

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

**FIRST YEAR**

<b>FIRST SEMESTER</b>	S.H.	<b>SECOND SEMESTER</b>	S.H.
+ Eng. Tech. 100 (Intro. Eng Tech) .....	3	Industrial Technology 111(Engineering Drafting) ..	3
Math 165 (Pre-Calculus with Trig) .....	3	Math 200 (Calculus I) .....	5
Chemistry 121 (General Chemistry) .....	3	Physics 191 (General Physics I).....	3
Chemistry 123 (General Chemistry Lab) .....	1	Physics 193 (General I Lab).....	1
English 101 (Freshman Composition).....	3	+ Eng. Tech. 202 (Computer Applications) .....	3
Southeastern 101 <sup>1</sup> (Freshman Success)	0-3		—
	—		15
	13 -16		

**SECOND YEAR**

+ Eng. Tech. 212 (Introduction to Programming ...)	3	English 322 (Technical Writing).....	3
English 102 (Critical Read & Writing) .....	3	+ Eng. Tech. 205 (Math. Methods for Engineering)3	3
+ Eng. Tech. 241 (Strength of Materials).....	3	+ Eng. Tech. 271 (Engineering Statics) .....	3
Biology 151 (General Biology).....	3	+ Eng. Tech. 283 (Manufacturing Processes) .....	3
Physics 192 (General Physics II) .....	3	English 230, 231 or 232 .....	3
Physics 194 (General Physics II Lab) .....	1		—
	—		15
	16		

**THIRD YEAR**

+ Eng. Tech. 213 (Electrical Circuits).....	3	+ Eng. Tech. 305 (Human Factors Engineering).....	3
+ Eng. Tech. 375 (Applied Thermodynamics).....	3	+ Eng. Tech. 376 (Applied Fluid Mechanics) .....	3
+ Eng. Tech. 390 (Engineering Economics) .....	3	+ Eng. Tech. 385 (Mechanical Design).....	3
+ Eng. Tech. 381 (Engineering Materials).....	3	Industrial Technology (IT 407) .....	3
+ Eng. Tech. 371 (Engineering Dynamics).....	3	Communication 211 .....	3
	—	+ Eng. Tech. 386 (Machines and Controls).....	3
	15		—
			18

**FOURTH YEAR**

+ Eng. Tech. 478 (HVAC) .....	3	+ Eng. Tech. 490 (Seminar) .....	1
+ Eng. Tech. 492 (Project Management) .....	3	+ Eng. Tech. 494 (Senior Design II) .....	3
Technical Elective I <sup>2</sup> .....	3	Technical Elective II <sup>2</sup> .....	3
Occupational Safety 111 .....	3	History 101, 102, 201 or 202.....	3
Social Science <sup>3</sup> .....	3	Social Science <sup>3</sup> .....	3
+ Eng. Tech. 493 (Senior Design I) .....	2	Music, Art, Theater, or Dance.....	3
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	17		16

**Total Semester Hours**

**Required.....125-128**

<sup>1</sup>Southeastern 101 is not required of transfer or readmitted Southeastern students with 30 hours or more.

<sup>2</sup>Technical electives should be selected by students in consultation with their advisor.

<sup>3</sup>Economics, Psychology, Anthropology, Sociology or Political Science.

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