

ELECTRONICS TECHNOLOGY

School of Applied Technologies

CONTACT INFORMATION

Program information is available from the School of Applied Technologies Office at (505) 224-3740 or from Academic Advisement and Career Development at (505) 224-4321.

- Associate of Applied Science Degree in Electronics Technology
- Certificate of Completion in Electronics Technology

PROGRAM DESCRIPTION

The Electronics Technology program provides students with a broad base of skills in analog and digital electronics with electromechanical and computer applications. Laboratory exercises provide students with hands-on experiences throughout the entire program. In addition to the fundamental skills developed in the certificate program, the degree program is designed to provide students with exposure to emerging and current technologies in the fourth and fifth terms.

Many of the courses in the Electronics Technology program develop the skills sets that are verified by industry certifications as specified by the Electronics Technicians Association and other vendors. Students completing the Associate degree in Electronics Technology will also be eligible to sit for the Certified LabVIEW Associate Developer (CLAD) exam at no charge.

SPECIAL REQUIREMENTS

Students must have normal color differentiation to work with colored wiring and components.

CAREER AND EDUCATIONAL OPPORTUNITIES

Electronics Technology is one of the most rapidly changing technical fields in America today. Graduates will be eligible for entry-level technical positions in a wide range of disciplines utilizing digital, electromechanical and semiconductor devices.

Exit competencies for this program of study are available at cnm.edu/exitcomp

For the graduation policy refer to page 46 of the 2009-2011 Catalog, cnm.edu or the Students tab in myCNM.

COURSE PREREQUISITE(S)

COURSE	ACCUPLACER SCORE OR EQUIV.
ENG 0950 Essay Writing.....	85
MATH 0940 Algebraic Problem Solving II or Elementary Algebra score of.....	81
RDG 0950 Reading and Critical Thinking.....	80

Students should see an academic advisor to customize their educational plans. Students must meet prerequisites by placement scores or specific course work. Please see Course Descriptions for prerequisite(s) information. See page 12 of the 2009 Catalog for Accuplacer score equivalencies.

RECOMMENDED SEQUENCE OF COURSES

COURSE	CREDIT HOURS
TERM 1	
ELEC 1002 Survey of Adv. Technologies Career Pathways.....	1
ELEC 1004 DC and AC Circuits.....	4
ELEC 1092 DC and AC Circuits Lab.....	2
ELEC 1010 Electronics Math.....	4
ENG 1101 (or 1102) College Writing	3
TERM 2	
ELEC 1101 Digital Circuits Concepts & Design.....	3
ELEC 1192 Digital Circuits Concepts & Design Lab.....	2
ELEC 1201 Semiconductor/Solid State Devices	4
ELEC 1292 Semiconductor/Solid State Devices Lab.....	2
Humanities or Social/Behavioral Science Elective.....	3
TERM 3	
ELEC 1301 Electromechanical Devices & Systems.....	3
ELEC 1392 Electromechanical Devices & Systems Lab.....	4
MATH 1310 (or higher) Intermediate Algebra.....	4-3
ENG 1119 (or 2219) Technical Communications	3
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TERM 4

ELEC 1022 Soldering Standards	2
ELEC 1401 Telecommunication Circuits & Systems	3
ELEC 1492 Telecommunication Circuits & Systems Lab.....	2
ELEC 2010 Intro. to Embedded Systems - Microcontrollers	4
Technical Electives.....	3

TERM 5

ELEC 2040 Systems Simulation.....	3
ELEC 2999 Capstone.....	2
Technical Electives.....	3
BIO Science Lecture/Lab.....	4
Or	
CHEM Science Lecture/Lab.....	4
Or	
PHYS Science Lecture/Lab.....	4-5

Associate of Science in Electronic Technology.....67-69

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Approved Technical Electives

BIO any not used, including Special Topics.....	1-4
CAD any, including Special Topics.....	1-6
CHEM any not used, including Special Topics.....	1-4
PHYS any not used, including Special Topics.....	1-5
EDT any, including Special Topics.....	1-6
ELEC any not used, including Special Topics.....	1-6
ELTR any, including Special Topics.....	1-6
ENGR any, including Special Topics.....	1-6
MATT any, including Special Topics.....	1-6
PC any, including Special Topics.....	1-6

