The Telecommunications Technology curriculum provides training in the expanding field of telecommunications. For students interested in technology, the program will provide state-of-the-art training for fulfilling telecommunications careers. In addition, the program aims to retrain telecommunications workers with technological advances in the field. The program also provides a smooth transition to baccalaureate programs of four-year schools, specifically the bachelor’s degree program in Telecommunications at CUNY New York City College of Technology. Graduates can expect to be hired by various companies ranging from small businesses to telecommunication giants such as AT&T, Verizon and cable television companies.

Note that this program is not currently accepting new students.

Curriculum Coordinator: Dr. Ajaz Sana

TELECOMMUNICATIONS TECHNOLOGY
CURRICULUM (PATHWAYS)
65 Credits required for AAS Degree

Required Core
A. English Composition
   • ENG 10 Fundamentals of Composition and Rhetoric
     or ENG 11 Composition and Rhetoric I (3 Credits)
   • ENG 12 Composition and Rhetoric II (3 Credits)
B. Mathematical and Quantitative Reasoning
   • MTH 30 Pre-Calculus Mathematics (4 Credits)
C. Life and Physical Sciences
   • PHY 11 College Physics I (4 Credits)

Flexible Core
A. World Cultures and Global Issues
   • HIS 10 History of the Modern World
     or HIS 11 Introduction to the Modern World (3 Credits)
D. Individual and Society
   • COMM 11 Fundamentals of Interpersonal Communication (3 Credits)
E. Scientific World
   • PHY 12 College Physics II (4 Credits)

SUBTOTAL 24

Major Requirements
• ART 10 Art Survey or MUS 10 Music Survey (1 Credit)
• ELC 11 DC Circuit Analysis (4 Credits)
• ELC 15 Computer Applications in Technology (2 Credits)
• ELC 21 AC Circuit Analysis (4 Credits)
• ELC 25 Electronics I (4 Credits)
• ELC 96 Digital Systems I (4 Credits)
• FYS 11 First Year Seminar (1 Credit)
• MTH 31 Calculus and Analytical Geometry I (4 Credits)
• PEA Physical Education activity course (1 Credit)
• TEC 11 Voice Communications (4 Credits)
• TEC 21 Data Communications (4 Credits)
• TEC 31 Local Area Networks (4 Credits)
• TEC 41 Advanced Topics in Telecommunications (4 Credits)

SUBTOTAL 41

1 Students must take FYS 11 prior to earning 24 equated or degree credits. Students who have earned 24 or more equated or degree credits are permitted to use the one credit as a free elective. It is highly recommended that students take FYS 11 in their first or second semester.