Information and Cybersecurity Technology Concentration
Bachelor of Science in Industrial Technology
AAS Degree Completion Program

ECU TECHNOLOGY SYSTEMS

Description of Program

The Bachelor of Science in Industrial Technology (BSIT) is a degree completion curriculum designed for students who hold a *qualifying* **Associate in Applied Science degree** (AAS) in an industrial or technology related field. There are two completion options: enroll to take main campus courses or complete courses online. The online option is for part-time enrollment only.

The *BSIT Information and Cybersecurity Technology concentration* focuses on the design, implementation, troubleshooting, and maintenance of computer systems and computer networks. Students may receive up to 38 hours of lower division major credits for completion of a qualifying AAS degree from a technology related field. In addition, up to 22 hours of general education credits may be applied towards the BSIT if equivalent to our requirements. Once enrolled in the BSIT information and cyber security technology (ICT) concentration, students will need to choose nine approved electives as part of the concentration. Which courses you should choose should align your transfer credits with your career path. Graduates are qualified for career advancement opportunities both in technology and managerial fields.

BSIT ICT concentration requirements:

- *Completion of an information technology related associate of applied science (AAS) degree program prior to ECU enrollment.*
- *Must have least one of the following prior to ECU enrollment:*
  - *Grade of C- or higher in NET 125 and NET 126.*
  - *Current CompTIA Network+ Certification.*
  - *Current Cisco CCNA Certification.*
- Minimum 60 semester hours must be completed at a four-year college or university.
- Minimum 33 semester hours of major coursework must be completed at ECU.
- Only courses with a 'C-' or better will transfer.
- Total 120 hours required for this degree.
- Visit the program website for admission requirements - cet.ecu.edu/techsystems.

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Program Website:	cet.ecu.edu/techsystems

BSIT ICT Degree Requirements

Industrial Technology & ICT Coursework (42 hours)

- Technical Writing
- Technology Project Management
- Cost and Capital Project Analysis
- Industrial Supervision
- Introduction to Statistical Process Control

Choose nine courses from below:

- Network Environment II (RHCSA) with lab
- Fundamental Network Security (Sec+) with lab
- Regulations and Policies
- Enterprise Server Technology
- Enterprise Server Programming
- IPv6 Fundamentals with lab
- Network Environment III (RHCE) with lab
- Cloud Management with lab
- Web Services Management with lab
- Ethical Hacking and Penetration Testing with lab
- Intrusion Detection Technologies with lab
- Advanced Enterprise Server Programming
- Implementing Cyberinfrastructure Sec (Palo Alto) [**] with lab
- Internetwork Routing Technology (CCNP) [**] with lab
- Network Automation & Programming (CCNP) [**] with lab
- Implement Enterprise Wireless Netw (CCNP) [**] with lab
- Digital Forensics with lab
- IPv6 Security with lab
- Wireless Communication with lab
- Enterprise Information Technology Management with lab
- Virtualization Technologies with lab
- Enterprise Data Storage Technologies with lab
- Cloud Infrastructure Services with lab
- Cloud Operations with lab
- Information Assurance Technologies with lab
- Cyberinfrastructure Security Management with lab

Courses to transfer or taken through ECU (78 hours)

AAS Technical courses (38 hrs)	**Math (3 hours)**
English (6 hours)	College Algebra
Composition I	**Humanities & Fine Arts (9 hrs)**
Composition II	At least one Humanities course
Natural Science (7 hours)	At least one Fine Art course
Social Science (9 hours)	Hum or Fine Art to total 9
Principles of Microeconomics	**General Ed Elective (3 hours)**
Introductory Psychology	**Health & Exercise (2, 1 hours)**
Personnel & Industrial	

[**] Current CCNA certification or NET 226 required as a prerequisite.

ACCREDITED BY ATMAE
The Association of Technology, Management, and Applied Engineering