

## **BROADBAND TELECOM ASSOCIATE IN APPLIED SCIENCE DEGREE (TEL D485)**

FCC	<b>✓ LTC</b>	OCC	WVC
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The Broadband Telecom Associate in Applied Science degree is a course of study for individuals who desire employment working entry and mid-level positions in the evolving industry of broadband-related technologies. Students will be trained in copper and fiber optic cabling, home and business phone systems, computer hardware and software, networking, customer relations, outside plant construction, central office switching, and network security. Specific skills will include installation, maintenance, and safety of these various technologies. Students have the opportunity to prepare for and take industry standard certification exams as part of the curriculum. Training opportunities exist through paid internships with broadband telecom companies.

### **First Semester Credit Hours 17**

FYE	1198	College Success	1
TEL	1201	IT Fundamentals	4
TEL	1202	Networking Fundamentals I	4
TEL	1203	Combination Technician I	4
TEL	1204	Outside Plant I	4

### **Second Semester Credit Hours 16**

FYE	1199	Professional Career Development	1
ENG	1201	Communications <sup>1</sup>	3
TEL	1232	Networking Fundamentals II	4
TEL	1233	Combination Technician II	4
TEL	1234	Outside Plant II	4

### **Summer Semester Credit Hours 4**

TEL	2200	Internship in Telecommunications	4
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### **Third Semester Credit Hours 13.5**

EDS	1210	Flagging and Traffic Control	0.5
SOC	1108	Race and Ethnic Relations <sup>1*</sup>	3
SPE	1111	Interpersonal Communications <sup>1</sup>	3
TEL	2214	Cisco Fundamentals	4
		Physical Science Gen Ed Elective <sup>1</sup>	3

### **Fourth Semester Credit Hours 15**

MTH	1201	Technical Mathematics <sup>1</sup>	V3
PTT	1202	OSHA Training	V3
TEL	1266	Fundamentals of Telecom	3
TEL	1276	Working Aloft	3
		Gen Ed Elective <sup>1</sup>	3

### **Total Credit Hours 65.5**

<sup>1</sup>General Education Hours (18)

\*This course satisfies the IECC human diversity requirement