ELECTRICAL AND COMPUTER ENGINEERING TECHNOLOGY

The Department of Electrical and Computer Engineering Technology (ECET) offers four AAS degree programs in technology:

- **Computer Engineering Technology***
- **Electronic Engineering Technology***
- **Telecommunications Technology**
- **New Media Technology**

* The Computer Engineering Technology and Electronic Engineering Technology programs are both accredited by Technology Accreditation Commission of ABET (TAC of ABET). Additional information on TAC of ABET can be found at ABET, Inc. 111 Market Place, Suite 1050, Baltimore, MD 21202, telephone 410-347-7700 and at www.abet.org.

Educational Objectives for the A.A.S. degree programs in Computer Engineering Technology and Electronic Engineering Technology

Graduates of these programs will be prepared for the following career and professional accomplishments during the first three to five years following graduation:

1. Career Preparation and Advancement – Graduates will demonstrate mastery of the knowledge and skills needed for entry into or advancement in the fields of Computer Engineering Technology or Electronic Engineering Technology.

2. Engineering Competence - Graduates will be competent technicians with problem solving and design skills, and have the ability to apply mathematics, science and modern engineering software to solve electrical and computer engineering technology problems.

3. Professional Skills - Graduates will have strong communication skills, and the ability to work successfully in teams in industry.

4. College Transfer - Graduates will meet the requirements for transfer into the junior year of a baccalaureate program in engineering technology

5. Well-rounded education - Graduates will demonstrate respect for diversity and knowledge of contemporary professional, societal, ethical, and global issues, and they will engage in life-long learning

Recipients of the A.A.S. degree may choose to work in industry, continue their academic studies in a Bachelor of Engineering Technology program, or do both.

All Engineering Technology programs are heavily laboratory-oriented. The Electrical and Computer Engineering Technology Department operates up-to-date laboratories for student use, including electrical circuits, semiconductor, microwave and communications, feedback control systems, digital computers, computers, LANS, Internet based studies and New Media. The laboratories contain professional-level software, measurement and calibration equipment. Students also become fluent with engineering software such as PSpice, SystemView, and Multisym. The Department also sponsors an IEEE club, a Radio club, a Robotics club and a New Media Internet club.

To provide experience in the computer area, the Department maintains a Computer Center, which is used by both Computer and Electronic majors to study computer programming.

The ECET Department offers many awards, scholarships, internships, and cooperative education opportunities. These opportunities provide students with financial support and help to broaden their knowledge. Students are able to earn college credit while participating in an internship or co-op experience.

ECET engineering technicians are widely sought after by industry. Graduates have an excellent record in finding employment and enjoy relatively high starting salaries. They are employed in such diverse positions as computer technician, LAN technician, electrical designer, electronic technician, research technician, technical sales representative, technical writer, and field or customer engineer.

New York area companies employing our graduates include: Verizon, Hewlett Packard, Consolidated Edison, IBM, MCS/Canon, Aeroflex, CitiCorp, LIRR, Keyspan, Lucent, Northrop/Grumman and Underwriters Laboratories.

The Department also offers an **A.A.S. degree program in Telecommunications Technology: Verizon**, which is available only to Verizon employees in the Next Step program.

ADVISORY COMMITTEE, DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING TECHNOLOGY

Mr. Vincent Basirico, *Shen Milson & Wilke, Inc.*
Mr. Randy DeCastro, *RDS Industries, Inc.*
Mr. Louis Flaxman, *MTA New York City Transit*
Mr. Walter Heinz, *Frequency Electronics, Inc.*
Mr. Michael J. Kozma, *MTA Metro-North Railroad*
Mr. John Leccese, *Aeroflex Laboratories*
Mr. Peter Novak, *G A.L. Manufacturing Corporation*
Mr. Robert Packer, *Networked Information Systems*
Mr. John Randazzo, *Computer Associates International, Inc.*
Mr. Pasquale Savarese, *Verizon*
Mr. Larry Shulman, *LMS Tech*
Mr. Andrei Szabo, *Hewlett Packard Company*