TELECOMMUNICATIONS TECHNOLOGY VERIZON

Associate in Applied Sciences Degree | Career Program

Physics & Technology Department

This curriculum has been specifically designed to meet the requirements of the Verizon Corporation, the Communications Workers of America and the International Brotherhood of Electrical Workers. Only Verizon employees represented by CWA or IBEW are eligible. This curriculum is part of a statewide program called Next Step and is scheduled and sequenced to be completed over a four-year period while attending class one day per week.

The curriculum prepares Verizon students to enter the field of telecommunications with a wide range of skills needed for employment, advancement and continued education in this high tech industry. Students learn to install, test, maintain and operate a wide spectrum of telecommunications devices and systems for voice, data and video information transmission, as well as the technical principles and theory on which these devices and systems are based. The theory of telephone, data communications and transmission will be reinforced in current up-to-date laboratories.

Graduates may work as communications engineering technicians or in similar titles, or continue their education to earn a bachelor's degree.

Curriculum Coordinator: Dr. Jalil Moghaddasi

TELECOMMUNICATIONS TECHNOLOGY VERIZON CURRICULUM

60 Credits required for A.A.S. Degree

CORE REQUIREMENTS

■ ENG 11 Composition and Rhetoric I (3 Credits)
■ ENG 12 Composition and Rhetoric II (3 Credits)
■ CMS 11 Fundamentals of Interpersonal Communication OR
  HIS 23 Social and Intellectual History of Modern America (3 Credits)

TOTAL 9

REQUIRED AREAS OF STUDY

■ MTH 10 Technical Mathematics I (4 Credits)
■ MTH 11 Technical Mathematics II (4 Credits)
■ PHY 21 Physics for Engineering Technology I (4 Credits)

TOTAL 12

SPECIALIZATION REQUIREMENTS

■ ELC 13 Computer Applications in Telecommunications (3 Credits)
■ ELC 31 Electric Circuits (4 Credits)
■ ELC 96 Digital Systems I (4 Credits)
■ ELC 97 Digital Systems II (4 Credits)
■ ELC 26 Electronic Systems for Telecommunications I (4 Credits)
■ ELC 36 Electronic Systems for Telecommunications I (4 Credits)
■ TEC 15 Telecommunications I (4 Credits)
■ TEC 25 Telecommunications II (4 Credits)
■ TEC 35 Telecommunications II (4 Credits)
■ TEC 45 Telecommunications IV (4 Credits)

TOTAL 39

Note: At least two courses must be taken from a list designated as “Writing Intensive” as published each semester in the Registration Guide and Schedule of Classes.