

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

FIRST YEAR

FIRST SEMESTER	S.H.	SECOND SEMESTER	S.H.
+ Eng. Tech. 100 (Intro. Eng Tech.....)	3	Math 200 (Calculus I)	5
Math 165 (Pre-Calculus with Trig	3	English 102 (Critical Reading & Writing)	3
Chemistry 121 (General Chemistry I.....)	3	Physics 191 (General Physics I).....	3
Chemistry 123 (General Chemistry I Lab.....)	1	Physics 193 (General Physics I Lab).....	1
English 101 (Freshman Composition.....)	3	+ Eng. Tech. 212 (Intro to Programming).....	3
Southeastern 101	0-3		15

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SECOND YEAR

+ Eng. Tech. 213 (Electrical Circuits).....	3	+ Eng. Tech. 226 (Electronics II)	3
+ Eng. Tech. 221 (Progrrmng for Technologists)..	3	+ Eng. Tech. 205 (Math. Methods for Eng.)	3
Physics 192 (General Physics II)	3	+ Eng. Tech. 361 (Solar Thermal systems).....	3
Physics 194 (General Physics Lab II)	1	Biology 151 (Gen. Biology).....	3
+ Eng. Tech. 225 (Electronics I).....	3	+ Eng. Tech. 202 (Computer Applications)	3
+ Eng. Tech. 375 (Applied Thermodynamics).....	3		15

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THIRD YEAR

Industrial Tech. 111 (Engineering Drafting).....	3	+ Eng. Tech. 305 (Human Factors Engineering)...	3
+Eng. Tech. 365 (Power Electronics)	3	+ Eng. Tech. 363 (Photovoltaics)	3
+ Eng. Tech. 390 (Engineering Economics)	3	Occupational Safety 111	3
English 322 (Technical Writing)	3	History 101, 102, 201, or 202.....	3
Music, Art, Theater, or Dance	3	Communication 211	3
Social Sciences ³	3	+ Eng. Tech. 241 (Intro. Engineering Materials) ..	3
	18		18

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FOURTH YEAR

Industrial Tech. 407 (Statist. Quality Assurance)3	3	+ Eng. Tech. 494 (Senior Design II)	3
+ Technical Elective I ²	3	Social Sciences ³	3
+ Technical Elective II ²	3	+ Eng. Tech. 490 (Seminar)	1
+ Eng. Tech. 492 (Project Management)	3	+ Eng. Tech. 431 (Power Transmission lines)	3
+ Eng. Tech. 493 (Senior Design I)	2	+ Technical Elective III ²	3
+ Eng. Tech. 410 (Signals and Systems).....	3	English 230, 231, or 232	3
	17		16

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Total Semester Hours Required.....128-131

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

²Technical electives should be selected by students in consultation with their advisor.

³Economics, 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.