



Information and Computer Technology Concentration

Bachelor of Science in Industrial Technology

Online AAS Degree Completion Program

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 nation. Please note that our online option is designed for part-time enrollment of one to two courses per term though more courses can be taken if seats are available.

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 37 hours of lower division major credits for completion of a qualifying AAS degree from a technology related field. In addition, up to 26 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 63 semester hours from an accredited community college or technical institute.
- At least 63 semester hours must be completed at a four-year college or university.
- At least 42 semester hours of major coursework must be completed at ECU (available online).
- Only courses with a 'C' or better will transfer.
- Total 126 hours required for this degree.

Tuition & Fees (subject to change)

NC Resident: \$99 per credit
 Non-resident: \$454 per credit



BSIT ICT Degree Requirements

Industrial Technology & ICT Coursework (42 hours)

- ITEC 3000 Internet Tools Technology
- ITEC 3290 Technical Writing
- ITEC 3300 Technology Project Management
- ITEC 3800 Cost and Capital Project Analysis
- ITEC 4293 Industrial Supervision
- ITEC 3200 Introduction to Statistical Process Control

Choose eight courses from below:

- ICTN 2000 Introduction to Telecommunications
- ICTN 2900 Introduction to Network Security
- ICTN 2530 Network Environment II (RHCT)
- ICTN 3540 Network Environment III (RHCE)
- ICTN 3900 Web Services Management ¹
- ICTN 4040 Communication Security
- ICTN 4064 Regulations and Policies
- ICTN 4010 User App. Mgmt and Emerging Technology
- ICTN 4200 Intrusion Detection Technologies
- ICTN 4600 Enterprise Info Technology Management
- ICTN 4800 Information Assurance Technologies
- ICTN 3250 Internetwork Routing Technology (CCNP) ²
- ICTN 4150 Switching Network Technology (CCNP) ²
- ICTN 4250 Enterprise Network Technology (CCNP) ²
- ICTN 4592 Optimizing Converged Networks (CCNP) ²

¹ Current MSCA, MSCP, Exam 70-290, or Exam 291 certification required as a prerequisite.

² Current CCNA certification required as a prerequisite.

Courses to transfer or taken online (84 hours)

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| AAS Technical courses (37 hrs) | Math (5 hrs) |
| English (6 hrs) | MATH 1065 College Algebra |
| ENGL 1100 Composition | MATH 1074 Trigonometry |
| ENGL 1200 Composition | Humanities & Fine Arts (10 hrs) |
| Natural Science (8 hrs) | At least one in Humanities |
| Social Science (12 hrs) | COMM 2420 or 2410 Speech |
| ECON 2113 Prin. of Microecon | Hum/Fine Arts to total 10 hrs |
| PSYC 1000 Intro to Psychology | Other Cognates (3 hrs) |
| PSYC 3241 Industrial Psyc | FINA 2244 Legal Envir. of Bus. |
| Social Science Elective | Health & Exercise (3 hrs) |

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