

ELECTRONIC ENGINEERING TECHNOLOGY – A.A.S. Degree Program

A TAC of ABET ACCREDITED ENGINEERING TECHNOLOGY CURRICULUM

REQUIREMENTS FOR THE A.A.S. DEGREE

GENERAL EDUCATION CORE REQUIREMENTS		Credits
EN-101, 102	English Composition I, II.....	6
MA-114*	College Algebra and Trigonometry for Technical Students.....	4
MA-128*	Calculus for Technical and Business Students.....	4
PH-201†§, 202†	General Physics I, II.....	8
SS- or HI-	Electives in Social Science or History (HI-100 series).....	6
<i>Sub-total</i>		28

REQUIREMENTS FOR THE MAJOR

ET-110	Electric Circuit Analysis I.....	4
ET-140	Sinusoidal and Transient Circuit Analysis.....	3
ET-210§, 220	Electronics I, II.....	8
ET-230§	Telecommunications I.....	4
ET-320§	Electrical Controls Systems.....	3
ET-410	Electronic Project Laboratory.....	1
ET-501	Computer Applications.....	1
ET-509	C++ Programming for Embedded Systems.....	1
ET-510§	Introduction to Digital Computers.....	4
ET-560§	Microprocessors and Microcomputers.....	4
<i>Sub-total</i>		33

ELECTIVES

_____	ET electives††.....	3
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Total Credits Required64

Note: On the basis of a Speech Placement Test administered to all students upon admission, up to two semesters of remedial speech may be required.

* Students may substitute MA-440 and 441 in place of MA-114, 128.

† Physics 301, 302 or 411, 412, 413 courses may be substituted for PH-201, 202.

†† Elective credits for the Electronic Engineering Technology program may be chosen from ET-305, 481, 490, 502, 503, 504, 505, 506, 507, 701, 704, 705, 706, 707, 710, 712, 720, 991, 992, 993 (see Course Descriptions).

§ Sections of this course denoted as “WI” may be taken to partially satisfy the Writing Intensive Requirement.

Two (2) Writing Intensive classes are required for the Associate degree. See page 69.

SUGGESTED SEQUENCE OF COURSES

Semester 1		Credits
MA-114*	College Algebra and Trigonometry for Technical Students.....	4
ET-110	Electric Circuit Analysis I.....	4
ET-501	Computer Applications.....	1
ET-510§	Introduction to Digital Computers.....	4
EN-101	English Composition I.....	3
<i>Sub-total</i>		16

Semester 2

MA-128*	Calculus for Technical and Business Students.....	4
ET-140	Sinusoidal and Transient Circuit Analysis.....	3
ET-210§	Electronics I.....	4
ET-509	C++ Programming for Embedded Systems.....	1
SS- or HI-	Electives in Social Science or History (HI-100 series).....	3
<i>Sub-total</i>		15

Semester 3

ET-220	Electronics II.....	4
EN-102	English Composition I.....	3
ET-560§	Microprocessors and Microcomputers.....	4
_____	ET elective†.....	1
PH-201§	General Physics I.....	4
<i>Sub-total</i>		16

Semester 4

ET-230§	Telecommunications I.....	4
ET-410	Electronic Project Laboratory.....	1
ET-320§	Electrical Controls Systems.....	3
PH-202	General Physics II.....	4
SS- or HI-	Electives in Social Science or History (HI-100 series).....	3
_____	ET elective†.....	2
<i>Sub-total</i>		17

Total Credits Required64