



Electronics Technology – Networking Specialty
Level 1 Certificate

Catalog Year: 2019-20

Technology Pathway

AC Course Number	Required Course Titles	Credit Hours	Semesters Offered	Course Modalities
FIRST YEAR				
First Semester				
<input type="checkbox"/> ITCC 1314	CCNA 1: Introduction to Networks	3	F, Sp	F2F
<input type="checkbox"/> TECM 1301	Industrial Mathematics	3	F, Sp	Hyb
<input type="checkbox"/> CETT 1409	DC-AC Circuits	4	F, Sp	Hyb
<input type="checkbox"/> CETT 1325	Digital Fundamentals	3	F, Sp	Hyb
Second Semester				
<input type="checkbox"/> CETT 1349	DC-AC Circuits	3	Sp	Hyb
<input type="checkbox"/> ITCC 1340	CCNA 2: Routing and Switching Essentials	3	F, Sp	F2F
Third Semester				
<input type="checkbox"/> ITCC 2312	CCNA 3: Scaling Networks – CCNA R & S	3	F, Sp	F2F
<input type="checkbox"/> CETT 2337	Microcomputer Control	3	F, Sp	Hyb
<input type="checkbox"/> ITCC 2313	CCNA 4: WAN	3	F, Sp	F2F
TOTAL CREDIT HOURS		28		

Semesters: Fall (F), Winter (W)Spring (Sp), Summer (Su)

Modalities: Face-to-face (F2F), Internet/online (Int), Hybrid (Hyb)

Transfer Opportunities

Associate of Applied Science at Angelina College in Electronics Technology.

Bachelors of Applied Arts and Science at some universities. Students should check with the receiving institution to verify transferability.

Career Opportunities and Salaries

Networking Equipment Installer - \$20.25/hour
Network Technician - \$34.00/hour
Technical Support Specialist - \$56,698

Marketable Skills

- 1) Work well on a team
- 2) Define, explain and interpret technical information
- 3) Use critical thinking to identify strengths and weakness to determine solutions
- 4) Identify appropriate information sources
- 5) Use math to answer questions
- 6) Schedule/coordinate Operations
- 7) Use current technology to diagnose and solve problems
- 8) Use Troubleshooting to determine causes and decide what to do about it
- 9) Think on your feet

Technical Skills

Active Listening — giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.

Reading Comprehension — Understanding written sentences and paragraphs in work related documents.

Speaking — talking to others to convey information effectively.

Complex Problem Solving — identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.

Critical Thinking — using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Design, build and trouble shoot computer networks.