Telecommunication Specialist Certificate

PART TIME

This program roadmap represents one possible pathway to complete the program. **Please see a counselor** to create an education plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability.

Catalog: 2025-26

Total Units: 32

First Year

Semester 1 — 10 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	ET 115 Fiber Optics and Telecommunication Cabling	4	
Req	ET 302 Principles of Electricity and Electronics	4	
Req	ET 308 Technical Soldering Practices and Techniques	2	

Semester 2 — 11 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	ET 253 Industrial Communication Systems Support	4	ET 302
Req	ET 312 Mathematics for Circuit Analysis	3	
Req	ET 322 Semiconductors and Nanotechnology	4	ET 302

Second Year

Semester 3 — 11 Units

CAT.	COURSE	UNIT	PREREQUISITES
Req	ET 380 Introduction to Electronic Communications	4	ET 302
Req	ET 381 Electronic Communication Regulations	3	
Req	ET 388 Fiber Optics	4	ET 302

EXPLANATION OF CATEGORIES

Req	Required Core	A course that is required for this program

CAREER PATH

Career Options:

This certificate provides training for design, installation, and maintenance of any type of wired or wireless communication system such as remote monitoring, radio frequency (RF) control, radio and television transmitters, public safety and government communication equipment, and fiber optic systems.

Scheduling Notes:

- ET 115, 302, and 312 are offered every semester, day and night.

- ET 253 and 322 are offered every semester, alternating day and night schedules.

- ET 308 is offered on Fridays, both day and night.

- ET 388 is offered in the spring semester, in the afternoon.

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