<tr>
<td></td>
<td>Prof. Elective 2</td>
<td>Tech. Elective 4</td>
<td>Design</td>
</tr>
</tbody>
</table>

### MAJOR REQUIREMENTS

#### Lower Division Requirements
- CHEM 6A General Chemistry I
- PHYS 2A Mechanics
- PHYS 2B Electricity and Magnetism
- PHYS 2C Flu, Wav, Thmdyn, Optics
- PHYS 2D Relativity & Quantum
- ECE 5 Intro to ECE
- ECE 15 Engineering Computation
- ECE 25 Intro to Digital Design
- ECE 30 Intro to Computer Eng
- ECE 35 Intro to Analog Design
- ECE 45 Circuits & Systems
- ECE 65 Components & Circuits Lab

#### Upper Division Requirements

BREADTH
- ECE 100 Linear Electronic Systems
- ECE 101 Linear Systems Fundamentals
- ECE 103 Fundamentals/Deivcs & Matri
- ECE 107 Electromagnetism
- ECE 109 Eng. Probability & Stats

PHOTONICS DEPTH
- ECE 181 Physical Optics and Fourier Optics
- ECE 182 Electromagnetic Optics, Guided-Wave, and Fiber Optics
- ECE 183 Optical Electronics
- One of: ECE 184 Optical Information Processing and Holography, OR ECE 185 Lasers and Modulators

#### Design Course
- ECE 111, 191, or 190

#### ELECTIVES
- 5 Technical
- 2 Professional

---

**PLEASE NOTE:**
- All courses used to satisfy major requirements must be taken for a LETTER GRADE and completed with a C– or better.
- These plans assume that students have completed equivalent lower division MATH, PHYS and CHEM courses at the community college that are required for the major.
- Depth courses are offered only once a year. Course offerings are subject to change.
- For personalized course plans, please set up an appointment with an advisor.
- Due to six different college requirements, only major requirements are listed.
### MAJOR REQUIREMENTS

#### Lower Division Requirements
- CHEM 6A General Chemistry I
- PHYS 2A Mechanics
- PHYS 2B Electricity and Magnetism
- PHYS 2C Flu, Wav, Thmdyn, Optics
- PHYS 2D Relativity & Quantum
- ECE 5 Intro to ECE
- ECE 15 Engineering Computation
- ECE 25 Intro to Digital Design
- ECE 30 Intro to Computer Eng
- ECE 35 Intro to Analog Design
- ECE 45 Circuits & Systems
- ECE 65 Components & Circuits Lab

#### Upper Division Requirements

**BREADTH**
- ECE 100 Linear Electronic Systems
- ECE 101 Linear Systems Fundamentals
- ECE 107 Electromagnetism
- ECE 109 Eng. Probability & Stats

**SIGNAL & IMAGE PROCESSING DEPTH**
- ECE 153 Probability and Random Processes for Engineers
- ECE 161A Intro to Digital Signal Processing
- ECE 161B Digital Signal Processing I
- ECE 161C Applications of Digital Signal Processing
- Design Course: ECE 111, 191, or 190

**ELECTIVES**

6 Technical
- [ ]
- [ ]
- [ ]

2 Professional
- [ ]
- [ ]
- [ ]

####PLEASE NOTE:
- All courses used to satisfy major requirements must be taken for a LETTER GRADE and completed with a C– or better.
- These plans assume that students have completed equivalent lower division MATH, PHYS and CHEM courses at the community college that are required for the major.
- Depth courses are offered only once a year. Course offerings are subject to change.
- For personalized course plans, please set up an appointment with an advisor.
- Due to six different college requirements, only major requirements are listed.