

BROADBAND TECHNOLOGY - AAS

Offered at: Big Sandy Community and Technical College

Program Plan Number: 4701037019

Course	Title	Credits
General Education		
MAT 150	College Algebra	3
or MAT 126	Technical Algebra and Trigonometry	
Select one of the following two options:		3-4
PHY 171	Applied Physics	
Other Natural Science with Consent of Program Coordinator		
ENG 101	Writing I	3
Social/Behavioral Science Course		3
Oral Communications Course		3
Heritage/Humanities		3
Subtotal		18-19
Technical Core		
ELT 110	Circuits I	5
ELT 120	Digital I	3
BBT 289	Broadband Technology Capstone	1
Select one of the following two options:		3
CIT 105	Introduction to Computers	
Digital Literacy course		
CIT 111	Computer Hardware and Software	4
CIT 161	Introduction to Networks	4
ISX 100	Industrial Safety	3
BBT 100	Introduction to HFC/Cable-TV	3
BBT 200	Introduction to Cellular Technology	2
Subtotal		28
General Education and Technical Core Subtotal		46-47

Students must complete one of the tracks listed below to complete the AAS requirements.

Broadband Design and Applications Track

Offered at: Big Sandy Community and Technical College

Program Plan Number: 470103703

Course	Title	Credits
General Education and Technical Core Subtotal		46-47
CIT 125	Intro to Digital Maps	3
BBT 210	Security Systems Applications	3
BBT 101	HFC Cable TV Operations	3
EET 154	Electrical Construction I	2
EET 155	Electrical Construction I Lab	2
EET 252	Electrical Construction II	2
EET 253	Electrical Construction II Lab	2
EET 250	National Electrical Code	4
Total Credits		67-68

Broadband Technician Track

Offered at: Big Sandy Community and Technical College

Program Plan Number: 470103701

Course	Title	Credits
General Education and Technical Core Subtotal		46-47
EET 110	Voice & Data Installer Level I	4
EET 116	Fiber Optics Systems	3
ELT 224	Basic Telecommunications Installation and Maintenance	3
ELT 222	Mechanics of Telephony	3
EET 154	Electrical Construction I	2
EET 155	Electrical Construction I Lab	2
EET 252	Electrical Construction II	2
EET 253	Electrical Construction II Lab	2
Total Credits		67-68

Broadband Telecommunications Equipment Installer Track

Offered at: Big Sandy Community and Technical College

Program Plan Number: 470103702

Course	Title	Credits
Broadband Technology Requirements		46-47
CIT 125	Intro to Digital Maps	3
BBT 220	PBX Installations	2
BBT 201	Advanced Cellular Technology	2
ELT 224	Basic Telecommunications Installation and Maintenance	3
EET 110	Voice & Data Installer Level I	4
EET 116	Fiber Optics Systems	3
Total Credits		63-64