Electrical & Computer Engineering Department

Advising Information

APPROVED NON-MAJOR ELECTIVES

These courses fulfill the University of Louisiana General Education requirements.
The courses below apply to students in catalogs from 2018 going forward.
Requirements are similar for most students and students should consult their respective University catalog for lists that satisfy General Education requirements.

Arts Elective (3 credits)

DANC (Recommended: 101, 102, 113, 114)
DSGN 121
MUS (Recommended: 104, 105, 106, 108, 109, 130, 321, 322, 323, 324, 325, 326, 360, 364)
THEA (Recommended: 161, 261)
VIAR (Recommended: 120, 121, 122)

Biology Elective (3 credits)

BIOL (Recommended: 110, 111, 121, 122, 300)

History Elective (3 credits)

HIST (Recommended: 100, 101, 102, 221, 222, 307, 321, 322, 330, 343, 351, 352, 355,)

Literature Elective (3 credits)

ENGL (Recommended: 201, 202, 205, 206, 210, 211, 212, 312, 319, 320, 332, 333, 341, 342, 350, 370, 371, 380, 381)
FREN (Recommended: 302, 311, 322, 392)
GERM (Recommended: 311)
HUMN (Recommended: 151, 152, 200)
SPAN (Recommended: 302, 320, 340)
Or choose any Literature or Literature-centered Humanities (HUMN) course.

Science Lab (1 credits)

PHYS (215 or 216**)** or **CHEM (**112 or 115**)** or **BIOL (**112, 113, 123, or 124**)**

Social/Behavioral Science (3 credits in addition to ECON 430)

ANTH (Recommended: 100, 201, 202, 203)
CJUS (Recommended: 101, 203, 205)
ECON (Recommended: 201, 202, 300)
GEOG (Recommended: 103, 104, 380)
POLS Any course (Recommended: 110, 220, 360, 370,)
PSYC (Recommended: 110, 220, 255, 311, 312, 370)
SOCI (Recommended: 100, 241)
Or choose any ANTH, CJUS, ECON, GEOG, POLS, PSYC, SOCI, or other social behavioral science course.

EECE ELECTIVES

Students must pick (12 credit hours) four 3 credit EECE, CMPS, or MATH elective courses listed.

EECE 430G - Digital Signal Processing
EECE 431G - Intelligent Cyber Physical System
EECE 432G - Cyber-Secured System Engineering
EECE 433G - Data Engineering
EECE 434G - Data Communications
EECE 435G - Wireless Communications
EECE 436G - Introduction to Embedded Systems
EECE 437 - Power Electronics
EECE 438G - Green Renewable Energy
EECE 448 - Smart Power Grids
EECE 450 - Power Systems
EECE 451 - Digital Electronics
EECE 454G - Introduction to VLSI Design
EECE 456G - Flexible Microelectronic Devices and Systems
EECE 457G - Introduction to RFID Devices and Systems
EECE 458G - Communications Engineering II
EECE 459 - Computer Hardware Design
EECE 464G - Internet of Things Systems and Applications
EECE 466G - Communications Networks
EECE 470 - Physical Electronics II
EECE 472G - Special Topics
EECE 479 - Computer Control
CMPS 261 - Advanced Data Structures and Software Engineering
CMPS 341 - Foundations of Computer Science
CMPS 455G - Operating Systems
MATH 362 - Elementary Linear Algebra

Students must pick (1 credit hours) of EECE laboratory course.

EECE 442 - Computer Control Laboratory
EECE 453 - Communications Engineering Laboratory

Computer Engineering Concentration

Students must complete the following EECE elective courses:

CMPS 261 - Advanced Data Structures and Software Engineering
EECE 442 - Computer Control Laboratory
EECE 459 - Computer Hardware Design
CMPS 455G - Operating Systems
EECE 433G, 434G, or 454G

EECE 443 (Design I Prerequisite Requirements

Completion of all EECE, CMPS, MATH, and PHYS courses in the curriculum up through all 300 level courses, excluding MATH 302 and EECE 344.

Requirements for Upper Division Status

Earn a minimum of 60 credit hours of non-remedial coursework with a minimum grade point average of 2.0. Students must earn a minimum grade of “C” in all EECE and ENGR courses and all courses that are prerequisites to those EECE and ENGR courses that apply to their degree. Students must also maintain a

minimum **major** grade point average of 2.0, which is computed based upon all required EECE and ENGR courses.