



Department of Electrical and Telecommunications Engineering Technology

ETET

WHO WE ARE

Department of Electrical and Telecommunications Engineering Technology

As a member of the Department of Electrical and Telecommunications Engineering Technology you will join a group of students who are part of the School of Technology and Design at New York City College of Technology, City University of New York.

Mission: The mission of the Electrical and Telecommunications Engineering Technology department is to provide academic, technological, and cultural resources and experiences to the students of the programs we offer. High quality electrical engineering technology and telecommunications engineering technology programs are at the heart of the departmental mission. The department is dedicated to successfully educating students of diverse background and cultures for entry in the electrical and telecommunications engineering technology industries. Through excellence in teaching and innovative use of technology, the department is committed to supporting an open environment where learning, creativity, and personal growth can flourish, thus benefiting our students, our college, and our community.

Clubs: Students in this major can join clubs such as Institute of Electrical and Electronics Engineers (IEEE) club, National Society of Professional Engineers (NSPE) club, and the Electronics Technician Association (ETA) club.

Faculty: Faculty in the Department of Electrical and Telecommunications Engineering Technology have an interest in various research areas. Please visit our faculty profile page located at <http://www.citytech.cuny.edu/electrical-telecomm/faculty.aspx>.

Resources: Students in the Department of Electrical and Telecommunications Engineering Technology will be provided with important resources: digital instruments including, but not limited to, oscilloscopes, multimeters, power supplies, generators, spectrum analyzers, vector signal generators/receivers, computer labs with software such as MATLAB®, Multisim®, LabView®, Quartus® II, PSpice, as well as tutoring, and much more.

Options for employment:

The following are some of the career titles that students who complete just an AAS degree from the ETET dept. obtain:

- Computer Service Technician
- Electrical Drafter
- Electrical & Electronics Engineering Technician
- Electrical & Electronics Tester
- Calibration & Lab Technician
- Technical Representative
- Manufacturing Specialist
- Test & Bench Technician
- Customer Service Representative
- Field Service Technician

Electrical Engineering Technology: Potential employers of the graduates of this program include a variety of companies such as Con Ed, IBM, ITT, Avaya, USPS, NYPD, MTA, JPMorgan Chase CODEX, Bank of America, GE, Verizon, Honeywell, Northrop Grumman, US Steel, Western Electric, Westinghouse, and General Motors.



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Telecommunications Engineering Technology: Potential employers of the graduates of this program include LIRR, MTA, Citicorp, Board of Education, Verizon, AST, Western Union, SIAC, Avaya, NYPD, JPMorgan Chase, US Steel, Western Electric, Westinghouse, and General Motors.

To learn more about the job opportunities as well as other resources available to ETET students, you can refer to the following link: <http://www.citytech.cuny.edu/electrical-telecomm/student-resources.aspx>

Fun Facts:

- *Three active members of ETA International/NSPE clubs (one from TCET-BT Program and two from EET-BTech Program) passed the FE Exam since Spring 2019 and qualified for the State IE (Internship for Engineering) Exam, too. They've been employed by LIRR, MTA, and IT companies as a Junior Engineer, Project Manager, and IT Technologist, respectively.*

'More about Who We Are' available on the next page!



Department of Electrical and Telecommunications Engineering Technology



More About Who We Are

The Department of Electrical and Telecommunications Engineering Technology at City Tech offers the following degrees:

1. Electrical Engineering Technology/AAS
2. Electrical Engineering Technology/BTech

Accreditation

All of our Engineering Technology degrees are accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET.

What is Electrical Engineering Technology (EET)?

With an AAS degree, a technician may suggest design modifications to facilitate production, perform design calculations for engineers, prepare specifications for materials and components, drafting, estimate cost of design alternatives and help write user and technical manuals for electronic equipment users, plot graphs of test results and write reports, inspect and calibrate test equipment, being a technical field representative. Additionally, with a BTech degree, an electrical technologist goes even further by researching, designing, and evaluating complex problems that require knowledge of a whole range of technologies including power, control, remote sensing, and embedded systems, or mechatronics.

Courses

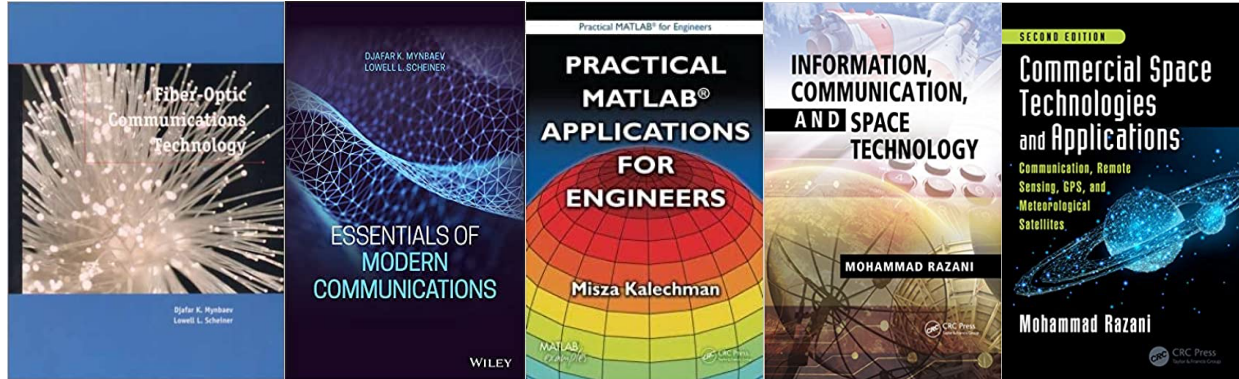
Most of our courses include laboratories where experiments are performed. A balanced curriculum provides a solid foundation in the scientific and mathematical principles on which electrical and telecommunications design is based, as well as ample hands-on experience in our well-equipped laboratories. To prepare students for the rapid pace of technological change in the workplace, the courses seek to develop the kinds of creative design and problem-solving capabilities which never become obsolete. The curriculum is multidisciplinary and addresses both the theory and the hands-on experience of industry-standard tools in design, simulation, testing, and trouble-shooting.



More Fun Facts

ETET faculty have also published several textbooks that are being currently used in the department, such as the following:

Books by ETET Faculty



2000



2020



2009

2012



2018

- The ETET department also has articulation agreements with several CUNY colleges. Presently the graduates from the following two CUNY colleges can continue their studies towards BTech in ETET department at CityTech:
 - [Bronx Community College and City Tech Transfer Articulation Agreement](#)
 - [Queensborough Community College and City Tech Transfer Articulation Agreement](#)
- CUNY BA: CUNY Baccalaureate for Unique and Interdisciplinary Studies (CUNY BA, established in 1971) is a University-wide, individualized degree. It is an exciting, versatile, rewarding degree route for highly-motivated, self-directed students whose academic goals transcend traditional majors. CUNY BA attracts many of the best students from within and from outside the University. For more detailed description of this program and to learn how to apply, refer to the following website: <https://cunyba.cuny.edu/fastfacts/>

Resources

Institute of Electrical and Electronics Engineers: <https://www.ieee.org>

National Society of Professional Engineers: <http://www.nspe.org/>

Electronics Technician Association: <http://www.eta-i.org>

ABET: <http://www.abet.org>