

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 14		Second Semester				Credit Hours 14	
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		3	
						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.

First Semester				Credit Hours 16		Second Semester				Credit Hours 12	
TEL	1201	IT Fundamentals		3		GEN	2297	Employment Skills		V3	
TEL	1273	Electronics in Telecom		4		TEL	1272	Business Comm Systems		3	
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		1	
						Total Credit Hours 28					

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 12		Second Semester				Credit Hours 13	
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		3		TEL	1274	Station Installation		3	
TEL	2281	Outside Plant Construction		4		TEL	2219	Cellular & Fixed Wireless Fund		3	
						Total Credit Hours 25					