

Construction and Industrial Technology Division Programs

Area of Study	PCC Program	Prepares you for	Starting Salary range
Advertising & Graphic Design	Associate in Applied Science Degree in Advertising and Graphic Design	Careers developing concepts and layouts for advertising materials, including ads and brochures, for ad agencies, public and private companies; self-employment.	\$22,890-\$36,760
Air Conditioning, Heating & Refrigeration	Associate in Applied Science in Air Conditioning, Heating & Refrigeration Technology <i>Diploma:</i> Heating and Air Conditioning Service <i>Certificate:</i> Heating and Air Conditioning Service	Employment with firms that specialize in installation, servicing and repair of heating and cooling systems in homes, offices and commercial buildings; self-employment.	\$35,000-\$50,000
Architectural Technology	Associate in Applied Science Degree in Architectural Technology	Para-professional careers in architectural, engineering and residential designer firms preparing working plans, detail drawings, and 3D digital presentations.	\$27,800-\$37,780
Automotive Systems	Associate in Applied Science Degree in Automotive Systems Technology <i>Diploma:</i> Automotive Systems Technology <i>Certificates:</i> Automotive Mechanical Systems Technology or Automotive Electrical Systems Technology	Employment with dealerships and privately-owned garages diagnosing, servicing, and repairing automobiles and light trucks.	\$20,800-\$34,630
Building Construction Technology	Associate in Applied Science Degree in Building Construction Technology <i>Diploma:</i> Residential Carpentry	Provides overview of the building construction industry. Includes general construction, blueprint reading, construction estimating, and project management.	\$20,800-\$43,300 Managers: \$35,150-\$56,320

Electrical/Electronics Technology	Associate in Applied Science Degree in Electrical/Electronics Technology <i>Diploma:</i> Electrical/Electronics Technology <i>Certificates:</i> Basic Wiring, Electrical/Electronics PLC, Electrical/Electronics Industrial Controls	Entry-level jobs in residential, commercial and industrial construction installing wiring. In-house maintenance departments at manufacturing facilities also offer job opportunities. Preparation for licensed electrician.	\$18,720-\$29,120
Electronics Engineering Automation Engineering Systems Engineering	Associate in Applied Science Degree in Electronics Engineering Technology <i>Emphasis Areas:</i> Automation/Robotics Systems (Industrial) General (Math/Science) <i>Certificates:</i> Basic Electronics Automation Technology, Computer Technology	Entry-level jobs as electronics technicians in wide-area electronics market. Help engineers and scientists design, build, test, install and maintain electronic equipment and systems. Technicians may specialize in various areas of electronics, such as computers, industrial applications, biomedical servicing, automation/robotics programming, telecommunications, and much more. Students may select from EET areas such as general, system, and automation.	\$30,600-\$44,070
Industrial Management Technology	Associate in Applied Science Degree in Industrial Management Technology	Positions such as front-line supervisor, engineering assistant, production planner, inventory supervisor, or quality control technician.	\$30,000-\$45,000
Industrial Systems Technology	Associate in Applied Science Degree in Industrial Systems Technology <i>Diploma:</i> Industrial Systems <i>Certificates:</i> Basic Mechanical Maintenance, Bio-Maintenance	Technician positions in manufacturing businesses maintaining industrial equipment. Options are available to specialize in HVAC, machining or welding.	\$20,670-\$50,000

Machining Technology	<p>Associate in Applied Science Degree in Machining Technology</p> <p><i>Diploma:</i> Machining</p> <p><i>Certificates:</i> Machining Basics, CNC</p>	Jobs in industrial and metalworking machinery and equipment manufacturing as computer numeric controlled (CNC) and conventional machine tool operators.	\$29,120-\$41,600
Mechanical Engineering	<p>Associate in Applied Science Degree in Mechanical Engineering Technology</p> <p><i>Certificate:</i> Drafting for Manufacturing</p>	Employment opportunities in manufacturing, fabrication, research and development and service industries assisting in the design, development, testing and repair of mechanical equipment.	\$28,600-\$44,500
Welding	<p>Associate in Applied Science Degree in Welding Technology</p> <p><i>Diploma:</i> Basic Welding</p> <p><i>Certificates:</i> Basic Welding, Bio-Welding, SMAW (Stick), GMAW (MIG), GTAW (TIG), Pipe Welding, Welding BPR/Testing</p>	Provides the students with the opportunity to learn how to use the four Basic Welds Processes, along with such metals as Carbon Steel, Stainless Steel and Aluminum. Prepares students to work in welding shops and fabricate metal products (i.e., structural steel and pipe welding) and repair equipment.	\$21,590-\$47,000

Sources:

<http://www.acinet.org>

<http://www.soicc.state.nc.us>

<http://eslmi23.esc.state.nc.us>

<http://www.nchealthcareers.com>