

BROADBAND TECHNICIAN CERTIFICATE (TEL C486)

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The Broadband Technician certificate prepares students for entry-level positions in the evolving industry of broadband-related technologies. Students receive an introduction to telecom basics, telecom electronics, cable splicing, station installation, structured cabling systems, networking fundamentals, and fiber optics. This program is a stackable credential within the Broadband Telecom Associate in Applied Science Degree program. Students successfully completing the Broadband Technician certificate may finish the Associate in Applied Science Degree by completing additional coursework.

First Semester	Credit Hours 13	Second Semester	Credit Hours 13
TEL 1201 IT Fundamentals	3	GEN 2297 Employment Skills	V3
TEL 1266 Fundamentals of Telecom	3	TEL 1271 Basic Cable Slicing	3
TEL 1273 Electronics in Telecom	4	TEL 1274 Station Installation	3
TEL 2264 Intro to Fiber Optics	3	TEL 2263 Structured Cabling Systems	1
		TEL 2284 Networking Fundamentals	<u>3</u>
		Total Credit Hours	26

INTERCONNECT TECHNICIAN CERTIFICATE (TELCS C447)

This certificate prepares students for employment with an Interconnect firm as a PBX/Key System/Data Comm technician. Interconnect Technicians typically work in industrial, commercial, or office environments where the employee installs and maintains small business systems and structured data cabling plant. Employers include telephone companies, interconnect firms, universities, hospitals, and large commercial entities.

First Semester	Credit Hours 16	Second Semester	Credit Hours 16
GEN 1221 Occupational Safety	2	GEN 2297 Employment Skills	V3
TEL 1201 IT Fundamentals	3	TEL 1265 Intro to Computers	3
TEL 1263 Intro to Switching Technology	2	TEL 1272 Business Comm Systems I	3
TEL 1273 Electronics in Telecom	4	TEL 2263 Structured Cabling Systems	1
TEL 2264 Intro to Fiber Optics	3	TEL 2282 TDM Switching Technology	3
TEL 2287 IP Convergence	2	TEL 2284 Networking Fundamentals	<u>3</u>
		Total Credit Hours	32

OSP TECHNICIAN CERTIFICATE (TELCS C446)

This certificate prepares students for work at communications firms as linemen, cable splicers, I & R technicians, or fiber optic technicians. OSP Technicians typically work outdoors in construction, splicing, troubleshooting and maintaining copper and fiber optic communication lines. Employees work with voice, data, and video circuits. Employers include telephone companies, CLECs, Cable TV companies, and telecom contractors.

First Semester	Credit Hours 14	Second Semester	Credit Hours 15
GEN 1221 Occupational Safety	2	GEN 2297 Employment Skills	V3
TEL 1266 Fundamentals of Telecom	3	TEL 1271 Basic Cable Splicing	3
TEL 1276 Working Aloft	2	TEL 1274 Station Installation	3
TEL 2264 Intro to Fiber Optics	3	TEL 2291 OSP Cable Maintenance	3
TEL 2281 Outside Plant Construction	4	TEL 2299 Advanced Cable Splicing	<u>3</u>
		Total Credit Hours	29