1. Physics 200, 201, 202, 220, 310, and 419
2. Mathematics 201 and 202
3. Computer Science 212
4. Chemistry 101 and 102

Students must complete a minor in either Physical Sciences or Business Administration. A minor in Physical Sciences requires 11 semester hours, including Math 203 and a minimum of eight semester hours from the following: Physics 301, 302, 306, 312, 314, or 316 (any 300-level physics course, except for 310) or Chemistry 201, 202, 203, or 301. A minor in Business Administration requires 18 semester hours. See the requirements for the minor in Business Administration in the "School of Business" section of this catalog.

Approximately 40 semester hours toward the Bachelor of Science in Engineering Technology are earned at Florence-Darlington Technical College or any other technical college in South Carolina.

The technical college required classes are the following:
EGR 120 and 194
EGT 101, 105, and 150
CET 105, 125, 205, 216, 218, 235, 240, 246, 250, and 255

B. Engineering Technology (Electronic)
A major in engineering technology (electronic) requires completion of the following:

1. Physics 200, 201, 202, 220, 314, and 419
2. Mathematics 201 and 202
3. Computer Science 212
4. Chemistry 101 and 102

Students must complete a minor in either Physical Sciences or Business Administration. A minor in Physical Sciences requires 11 semester hours, including Math 203 and a minimum of eight semester hours from the following: Physics 301, 302, 306, 310, 312, or 316 (any 300-level physics course, except for 314) or Chemistry 201, 202, 203, or 301. A minor in Business Administration requires 18 semester hours. See the requirements for the minor in Business Administration in the "School of Business" section of this catalog.

Approximately 44 semester hours toward the Bachelor of Science in Engineering Technology are earned at Florence-Darlington Technical College or any other technical college in South Carolina.

The technical college required classes are the following:
EGR 120
EGT 151
EET 113, 114, 131, 145, 218, 220, 231, 235, 243, 251, and 273

DUAL-DEGREE PROGRAM IN ENGINEERING WITH CLEMSON UNIVERSITY

Coordinator: Dr. David Peterson

Students enrolled in a liberal arts or science program at FMU who wish to prepare for a career in engineering may do so through a cooperative program between FMU and Clemson University. Under this program, it is anticipated that a student will spend three years at FMU in a special pre-engineering curriculum and two years at Clemson University studying an engineering discipline. Upon successful completion of this program, the student will receive a Bachelor of Science degree in an engineering discipline from Clemson University and a Bachelor of Science (or Arts) degree in an appropriate field from FMU. Clemson University guarantees admission for students who earn a C or better in all courses in the dual-degree curriculum and have a grade point average of 2.5 or better at FMU.

Upon transfer to Clemson University, the following engineering majors are available to students who participate in the Dual Degree Program in Engineering With Clemson University:

Biosystems Engineering	Electrical Engineering
Computer Engineering	Industrial Engineering
Chemical Engineering	Material Science and Engineering
Civil Engineering	Mechanical Engineering

A. A minimum of 86 hours must be completed with a grade of C or above in each course. (A course may be retaken to improve the grade to C or better, but grades in all courses will be considered by Clemson University in determining a student's grade point average.)

B. All General Education Requirements at Francis Marion University must be met. However, in order to simultaneously satisfy a General Education Requirement at Clemson University, one of the following courses should be taken at FMU: Music 101; History 205; or Philosophy and Religious Studies 202.

C. In addition, the following courses must be completed (some of these may be included as part of the General Education Requirements):

1. Physics 200, 201, 202, 220, 314
2. Mathematics 201, 202, 203, 301, 306
3. Chemistry 101, 102
4. Computer Science 226
5. Economics 203, 204

D. A minimum of seven hours of electives must be selected in consultation with advisers at Clemson University and Francis Marion University.

The selection will be influenced by the student's choice of engineering major. Recommended courses include the following:

1. Physics 301, 306, 310, 312, 406
2. Mathematics 304, 305, 312, 425
3. Computer Science 227
4. Chemistry 201, 202 (Chemical Engineers only)

During the first three years at FMU, a student participating in the dual-degree program must complete a form titled, "Intention to Pursue the Dual-Degree Program at Clemson University," and send it to the Associate Dean of Engineering in the College of Engineering at Clemson University. Formal application for admission to Clemson University should be made during the fall semester of the third year at FMU. In order to smooth the transition into engineering and to prepare the student to finish an engineering degree in two years at Clemson, it is recommended that the student complete two courses in engineering (selected in consultation with advisers at Clemson University and FMU) during one summer session at Clemson University before transferring.

Upon completion of an engineering curriculum at Clemson University and upon the student's submitting a satisfactory transcript of grades to FMU, the student will be awarded a Bachelor of Science degree in an engineering discipline from Clemson University and a Bachelor of Science (or Arts) degree in an appropriate field from FMU.