

Electrical and Computer Engineering Technology

Associate of Applied Science Degree

EE13

This program is accredited by the Engineering Technology Accreditation Commission of ABET (www.abet.org).

Curriculum

General Education Core	19
Area I: Language Arts/Communication	3
ENGL 1101 Composition and Rhetoric (3)	
Area II: Social/Behavioral Sciences <i>(Choose ONE course below.)</i>	3
ECON 1101 Principles of Economics (3)	
ECON 2105 Principles of Macroeconomics (3)	
ECON 2106 Principles of Microeconomics (3)	
HIST 1111 World History I (3)	
HIST 1112 World History II (3)	
HIST 2111 American History I (3)	
HIST 2112 American History II (3)	
POLS 1101 American Government (3)	
PSYC 1101 Introduction to Psychology (3)	
SOC 1101 Introduction to Sociology (3)	
Area III: Natural Sciences / Mathematics	7
MATH 1111 College Algebra (3)	
PHYS 1111 Introductory Physics I (3) + PHYS 1111L Introductory Physics I Lab (1)	
Area IV: Humanities/Fine Arts <i>(Choose ONE course below.)</i>	3
ARTS 1101 Art Appreciation (3)	
ENGL 2130 American Literature (3)	
ENGL 2310 English Literature from the Beginnings to 1700 (3)	
HUMN 1101 Introduction to Humanities (3)	
MUSC 1101 Music Appreciation (3)	
RELG 1101 Introduction to World Religions (3)	
Program Specific Requirement:	3
MATH 1113 Precalculus (3)	

Occupational Courses

26

Required Courses:

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- ENGT 1000 Introduction to Engineering Technology (3)
- ECET 1101 Circuit Analysis I (4)
- ECET 1110 Digital Systems I (4)
- ECET 1191 Computer Programming Fundamentals (3)
- ECET 2101 Circuit Analysis II (4)

Choose ONE of the following courses:

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- PHYS 1112 Introductory Physics II (3) + PHYS 1112L Lab (1)
- CHEM 1211 Chemistry I (3) + CHEM 1211L Lab (1)

Choose ONE of the following courses:

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- MATH 1131 Calculus I (4)
- ICET 2010 Electromechanical Devices (4)

Specialization: (Choose ONE course group below.)

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Computer Engineering Technology Specialization

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- ECET 1210 Networking Systems I (4)
- ECET 2110 Digital Systems II (4)
- ECET 2120 Electronic Circuits I (4)
- ECET 2210 Networking Systems II (4)
- ENGT 2300 Capstone Project I (1)

Electronics Engineering Technology Specialization

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- ECET 1210 Networking Systems I (4)
- ECET 2110 Digital Systems II (4)
- ECET 2120 Electronic Circuits I (4)
- ECET 2220 Electronic Circuits II (4)
- ENGT 2300 Capstone Project I (1)

Broadcast Engineering Technology Specialization

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- BCET 2121 Video and Audio Systems (4)
- BCET 2201 Digital Video and System Design (4)
- BCET 2202 RF Systems (4)
- BCET 2905 Broadcast Practicum/Internship (4)

Instrumentation and Control Specialization

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- ICET 2010 Electromechanical Devices (4)
- ICET 2020 Instrumentation & Process Management (4)
- ICET 2030 Programmable Logic Controllers (4)
- ICET 2050 Process Control (4)
- ENGT 2300 Capstone Project I (1)

Total Credit Hour (minimum):

61