

Electronics & Computer Engineering Technology

Associate Degree • Delaware Technical & Community College • www.dtcc.edu

This program offers extensive training in analog and digital electronics, with emphasis on applications and analysis relating to microprocessor, industrial control and communication systems. The students are also skilled in computer simulation, robotics, programmable logic controllers, networking, and wireless communications. This program integrates lecture, demonstration, laboratory and hands-on activities into all course work.

What You'll Learn...

- Testing, developing, troubleshooting, and repairing of circuits and systems
- Applications and operation of instrumentation and test equipment
- Automated controls using programmable logic controllers and virtual instrumentation
- Robotic and microcontroller programming and applications

What You'll Earn...

- High-tech education in modern computerized laboratories
- Skills necessary to obtain work as a professional engineering technician
- Technical knowledge required in today's job market
- Competitive salary and career growth opportunities

What You Can Do...

- Electronics engineering technician
- Assistant engineer
- Wireless technician
- Computer network technician
- Field-service technician
- Quality control technician
- Biomedical technician
- Avionics
- Consumer electronics
- Telecommunications technician

Jack F. Owens Campus • For more info contact: Tim Harr • (302) 855-5931 • tharr@dtcc.edu

ELECTRONICS & COMPUTER ENGINEERING TECHNOLOGY

Career opportunities for the electronics graduate include engineering, robotics, avionics, communications, computer electronics, quality control, networking, microwave filters and manufacturing.

PROGRAM FACTS

- 97% of graduates are employed in their career choice
- State-of-the-art labs

OPTIONS

Microcomputer Systems Service & Repair

Studies for students who wish to focus on entry level computer repair work with emphasis on the CompTIA A+ certification. The diploma completes the first year of the AAS program.

Analog Electronics Studies for students whose current job requires a specific focus on linear systems and communications.

Microcomputer Electronic Studies for students whose current job requires a specific focus on digital electronics and microprocessor-based systems.

DELAWARE TECH

Delaware Technical & Community College

Jack F. Owens Campus

P.O. Box 610

Georgetown, DE 19947

(302) 856-5400

www.dtcc.edu

www.dtcc.edu/owens/electronics

REQUIRED TECHNICAL COURSES

ELC 122	Electronic Devices & Circuits I
ELC 123	Electronic Devices & Circuits II
ELC 130	Digital Electronics I
ELC 132	Microcomputer Systems Service & Repair
ELC 222	Network Theorems & Analysis
ELC 230	Industrial Electronics
ELC 232	Introduction to Microprocessors
ELC 110	Technical Computer Applications
ELC 223	Electronic Communications
ELC 233	Microprocessor Applications
ELM 215	Industrial Controls (PLCs)
PHY 205	Physics I
CEN 180	C Language Introduction

OTHER COURSES

ECO 111	Macroeconomics
ENG 121	Composition
ENG 122	Technical Writing & Communication
MAT 181	Algebra & Trigonometry I
PSY 121	Psychology

HOW TO BEGIN –

1. Obtain, complete, and submit an Application for Admission with a \$10 non-refundable fee to the Admissions Office. Make check payable to Delaware Technical & Community College. Applications are available via the Web (www.dtcc.edu/admissions), by phone or mail, or from a high school counselor.
2. Develop a financial plan to identify resources, such as financial aid, SEED, and other scholarships, to help pay for college.
3. Request that your official high school, GED, and/or college transcript be sent immediately to the Admissions Office.
4. Participate in the college testing and placement program, if required. Official scores from SAT/ACT tests or previous college credit may satisfy this requirement.
5. Meet for advisement to begin an educational plan and select courses for registration.