

## INFORMATION SYSTEMS TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE DEGREE (IST D217)

FCC	LTC	<b>✓ OCC</b>	WVC
-----	-----	--------------	-----

The Information Systems Technology programs will prepare students for jobs in areas such as Network Technician, Help Desk Support Technician, Network Administrator, Cybersecurity Analyst, and Data Analyst. Current industry technology and certifications are heavily emphasized.

### First Semester Credit Hours 16

ENG 1111	Composition I <sup>1</sup> <b>OR</b>	
ENG 1201	Communications <sup>1</sup>	3
IST 1200	Introduction to Information Tech	3
IST 1260	Operating Systems	3
IST 1298	Topics in IST	1
MTH 1131	Introduction to Statistics <sup>1</sup> <b>OR</b>	
MTH 1201	Technical Mathematics <sup>1</sup>	3
	General Education Elective <sup>1</sup>	V3
	College Algebra, if transfer	

### Second Semester Credit Hours 15

IST 1201	Introduction to Networks	3
IST 1210	Information Tech Essentials	3
IST 1240	Business Apps. Computing	3
IST 2231	IoT: Connecting Things	3
SPE 1101	Fundamentals of Effective Speaking <sup>1</sup> <b>OR</b>	
SPE 1111	Interpersonal Communications <sup>1</sup>	3

### Third Semester Credit Hours 14

GEN 2297	Employment Skills <sup>1</sup>	V2
IST 1220	Java Programming	3
IST 2202	Linux Essentials	3
IST 2280	Network Security	3

### **Choose 1 of the 2 Tracks Below:**

#### **Track 1: Network Administration**

IST 2240	Switching Routing & Wireless	3
----------	------------------------------	---

#### **Track 2: Cybersecurity Specialist**

IST 2203	Cybersecurity Essentials	3
----------	--------------------------	---

### Fourth Semester Credit Hours 15

IST 2210	IST Internship	3
IST 2232	IoT Big Data & Analytics	3
	Humanities Gen Ed Elective <sup>1*</sup> <b>OR</b>	
	Social Science Gen Ed Elective <sup>1*</sup>	3

### **Continue on 1 of the 2 Tracks Below:**

#### **Track 1: Network Administration**

IST 2215	Operating Systems for Networks	3
IST 2266	Enterprise Networking Security	3

#### **Track 2: Cybersecurity Specialist**

IST 2205	IoT Security	3
IST 2206	Cybersecurity Operations	<u>3</u>

### **Total Credit Hours** **60**

<sup>1</sup>General Education Hours (17)

\*Course must satisfy the IECC human diversity requirement.

## NETWORK TECHNICIAN CERTIFICATE (IST C216)

### First Semester Credit Hours 6

IST 1200	Introduction to Information Tech	3
IST 1260	Operating Systems	3

### Second Semester Credit Hours 12

IST 1201	Introduction to Networks	3
IST 1210	Information Tech Essentials	3
IST 1240	Business Apps Computing	3
IST 2231	IoT: Connecting Things	<u>3</u>

### **Total Credit Hours** **18**