

EEE B.S. DEGREE CURRICULUM PATTERN - Effective Fall 2013

| Lower Division Curriculum Pattern | | | | | |
|---|-----------------------------------|---|---------------------------------|-------------------------------|---|
| First Semester Courses: | | | Second Semester Courses: | | |
| FRESHMAN | | | | | |
| ENGR 1 (96A) | Intro. to Engineering | 1 | ENGR 50 | Computational Methods & Apps. | 3 |
| MATH 30 | Calculus I | 4 | MATH 31 | Calculus II | 4 |
| CHEM 1E* | General Chemistry for Eng. | 4 | PHYS 11A | Gen Phys: Mechanics | 4 |
| | General Education | | | General Education | |
| * Chem 1A is acceptable for transfer students | | | | | |
| SOPHOMORE | | | | | |
| EEE 64 | Intro. to Logic Design | 4 | ENGL 20 | College Composition II | 3 |
| MATH 32 | Calculus III | 4 | ENGR 017 | Intro to Circuit Analysis | 3 |
| PHYS 11C | Gen Phys: Electricity & Magnetism | 4 | MATH 45 | Differential Equations | 3 |
| | General Education | | | General Education | |

Analog / Digital & Controls

| First Semester Courses: | | | Second Semester Courses: | | |
|--------------------------------|-------------------------------|-------|---------------------------------|--------------------------------|-------|
| JUNIOR | | | | | |
| EEE 117 | Network Analysis | 3 | EEE 108 | Electronics I | 3 |
| EEE 117L | Network Analysis Lab | 1 | EEE 108L | Electronics I Lab | 1 |
| ENGR 140 | Engineering Economics | 2 | EEE 174 | Intro. to Microprocessors | 4 |
| EEE 161 | Applied Electromagnetics | 4 | EEE 184 | Intro. to Feedback Systems | 3 |
| EEE 180 | Signals and Systems | 3 | EEE 130 | Electromechanical Conver. | 3 |
| | General Education | | ENGR 120 | Probability and Random Signals | 3 |
| SENIOR | | | | | |
| EEE 109 | Electronics II | 4 | EEE 193B | Design Project II | 2 |
| EEE 185 | Modern Communications Systems | 3 | See List | EEE Electives | 3 |
| EEE 193A | Design Project I | 2 | See List | EEE Electives | 3 - 4 |
| See List | EEE Electives | 3 | | General Education | |
| See List | EEE Electives | 3 - 4 | | | |

Students should refer to Class Schedules, in conjunction with General Education/Graduation Engineering Worksheet, for approved GE courses.

Courses offered are subject to change. For most accurate course planning guides refer to the website at:
<http://www.ecs.csus.edu/wcm/eee/eee%20forms.html>

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Communication

| First Semester Courses: | | | Second Semester Courses: | | |
|-------------------------|----------------------------|-------|--------------------------|-------------------------------|-------|
| JUNIOR | | | | | |
| EEE 117 | Network Analysis | 3 | EEE 108 | Electronics I | 3 |
| EEE 117L | Network Analysis Lab | 1 | EEE 108L | Electronics I Lab | 1 |
| ENGR 140 | Engineering Economics | 2 | EEE 174 | Intro. to Microprocessors | 4 |
| EEE 161 | Applied Electromagnetics | 4 | EEE 185 | Modern Communications Systems | 3 |
| EEE 180 | Signals and Systems | 3 | ENGR 120 | Probability & Random Signals | 3 |
| | General Education | | EEE 130 | Electromechanical Conver. | 3 |
| | | | | General Education | |
| SENIOR | | | | | |
| EEE 109 | Electronics II | 4 | EEE 193B | Design Project II | 2 |
| EEE 184 | Intro. to Feedback Systems | 3 | See List | EEE Electives | 3 |
| EEE 193A | Design Project I | 2 | See List | EEE Electives | 3 - 4 |
| See List | EEE Electives | 3 - 4 | | General Education | |
| See List | EEE Electives | 3 | | | |

Power

| First Semester Courses: | | | Second Semester Courses: | | |
|-------------------------|-------------------------------|-------|--------------------------|-----------------------------------|-------|
| JUNIOR | | | | | |
| EEE 117 | Network Analysis | 3 | EEE 108 | Electronics I | 3 |
| EEE 117L | Network Analysis Lab | 1 | EEE 108L | Electronics I Lab | 1 |
| ENGR 140 | Engineering Economics | 3 | EEE 141 | Power System Analysis I | 3 |
| EEE 161 | Applied Electromagnetics | 4 | EEE 130 | Electromechanical Conver. | 3 |
| EEE 180 | Signals and Systems | 3 | EEE 184 | Introduction to Feedback Systems. | 3 |
| | General Education | | EEE 174 | Introduction to Microprocessors | 4 |
| SENIOR | | | | | |
| EEE 143 | Power System Lab | 1 | EEE 192B | Elec Power Design Project II | 2 |
| EEE 142 | Power System Analysis II | 3 | See List | EEE Electives | 3 |
| EEE 185 | Modern Communications Systems | 3 | See List | EEE Electives | 3 - 4 |
| EEE 192A | Elec Power Design Project I | 2 | | General Education | 3 |
| ENGR 120 | Probability & Random Signals | 3 | | | |
| See List | EEE Elective | 3 - 4 | | | |