

Electromechanical Technology

Career and Major Information

The Electromechanical Technology concentration under the Industrial Technology degree program prepares individuals for employment in many areas of business and industry. The curriculum is balanced between industrial electricity and industrial mechanics, providing graduates with a multitude of opportunities. Graduates may be employed as electromechanical technicians, working in areas that include basic electrical troubleshooting and maintenance, mechanical systems design and repair, and state-of-the-art machine automation. They may work as programmers of automated manufacturing cells, programmable logic controller programmers and troubleshooters, or as engineering technicians in advanced manufacturing operations.

Graduates of the program will be skilled in electronics troubleshooting, reading electrical schematics, using electrical measuring equipment, installing and troubleshooting programmable logic controller hardware and software, three-phase power and motor control, and understanding electrical/electronics terminology. They will also be knowledgeable in fluid power systems, mechanical power transmission, basic welding, industrial piping and pump applications, and basic millwright principles. These are the basic skills needed by entry level electromechanical technicians.

Related Career Titles

[science technicians](#); [drafters](#); [surveyors, cartographers, photogrammetrists, and surveying technicians](#); and [broadcast and sound engineering technicians and radio operators](#).

Web Sites

For information about careers in engineering technology, contact:

JETS (Junior Engineering Technical Society) Guidance, 1420 King St., Suite 405, Alexandria, VA 22314. Internet: <http://www.jets.org>

Information on engineering technology programs accredited by the Accreditation Board for Engineering and Technology is available from:

ABET, Inc., 111 Market Place, Suite 1050, Baltimore, MD 21202. Internet: <http://www.abet.org>

Information on certification, as well as job and career information, is available from:

National Institute for Certification in Engineering Technologies, 1420 King St., Alexandria, VA 22314. Internet: <http://www.nicet.org>

Occupational Outlook Handbook : <http://www.bls.gov/oco/ocos199.htm>

Salary Information

The median annual earnings of electromechanical technicians in May 2006 was:

Electro-mechanical technicians	44,720
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Local salaries may be lower.

Citation: Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook, 2008-09 Edition*, Engineering Technicians, on the Internet at <http://www.bls.gov/oco/ocos112.htm>