

Table A.6
Electrical and Computer Engineering (ECE) Major
 Course plan for students in the Focus program

The Focus program is an opportunity for first year students to study topics in depth. For more information about the program, please visit the [Focus Program website](#).

These sample programs below illustrate two possible courses of study for Focus participation in the fall semester of the freshman year depending upon the number and distribution of AP credits. Students with different AP credits may have different options.

First Year Schedule for Matriculants with AP Credit in Math or Chemistry

Students can follow the [standard ECE major program of study](#) beginning in the sophomore year. The two Focus Seminars take the place of two Free Electives, and the fifth Social Science or Humanities elective takes the place of one Free Elective.

First Year	
Fall Semester	Spring Semester
EGR 103L (53L) Computational Methods in Engineering	ECE 110L (27L) Fundamentals of ECE
Math 111L (31L) Introductory Calculus I or Chem 101DL (31L) Core Concepts in Chemistry	Math 112L (32L) Introductory Calculus II
Focus Seminar 1	Physics 151L (61L) Introductory Mechanics ¹
Focus Seminar 2	Writing 101(20)
Focus Interdisciplinary Discussion Course (0.5 credit)	

1. See also the Physics requirements on [p.5](#).

First Year Schedule for Matriculants with AP Credit in Math and Chemistry

Students can follow the [standard ECE major program of study](#) beginning in the sophomore year. The two Focus Seminars take the place of two Free Electives, and the fifth Social Science or Humanities elective takes the place of one additional Free Elective. In addition, the courses in the Math sequence can be taken one semester earlier than in the ECE sample program.

First Year	
Fall Semester	Spring Semester
EGR 103L (53L) Computational Methods in Engineering	ECE 110L (27L) Fundamentals of ECE
Math 122L (41L) Calculus II	Math 212 (103) Multivariable Calculus
Focus Seminar 1	Physics 151L (61L) Introductory Mechanics ¹
Focus Seminar 2	Writing 101(20)
Focus Interdisciplinary Discussion Course (0.5 credit)	

1. See also the Physics requirements on [p.5](#).