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: transfer to the main campus or complete online. All required upper division major courses are offered entirely over the Internet, as well as, on the main campus during the day. For online students, these semester-based courses are delivered to allow students flexibility with regard to time and place. The courses are scheduled on a rolling cycle so that the major courses can be completed in as little as two or three years. The Department of Technology Systems has delivered internet-based instruction since 1995 to hundreds of students all over the world. Please note that our online option is designed for part-time enrollment to help professionals pursue a degree while working.

The BSIT Information and Computer Technology concentration focuses on the design, implementation, troubleshooting, and maintenance of computer systems and computer networks. In addition, students are prepared for upward mobility with basic management courses. 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. Graduates are qualified for career advancement opportunities both in technology and managerial fields.

BSIT ICT concentration requirements:

- **Completion of a computer related associate of applied science (AAS) degree program prior to enrollment.**
- **Current Cisco CCENT, CCNA, CCNP, or CompTIA Network + certification prior to enrollment.**
- Apply up to 60 semester hours from a regionally accredited community college or technical institute.
- 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 www.ecu.edu/BSIT.

## 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:

- Internet Tools Tech (required for online option)
- Fundamental Network Security with lab
- Network Environment II (RHCSA) with lab
- Network Environment III (RHCE) with lab
- Web Services Management with lab
- Enterprise Data Storage Technologies
- Enterprise Information Technology Management
- Enterprise Information Security
- Enterprise Server Technology
- Enterprise Server Programming
- Regulations and Policies
- Wireless Communication with lab
- Intrusion Detection Technologies with lab
- Digital Forensics
- IPv6 Fundamentals
- IPv6 Security
- Cloud Infrastructure Services
- Virtualization Technologies with lab
- Information Assurance Technologies with lab
- Internetwork Routing Technology (CCNP) with lab
- Switching Network Technology (CCNP) with lab
- Enterprise Netw Security Tech. (CCNA Security) with lab
- Netw Maintenance & Troubleshooting (CCNP) with lab

### Courses to transfer or taken through ECU (78 hours)

<table>
<thead>
<tr>
<th>AAS Technical courses (38 hrs)</th>
<th>Math (3 hrs)</th>
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<tbody>
<tr>
<td>English (6 hrs)</td>
<td>College Algebra</td>
</tr>
<tr>
<td>Composition I</td>
<td>Humanities &amp; Fine Arts (9 hrs)</td>
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<tr>
<td>Composition II</td>
<td>At least one Humanities course</td>
</tr>
<tr>
<td>Natural Science (7 hrs)</td>
<td>At least one Fine Art course</td>
</tr>
<tr>
<td>Social Science (9 hrs)</td>
<td>Hum or Fine Art to total 9 hours</td>
</tr>
<tr>
<td>Principles of Microeconomics</td>
<td>General Ed Elective (3 hours)</td>
</tr>
<tr>
<td>Introductory Psychology</td>
<td>Health &amp; Exercise (2, 1 hours)</td>
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<tr>
<td>Personnel &amp; Industrial Psychology</td>
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</tbody>
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**Program Coordinator:** Dr. David Batts  
**Email:** battsd@ecu.edu  
**Phone:** (252) 328-9673  
**Program Academic Advisor:** Allison Winters  
**Email:** wintersa18@ecu.edu  
**Phone:** (252) 328-9301  
**Program Website:** [www.ecu.edu/BSIT](http://www.ecu.edu/BSIT)

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*Current MCP Exam 70-290 or Exam 70-291 or MCSA or MCSE certification required as a prerequisite.

**Current CCNA certification required as a prerequisite.

"FINA 2244 (equivalent to BUS 115 from the NCCCS) required as a prerequisite.

For more information about admission, tuition, financial aid, housing, and more, please visit ECU’s website at [www.ecu.edu](http://www.ecu.edu)