



TRANSFER CREDIT GUIDE: COLLEGE OF ENGINEERING AND COMPUTING

If you are a South Carolina technical college student who plans to transfer to the University's College of Engineering and Computing to *pursue a major other than computer science*, you should consider the following courses as you schedule your technical college classes. The courses listed below will transfer to degree programs within the College of Engineering and Computing. This list does not include every technical college course that is available for transfer to USC. You are not required to take all courses listed prior to transferring. Rather, it is a guide for you and your advisors.* You should be aware that courses must be passed with a *grade of C or higher* in order to be considered for transfer credit. **You must have a GPA of 2.75 and have taken at least one semester of calculus (MAT, 140 the first in a calculus sequence which includes trigonometric functions) to be considered for admission.** Please review admissions requirements at www.sc.edu/admissions.

College of Engineering and Computing Course Equivalents

Technical College Courses

Liberal Arts Courses:

- 1) ENG 101 and 102
- 2) One of the following: ART 101, 105, 107, 108; MUS 105; THE 101
- 3) Any HIS
- 4) Other Liberal Arts Courses. See your advisor for directions in choosing this course work.

Required Math and Science Courses:

CHM 110; MAT 140, 141, 240, 242; PHY 221

Other Required Courses*:

- A. Chemical Engineering: CHM 111, 211, and 212; PHY 222; and EGR 270 and 266.
- B. Civil and Environmental Engineering: EGR 260, 262, 264, and 275; ECE 221 or EGR 266. BIO 101, CHM 111, and PHY 222 may be used as science electives.
- C. Computer Engineering: PHY 222; ECE 205, 211, 212, 221, 222, 240 and 245; EGR 281 and 283.
- D. Electrical Engineering: PHY 222, ECE 101, 102, 211, 212, 221, and 222; EGR 281 and 283.
- E. Mechanical Engineering: CHM 111; PHY 222; EGR 260, 262, 264, 266, 270, and 275; ECE 221.

* EGR and ECE courses from Greenville, Midlands, Trident, and York Technical Colleges only.

Liberal Arts Courses:

- 1) ENGL 101 and 102 (6 hours)
- 2) One of the following: ARTE 101; FILM 100; ARTH105, 106; MUSC 110, THEA 200 (3 hours)
- 3) One History (3 hours)
- 4) Other Liberal Arts Courses

Required Math and Science Courses:

CHEM 111; MATH 141, 142, 241, 242; PHYS 211 and 211L (20 hours)

Other Required Courses:

- A. Chemical Engineering: CHEM 112, 333, 331L, 334, and 332L; PHYS 212 and 212L; ENGR 101, 290
- B. Civil and Environmental Engineering: ECIV 111, 200, 210, and 220; ELCT 221 or ENGR 290. BIOL 101 and 101L, CHEM 112, and PHYS 212 and 212L may be used as science electives.
- C. Computer Engineering: PHYS 212 and 212L; ELCT 201, 221 and 222; CSCE 145, 146, 211, 212, 240 and 245.
- D. Electrical Engineering: PHYS 212 and 212L; ELCT 101, 102, 221, 222; CSCE 145, 146, 211, and 212.
- E. Mechanical Engineering: CHEM 112; PHYS 212 and 212L; ENGR 101; EMCH 111; 200, 210, 260, and 290; and ELCT 221



www.sc.edu



Technical College Courses

Foreign Language Courses:

All students must demonstrate proficiency in one foreign by scoring a "2" or higher on the USC foreign language proficiency test.