



# *Manufacturing Systems 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 Manufacturing Systems Concentration* prepares students for careers in fields such as manufacturing and operations management, supervision, and materials planning. 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.

#### Program requirements

- Completed a qualified associate of applied science degree program.
- 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.
- Meet ECU admission requirements as set by ECU Office of Admissions ([www.ecu.edu/admissions](http://www.ecu.edu/admissions))
  - Cumulative Transfer GPA of 2.5 or higher and 30 hours of transferable course work
  - 6 transferable hours in English Composition equivalent to ENGL 1100 & ENGL 1200.
  - 3 transferable hours of Math equivalent to MATH 1065 College Algebra.

#### Industrial Technology Degree Requirements

##### Industrial Technology Coursework (42 hours)

- ITEC 3290 Technical Writing
- ITEC 3300 Technology Project Management
- ITEC 3800 Cost and Capital Project Analysis
- ITEC 4293 Industrial Supervision
- ITEC 3200 Introduction to SPC
- ITEC 3292 Industrial Safety
- ITEC 4300 Quality Assurance
- IENG 3300 Plant Layout & Materials Handling
- IENG 4020 Manufacturing System Planning
- IENG 4023 Advanced Manufacturing Systems
- IENG 4200 Work Methods & Ergonomic Analysis
- Approved Technical Elective or ITEC 3000 Internet Tools Technology (required for the online option)
- Approved Technical Elective

##### Courses to transfer or taken through ECU (84 hours)

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

#### Contact Information

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<b>Program Website:</b>	<a href="http://www.tecs.ecu.edu/BSIT">www.tecs.ecu.edu/BSIT</a>

This program is accredited by the Association of Technology, Management, and Applied Engineering (ATMAE) and the Southern Association of Colleges and Schools (SACS).

#### Tuition & Fees for Online

(subject to change)

NC Resident: \$128 per credit  
 Non-resident: \$553 per credit



Visit [www.ecu.edu/cashier](http://www.ecu.edu/cashier) for main campus tuition & fee rates.