BROADBAND TELECOM   ASSOCIATE IN APPLIED SCIENCE DEGREE   (TEL D485)

FCC	✓ LTC	OCC	WVC

The Broadband Telecom degree prepares students for employment in the evolving industry of broadband-related technologies. Students train in copper and fiber optic cabling, home and business phone systems, computer hardware and software, networking, customer relations, outside plant construction, and central office switching. Specific skills include installation, maintenance, and safety of these various technologies. Students prepare to take industry standard certification exams as part of the curriculum. Additional training opportunities exist through paid internships with broadband telecom companies.

First Semester   Credit Hours 16

MTH	1201	Technical Mathematics[1]	V3
TEL	1201	IT Fundamentals	3
TEL	1266	Fundamentals of Telecom	3
TEL	1273	Electronics in Telecom	4
TEL	2284	Networking Fundamentals	3

Second Semester   Credit Hours 17

TEL	1271	Cable Splicing	4
TEL	1272	Business Comm Systems	4
TEL	1274	Station Installation	3
TEL	1275	Essential Computer Skills	V2
TEL	2219	Cellular & Fixed Wireless Fund	3
TEL	2263	Structured Cabling Systems	1

Third Semester   Credit Hours 16

ENG	1201	Communications[1]	3
TEL	2264	Introduction to Fiber Optics	4
TEL	2281	Outside Plant Construction	4
TEL	2287	IP Convergence	2
		Math/Science Gen Ed Elective[1]	3

Fourth Semester   Credit Hours 16

GEN	2297	Employment Skills[1]	3
TEL	2214	Cisco Fundamentals	4
TEL	2230	SIP & VOIP Technologies	3
TEL	2293	Central Office Fundamentals	3
		Social Science/Humanities Gen Ed Elective[1]*	3

Total Credit Hours   65

[1]General Education Hours (15)
*Course must satisfy the IECC human diversity requirement

Recommended Electives:

Math/Science Gen Ed Electives

GEG	1103	Introductory Meteorology	3
GEL	1110	General Geology	3
PSC	1101	Intro to Physical Science	4

Social Science/Humanities Gen Ed Electives

HIS	2104	Intro to African Am. History	3
MUS	1104	World Music	3
SOC	1108	Race and Ethnic Relations	3