

# Electrical Engineering Track

## Related Areas:

Electrical/Electronics Engineering, Computer Engineering, Computer Integrated Manufacturing, Electro-Mechanical Engineering, Biomedical Engineering, Electrical Engineering Technology

- This program is for students who want to receive their engineering education at an institute which is closely affiliated with hometown industries. It also provides a personalized learning environment to ensure greater success in the future.

(\*\*See Note: Developmental Studies, COL 103 & EGR 102)

### First Semester - Fall

CHM	110	College Chemistry I*	4.0
EGR	269	Engineering Disciplines & Skills	2.0
ENG	101	English Composition I*	3.0
MAT	140	Analytical Geometry & Calculus I*	4.0
		Humanities/Social Science Elective**	3.0

### Second Semester - Spring

ECE	211	Introduction to Computer Engineering I	3.0
EGR	270	Introduction to Engineering	3.0
ENG	102	English Composition II*	3.0
MAT	141	Analytical Geometry & Calculus II*	4.0
PHY	221	University Physics I*	4.0

### Third Semester - Summer

ECE	212	Introduction to Computer Engineering II	3.0
PHY	222	University Physics II*	4.0
SPC	205	Public Speaking*	3.0

### Fourth Semester - Fall

ECE	221	Introduction to Electrical Engineering I	3.0
CPT	234	C Programming I	3.0
CHM	111	College Chemistry II*	4.0
MAT	240	Analytical Geometry & Calculus III*	4.0
		Humanities/Social Science Elective**	3.0

### Fifth Semester - Spring

ECE	205	Electrical & Computer Lab I	3.0
ECE	222	Introduction to Electrical Engineering II	3.0
MAT	242	Differential Equations*	4.0
		Humanities Elective**	3.0
		Social Science Elective**	3.0

\* General education course

**NOTE:** The course schedule listed above is designed for students who begin the program with ENG 101 and MAT 140 based on the placement test. Students that are taking pre-requisite courses for MAT 140 should also take the following courses: COL 103 for students taking MAT 100 and/or EGR 102 for students who are taking MAT 105.

**NOTE:** See General Education course listing in this catalog for courses marked that are acceptable to transfer as Humanities or Social Science electives to Clemson. Note that engineering majors at Clemson require at least one of the Humanities/Social Science electives to be a literature course; one Humanities course that meets Cultural Awareness understanding; and one Social Science course that meets Science and Technology in Society awareness. Since requirements can change at other institutions at any time, it is well advised for students to get in touch with the department head of the program you wish to transfer into to ensure you are meeting the correct requirements for entrance into that program.

**NOTE:** Please contact program advisor for recommended evening schedules.