

Division of Electrical and Computer Engineering
Louisiana State University

These requirements are for the 2021-22 catalog year. Refer to previous versions of this document to find the requirements for previous catalog years.

ELECTIVE COURSES: Curriculum in Computer Engineering

Elective courses in computer engineering are intended to achieve the following:

1. Round out the design requirements of the BS degree. This is accomplished by taking a minimum number of hours of 4xxx level EE courses designated by the division as having significant (at least 2/3rd) design content.
2. Allow students to emphasize a particular area in computer engineering by taking courses in that area.

Breadth Electives (3 hours required)

Refer to Flowchart for their Fall/Spring semester offering

EE 3160 EE 3220 EE 3320 EE 3410 EE 3530 EE 3610

Design Electives (6 hours required)

Select six hours from the following courses

EE 4162 EE 4240 EE 4242 EE 4250 EE 4702 EE 4730
EE 4745 EE 4750 EE 4770 EE 4780 EE 4859

Technical Electives (6 hours required)

Group I (3 hours from Group I)

- a) Any non-required 47xx course, EE 4625, EE 4660, any extra breadth elective
- b) EE 4060 and EE 4061 – if and only if the student is pursuing Accelerated MS Program
<https://www.lsu.edu/eng/ece/academics/undergraduate/minors-acceleratedmasters/masters.php>

Group II (3 hours from Group II or I)

- a) EE 3060 and EE 3061, EE 3070
- b) CSC 3304, CSC 3380, CSC 4243, CSC 4330, CSC 4351, CSC 4356, CSC 4444, CSC 4890
- c) ENGR 4100, ENGR 4200
- d) IE 3201, IE 4425, IE 4426, IE 4462, IE 4485, IE 4540
- e) MATH 4023, MATH 4025, MATH 4065, MATH 4066, MATH 4171, MATH 4172, MATH 4200, MATH 4201, MATH 4470
- f) ME 3333
- g) ChE 4270
- h) The Curricula Committee may approve other 3xxx or 4xxx level non-EE LSU courses (check with the UA/Chair with the current syllabus prior to enrolling the course)

ELECTIVE COURSES: Curriculum in Electrical Engineering

Elective courses in electrical engineering are intended to achieve the following:

1. Round out the design requirements of the BS degree. This is accomplished by taking a minimum number of hours of 4xxx level EE courses designated by the division as having significant (at least 2/3rd) design content.
2. Allow students to emphasize a particular area in electrical engineering, such as electronics, energy, or systems and signal processing by taking courses in that area.

Breadth Electives (18 hours required)

- Students must select courses from at least FOUR of FIVE groups
- EE 3000, EE 3001 are special topic courses that can be breadth electives. The group to which a particular offering belongs depends on the topic.
Group 1: EE 3160
Group 2: EE 3220, EE 3223, EE 3232
Group 3: EE 3410
Group 4: EE 3530
Group 5: EE 3710, EE 3752, EE 3755

Design Electives (9 hours required)

Check LSU catalog for the prerequisites

EE 4002	EE 4240	EE 4270	EE 4422	EE 4490	EE 4702	EE 4750	EE 4780
EE 4003	EE 4242	EE 4350	EE 4450	EE 4580	EE 4730	EE 4755	EE 4859
EE 4162	EE 4250	EE 4412	EE 4460	EE 4585	EE 4745	EE 4770	

Technical Electives (9 hours required)

Group I (3 hours from Group I)

Any EE 4xxx course, Extra breadth elective course

Group II (3 hours from Group II or I)

- a) EE 3060 and EE 3061, EE 3070
- b) CSC 4356
- c) ME 3133
- d) MATH 4023, MATH 4025, MATH 4036, MATH 4038, MATH 4153
- e) The Curricula Committee may approve other 3xxx or 4xxx level non-EE LSU courses (check with the UA/Chair with the current syllabus prior to enrolling the course)

Group III (3 hours from Group III or II or I)

- a. ChE 4270
- b. ME 3333
- c. ENGR 4100, ENGR 4200
- d. IE 3201, IE 4425, IE 4426, IE 4462, IE 4485
- e. The Curricula Committee may approve other 3xxx or 4xxx level non-EE LSU courses (check with the UA/Chair with the current syllabus prior to enrolling the course)