

Engineering Technology

Engineering Technology is a profession in which knowledge of applied mathematics, natural sciences, and engineering methods gained by higher education and practice is used for the development of technological advances and for applications of existing technology to various industries. An Engineering Technology program is different from a classical engineering one in that it is devoted primarily to the utilization of available engineering techniques and methods to solve practical technological problems.

Engineering Technology Concentrations

Students must elect to study one of the Engineering Technology Concentrations: Computer Engineering Technology, Construction Engineering Technology, Energy Engineering Technology, Industrial Engineering Technology, or Mechanical Engineering Technology. A Bachelor of Science degree will be awarded upon successful completion of the required course work, which includes the Engineering Technology core curriculum, the required curriculum for each individual concentration, and the relevant technical electives.

Major

There are 27 credit hours of required Engineering Technology courses, 30 to 33 credit hours of concentration required courses, and an additional six to nine credit hours of technical elective courses required for the Bachelor of Science degree in Engineering Technology for a minimum of 66 hours of Engineering Technology.

**Curriculum in Engineering Technology
Leading to the Degree of Bachelor of Science
Industrial Engineering Technology Concentration**

FIRST YEAR

FIRST SEMESTER	S.H.	SECOND SEMESTER	S.H.
†Engineering Technology 100.....	3	†Engineering Technology 150.....	3
†Engineering Technology 202.....	3	English 102.....	3
English 101.....	3	Math 200.....	5
†Industrial Technology 111.....	3	Physics 191.....	3
Math 165 ¹	3	Physics 193.....	1
Southeastern 101.....	0-3		
	-----		-----
	15-18		15

SECOND YEAR

†Engineering Technology 241.....	3	†Engineering Technology 213.....	3
†Occupational Safety 111.....	3	†Engineering Technology 283.....	3
Mathematics 241.....	3	History 101, 102, 201, or 202.....	3
English 230, 231, or 232.....	3	English 322.....	3
Chemistry 121.....	3	Physics 192.....	3
Chemistry 123.....	1	Physics 194.....	1
	-----		-----
	16		16

THIRD YEAR

†Engineering Technology 357.....	3	†Engineering Technology 305.....	3
†Engineering Technology 390.....	3	†Engineering Technology 353.....	3
†Industrial Technology 407.....	3	†Industrial Technology 308.....	3
Communication 211.....	3	†Industrial Technology 405.....	3
General Biology 151.....	3	Social Science ²	3
Biology Lab 152.....	1		
	-----		-----
	16		15

FOURTH YEAR

†Engineering Technology 492.....	3	†Engineering Technology 463.....	3
†Engineering Technology 493.....	2	†Engineering Technology 465.....	3
†Industrial Technology 402.....	3	†Engineering Technology 490.....	1
†Industrial Technology 406.....	3	†Engineering Technology 494.....	3
Social Science ²	3	Music, Art, Theater, or Dance.....	3
†Technical Elective I ³	3	†Technical Elective II ³	3
	-----		-----
	17		16

Total Semester Hours Required..... 126-129

Southeastern 101 is not required of transfer or readmitted Southeastern students with 30 hours or more.

¹ Math 161 may be used as an elective for those students whose Math ACT score is insufficient for direct entry into Math 165. Students with an ACT Math score of 20 or lower will take Math 155 (five credit hours) in place of Math 161, which will increase two credit hours the total number of hours required for the degree.

² Economics, Psychology, Anthropology, Sociology or Political Science.

³ Technical electives should be selected by students in consultation with their advisor.

†A grade of “C” or better is required in all major courses; an overall GPA of 2.0 is required to graduate.