



Electronics Technology – Internet of Things
Associate of Applied Science

Catalog Year: 2018-19

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	F2F
<input type="checkbox"/> CETT 1409	DC-AC Circuits	4	F, Sp	Hyb
<input type="checkbox"/> CETT 1325	Digital Fundamentals	3	F, Sp	Hyb
<input type="checkbox"/> CPMT 1311	Introduction to Computer Maintenance	3	F	F2F
<input type="checkbox"/> TECM 1301	Industrial Mathematics	3	F, Sp, Su	Hyb
<input type="checkbox"/> STSU 0300	Student Success	0	F, W, Sp, Su	F2F, Int, Hyb
Second Semester				
<input type="checkbox"/> ENGL 1301	Composition I	3	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> SPCH 1318	Interpersonal Communication	3	F, W, Su	F2F, Int, Hyb
<input type="checkbox"/> CETT 1349	Digital Systems	3	F, Sp	Hyb
<input type="checkbox"/> ITCC 1340	CCNA 2: Routing and Switching Essentials	3	Sp	F2F
<input type="checkbox"/> CPMT 2350	Industry Certification Preparation	3	Sp	F2F
SECOND YEAR				
First Semester				
<input type="checkbox"/> LOTT 1301	Introduction to Fiber Optics	3	F	F2F
<input type="checkbox"/> SOCI 1301	Introductory Sociology	3	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> ITCC 2313	CCNA 3: Scaling Networks – CCNA R & S	3	F	F2F
<input type="checkbox"/> CETT 2435	Advanced Microprocessors	4	F	Hyb
<input type="checkbox"/> XXXX 13xx	Creative Arts Core*	3	F, Sp, Su	F2F, Int, Hyb
Second Semester				
<input type="checkbox"/> CETT 1457	Linear Integrated Circuits	4	Sp	Hyb
<input type="checkbox"/> PHYS 1305	Elementary Physics	3	F, W, Sp, Su	F2F, Int, Hyb
<input type="checkbox"/> ITCC 2313	CCNA 4: WAN	3	Sp	F2F
<input type="checkbox"/> CETT 2337 or CETT 2381	Microcomputer Control or Cooperative Education	3	F, Sp	Hyb 2337, F2F 2381
TOTAL CREDIT HOURS		60		

* Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310

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

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

Transfer Opportunities

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
Electronic Technician - \$55,160

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.

Understand how Embedded Controllers and wearable systems create the Internet of Things.