DEPARTMENT: COMPUTER SYSTEMS TECHNOLOGY

As a member of the **Computer Systems Technology Department**, you will join a group of students who are part of the **School of Technology** at New York City College of Technology, City University of New York.

Mission: To offer two degree programs:

AAS in Computer Information Systems,

Bachelor of Technology (BTech) in Computer Systems, and

Bachelor in Science (BS) in Data Science

The Computer Systems Technology Department offers three degree programs: AAS in Computer Information Systems, and bachelor of technology (BTech) in Computer Systems, and Bachelor in Science (BS) in Data Science. The department also offers a variety of computer courses for students in other curricula. Some of these courses are designed for students in specific majors such as accounting, telecommunications technology or legal assistant studies, while some are intended to provide computer literacy to students in any major.

Students in the Computer Systems Technology program are provided with important resources and acquire skills and aptitudes through:

- Courses that emphasize both the theoretical and practical foundation in Computing

- choices of sub-specialization in both established and emerging technologies within the computer field

- A "hands-on" approach in all aspects of the curriculum including a required "capstone" internship course in the BTech program

The **Internship Program** helps students build a bridge between education and real applications. It is a 3-credit course in the **BTech degree in Computer Systems**.

The objective of the internship is to give students the opportunity to:

- interact with knowledgeable and experienced professionals
- gain hands-on experience in their chosen field
- discuss their professional plans with their internship supervisor
- develop professional relationships

Students can join department clubs such as

- Institute of Electrical and Electronics and Engineers (IEEE)
- Association for Computing Machinery (ACM)
- Society for Industrial and Applied Mathematics (SIAM)
- The Computer Club
- NSF Noyce Scholarship(developing K-12 STEM teachers)
- Engage in other opportunities, such as the Internship Program

Options for Employment and Further Study

Students have successfully completed their internships in large, medium, and small companies, such as Goldman Sachs, MTA, Versace, NYSE, and Union Settlement Houses.

Many students have performed very well and upon graduation, have gained employment at their internship site. It is a valuable experience to jump-start a career.

Faculty in the Department of Computer Systems Technology have interests in various research areas:

- Database Administration
- Network and Systems Administration
- Systems Analysis
- Software Engineering and Computer Programming
- Computer Support
- Web Development
- Information Security Analysis
- Computational creativity, real-time algorithmic music composition, web development

Students in the Computer Systems Technology Department will be provided with **important resources** and are often **interested** in acquiring the following skills and knowledge:

- Offering a combination of courses that emphasize both the theoretical and practical foundation in computing
- Offering the student a choice of sub-specialization in both established and emerging technologies within the computer field
- Emphasizing a hands-on approach in all aspects of the curriculum including a required capstone internship course in the BTech program
- Adjusting and upgrading curriculum and lab equipment on a timely basis for changes in computer technology