

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.

<u>First Semester</u>	<u>Credit Hours 14</u>	<u>Second Semester</u>	<u>Credit Hours 14</u>
TEL 1201 IT Fundamentals	3	GEN 2297 Employment Skills	V3
TEL 1266 Fundamentals of Telecom	3	TEL 1271 Cable Splicing	4
TEL 1273 Electronics in Telecom	4	TEL 1274 Station Installation	3
TEL 2264 Introduction to Fiber Optics	4	TEL 2263 Structured Cabling Systems	1
		TEL 2284 Networking Fundamentals	<u>3</u>
		Total Credit Hours	28

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.

<u>First Semester</u>	<u>Credit Hours 16</u>	<u>Second Semester</u>	<u>Credit Hours 13</u>
TEL 1201 IT Fundamentals	3	GEN 2297 Employment Skills	V3
TEL 1273 Electronics in Telecom	4	TEL 1272 Business Comm Systems	4
TEL 2264 Introduction to Fiber Optics	4	TEL 1275 Essential Computer Skills	V2
TEL 2284 Networking Fundamentals	3	TEL 2230 SIP & VOIP Technologies	3
TEL 2287 IP Convergence	2	TEL 2263 Structured Cabling Systems	<u>1</u>
		Total Credit Hours	29

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.

<u>First Semester</u>	<u>Credit Hours 13</u>	<u>Second Semester</u>	<u>Credit Hours 13</u>
TEL 1266 Fundamentals of Telecom	3	GEN 2297 Employment Skills	V3
TEL 1276 Working Aloft	2	TEL 1271 Cable Splicing	4
TEL 2264 Introduction to Fiber Optics	4	TEL 1274 Station Installation	3
TEL 2281 Outside Plant Construction	4	TEL 2219 Cellular & Fixed Wireless Fund	<u>3</u>
		Total Credit Hours	26