COMMUNICATION SYSTEMS

Lower Division (72 units)
MATH 18, 20A, 20B, 20C, 20D, 20E
PHYS 2A, 2B, 2C, 2D
CHEM 6A
ECE 5, 15, 25, 30, 35, 45, 65

Upper Division (68 units)
Breadth:
ECE 100, 101, 102, 107, 109
Depth:
ECE 153, 154A-B-C, 158A
Technical Electives:
four upper-division engineering, math, or physics courses
Professional Electives:
two upper-division courses
Design Course:
one of ECE 111, 190, or 191

COMPUTER SYSTEM DESIGN

Lower Division (72 units)
MATH 18, 20A, 20B, 20C, 20D, 20E
PHYS 2A, 2B, 2C, 2D
CHEM 6A
ECE 5, 15, 25, 30, 35, 45, 65

Upper division (68 units)
Breadth:
ECE 100, 101, 102, 103, 109
Depth:
CSE 141, ECE 165 and two of ECE 111, 158A or CSE 143
Technical Electives:
five upper-division engineering, math, or physics courses
Professional Electives:
two upper-division courses
Design:
one of ECE 111 (if not selected as a Depth course), 190, or 191

ELECTRONIC CIRCUITS & SYSTEMS

Lower Division (72 units)
MATH 18, 20A, 20B, 20C, 20D, 20E
PHYS 2A, 2B, 2C, 2D
CHEM 6A
ECE 5, 15, 25, 30, 35, 45, 65

Upper Division (68 units)
Breadth:
ECE 100, 101, 102, 103, 107, 109
Depth:
ECE 164, 165, 166
Technical Electives:
five upper-division engineering, math, or physics courses
Professional Electives:
two upper-division courses
Design:
one of ECE 111, 190, or 191
ELECTRICAL ENGINEERING
MAJOR REQUIREMENTS

ELECTRONIC DEVICES & MATERIALS

Lower Division (72 units)
MATH 18, 20A, 20B, 20C, 20D, and 20E
PHYS 2A, 2B, 2C, 2D
CHEM 6A
ECE 5, 15, 25, 30, 35, 45, 65

Upper Division (68 units)
Breadth:
ECE 100, 101, 102, 103, 107, and 109
Depth:
ECE 135A-B, 136L, 183
Technical Electives:
four upper-division engineering, math, or physics courses
Professional Electives:
two upper-division courses
Design:
one of ECE 111, 190, or 191

MACHINE LEARNING & CONTROLS

Lower Division (72 units)
MATH 18, 20A, 20B, 20C, 20D, and 20E
PHYS 2A, 2B, 2C, 2D
CHEM 6A
ECE 5, 15, 25, 30, 35, 45, 65

Upper Division (68 units)
Breadth:
ECE 100, 101, 107, 109
Depth:
ECE 171A, 174, 175A and one of ECE 171B, 172A, or 175B
Technical Electives:
six upper-division engineering, math, or physics courses
Professional Electives:
two upper-division courses
Design:
one of ECE 111, 190, or 191

PHOTONICS

Lower Division (72 units)
MATH 18, 20A, 20B, 20C, 20D, and 20E
PHYS 2A, 2B, 2C, 2D
CHEM 6A
ECE 5, 15, 25, 30, 35, 45, 65

Upper Division (68 units)
Breadth:
ECE 100, 101, 107, 109
Depth:
ECE 181, 182, 183 and either ECE 184 or 185
Technical Electives:
five upper-division engineering, math, or physics courses
Professional Electives:
two upper-division courses
Design:
one of ECE 111, 190, or 191

SIGNAL & IMAGE PROCESSING

Lower Division (72 units)
MATH 18, 20A, 20B, 20C, 20D, and 20E
PHYS 2A, 2B, 2C, 2D
CHEM 6A
ECE 5, 15, 25, 30, 35, 45, 65

Upper Division (68 units)
Breadth:
ECE 100, 101, 107, 109
Depth:
ECE 153, 161A, 161B, 161C
Technical Electives:
six upper-division engineering, math, or physics courses
Professional Electives:
two upper-division courses
Design:
one of ECE 111, 190, or 191