



# Electronic Systems Technology 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: 2024-25

Total Units: 36

## First Year

### Semester 1

10 Units

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

### Semester 2

11 Units

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

## Second Year

### Semester 3

11 Units

CAT.	COURSE	TITLE	UNIT
Req	ET 335	Integrated Circuits with Computer Applications	4
Req	ET 380	Introduction to Electronic Communications	4
Req	ET 381	Electronic Communication Regulations	3

### Semester 4

4 Units

CAT.	COURSE	TITLE	UNIT
Req	ET 420	Microcontrollers and Digital Signal Processors	4

### EXPLANATION OF CATEGORIES

Req	Required Core	A course that is required for this program
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## CAREER PATH

### Career Options:

This certificate provides students with the knowledge to successfully enter a variety of electronics and telecommunication careers.

### Scheduling Notes:

- ET 115, 302, and 312 are offered every semester day and night.
- ET 253, 322, 335, 380, 381, and 420 are offered every semester alternating day and night schedules.
- ET 308 is offered on Fridays both day and night.

### Other Notes:

- At the end of semester 1, students qualify for the **Basic Electronics and Telecommunications** certificate.
- At the end of semester 2, students qualify for the **Advanced Electronics and Telecommunications** certificate.