

**ENGINEERING SCIENCE AND TECHNOLOGIES  
TELECOMMUNICATIONS TECHNOLOGY: VERIZON (TEN)  
(HEGIS 5310)**

This program has been designed in cooperation with the VERIZON Communications, the Communications Workers of America and the International Brotherhood of Electrical Workers. It is offered at a number of community colleges and technical colleges throughout New York State and New England and gives qualified VERIZON employees an opportunity to earn an A.A.S. Degree. Those VERIZON employees who qualify will be given one day off from work per week with pay according to a pre-arranged schedule. Actual hours and day of the week may vary according to group scheduling, advanced standing credit, etc. Students will complete 60 credit hours of work over a 4-year period to complete the program.

The Associate in Applied Science (A.A.S.) degree is awarded upon completion of the requirements for this program.

Courses should be selected in consultation with an advisor.



<u>Course No.</u>	<u>Descriptive Title</u>	<u>Cr.Hrs.</u>
<u>FIRST SEMESTER</u>		
MAT 128	Technical Mathematics A	4
CIS 109	Computer Applications	<u>3</u>
	TOTAL	7
<u>SECOND SEMESTER</u>		
EMS 106	Digital Systems for Telecom I	4
ENG 101	Composition I	<u>3</u>
	TOTAL	7
<u>THIRD SEMESTER</u>		
MAT 129	Technical Mathematics B	4
EMS 206	Digital Systems for Telecom 2	<u>4</u>
	TOTAL	8
<u>FOURTH SEMESTER</u>		
PHY 131	Technical Physics I	4
ENT 108	DC and AC Circuits	<u>4</u>
	TOTAL	8
<u>FIFTH SEMESTER</u>		
ENT 110	Introduction to Electronics	4
TEL 110	Applied Telecommunications I	<u>4</u>
	TOTAL	8
<u>SIXTH SEMESTER</u>		
ENT 210	Electronic Communication	4
TEL 210	Applied Telecommunications II	<u>4</u>
	TOTAL	8
<u>SEVENTH SEMESTER</u>		
ENG 102	Composition II	3
TEL 211	Applied Telecommunications III	<u>4</u>
	TOTAL	7
<u>EIGHTH SEMESTER</u>		
ECO 218	Labor Relations	3
TEL 212	Applied Telecommunications IV	<u>4</u>
	TOTAL	7
	TOTAL CREDIT HOURS	60