

# TELECOMMUNICATIONS TECHNOLOGY

## A.A.S. Degree Program

### REQUIREMENTS FOR THE A.A.S. DEGREE

GENERAL EDUCATION CORE REQUIREMENTS		Credits
EN-101, 102	English Composition I, II.....	6
MA-114*	College Algebra and Trigonometry for Technical Students.....	4
MA-128*	Calculus for Technical and Business Students.....	4
PH-201† §, 202†	General Physics I, II.....	8
SS- or HI-	Electives in Social Sciences or History (HI-100 series).....	6
<i>Sub-total</i>		28

### REQUIREMENTS FOR THE MAJOR

ET-110	Electric Circuit Analysis I.....	4
ET-140	Sinusoidal and Transient Circuit Analysis.....	3
ET-210§	Electronics I.....	4
ET-501	Computer Applications.....	1
ET-502	Introduction to Computer Programming.....	1
ET-540§	Digital Computer Theory I.....	4
ET-560§	Microprocessors and Microcomputers.....	4
<i>Sub-total</i>		21

### TELECOMMUNICATIONS CORE

ET-230§	Telecommunications I.....	4
ET-231	Telecommunications II.....	4
ET-704	Networking Fundamentals I.....	4
ET-705	Networking Fundamentals II.....	4
<i>Sub-total</i>		16

**Total Credits Required .....65**

\* Students may substitute MA-440 and MA-441 in place of MA-114 and MA-128.

† Physics 301, 302 or 411, 412, 413 courses may be substituted for PH-201, 202.

§ Sections of this course denoted as "WT" may be taken to partially satisfy the Writing Intensive Requirement.

Two (2) Writing Intensive classes are required for the Associate degree. See page 69.

### SUGGESTED SEQUENCE OF COURSES

Semester 1		Credits
MA-114*	College Algebra and Trigonometry for Technical Students.....	4
ET-110	Electric Circuit Analysis I.....	4
ET-501	Computer Applications.....	1
ET-540§	Digital Computer Theory I.....	4
EN-101	English Composition I.....	3
<i>Sub-total</i>		16

### Semester 2

MA-128*	Calculus for Technical and Business Students.....	4
ET-140	Sinusoidal and Transient Circuit Analysis.....	3
ET-210§	Electronics I.....	4
ET-502	Introduction to Computer Programming.....	1
SS- or HI-	Electives in Social Sciences or History (HI-100 series).....	3
<i>Sub-total</i>		15

### Semester 3

ET-230§	Telecommunications I.....	4
ET-560§	Microprocessors and Microcomputers.....	4
PH-201§	General Physics I.....	4
ET-704	Networking Fundamentals I.....	4
<i>Sub-total</i>		16

### Semester 2

ET-231	Telecommunications II.....	4
PH202	General Physics II.....	4
ET-705	Networking Fundamentals II.....	4
EN-102	English Composition II.....	3
SS- or HI-	Electives in Social Sciences or History (HI-100 series).....	3
<i>Sub-total</i>		18

**Total Credits Required.....65**

# TELECOMMUNICATIONS TECHNOLOGY: VERIZON

## A.A.S. Degree Program

This is a corporate-specific degree program open only to Verizon (formerly Bell Atlantic) employees in the Next Step Program. courses are offered one day a week over eight semesters.

### REQUIREMENTS FOR THE A.A.S. DEGREE

GENERAL EDUCATION CORE REQUIREMENTS		Credits
EN-101, 102	English Composition I, II.....	6
MA-114	College Algebra and Trigonometry for Technical Students .....	4
MA-127	Technical Mathematics II: Verizon .....	4
PH-201§	General Physics I .....	4
SS-250	Labor and Management.....	3
<i>Sub-total</i>		21

### REQUIREMENTS FOR THE MAJOR ELECTRICAL/ELECTRONICS CORE

ET-125	Electrical Circuits.....	4
ET-210§, 220	Electronics I, II.....	8
ET-531	PC Essentials I.....	4
ET-532§	PC Essentials II.....	4
<i>Sub-total</i>		20

### TELECOMMUNICATIONS CORE

ET-508	Computer Applications for Telecommunications .....	3
ET-230§	Telecommunications I.....	4
ET-231	Telecommunications II.....	4
ET-704	Networking Fundamentals I .....	4
ET-705	Networking Fundamentals II .....	4
<i>Sub-total</i>		19

**Total Credits Required for the A.A.S. Degree in Telecommunications Technology: Verizon .....60**

§ Sections of this course denoted as "WT" may be taken to partially satisfy the Writing Intensive Requirement.

