Bachelor of Science in Industrial Technology
AAS Degree Transfer 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 (AAS) degree in an industrial or technology related field. Based on the technical content of the AAS program, students may receive up to 37 hours of major course credit toward the BSIT lower level major core and free electives. Degree requirements are summarized below. Credit for general education is granted based on standard agreements between ECU and the community college system.

| General education and cognates | From AAS, ECU or other colleges/uni | 47 hours |
| Lower division major coursework and free electives | From AAS major coursework | 37 hours |
| Upper division major coursework | From ECU: on-campus or online | 42 hours |
| Total required | | 126 hours |

There are two completion options: transfer to the main campus or complete online. Depending on the concentration you choose and the courses transferring into ECU, this program is offered as an online option and as a main campus option. For online students, these semester-based courses are delivered to allow students flexibility with regard to time and place. 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.

For students who plan to attend on main campus, courses are available in a traditional classroom setting as daytime courses. Students are typically able to complete the upper level major coursework in two years if enrolled full-time.

The Association of Technology, Management, and Applied Engineering accredits this degree program. Additionally, ECU is regionally accredited by the Southern Association of Colleges and Schools.

Program Requirements
- Completed a qualifying associate of applied science (AAS) degree program prior to enrollment.
- Apply up to 63 semester hours of the 126 required from a regionally accredited community college.
- At least 63 semester hours of the 126 required semester hours must be completed at a four-year college or university.
- The 42 semester hours of major coursework must be completed at ECU (available online or main campus).
- Only courses with a ‘C’ or better will transfer.
- Meet ECU admission requirements as set by ECU Office of Admissions (www.ecu.edu/admissions)
  - Cumulative GPA of 2.5 or higher and 30 hours of transferable coursework
  - 6 transferable hours in English Composition equivalent to ENGL 1100 & ENGL 1200
  - 3 transferable hours of Math equivalent to MATH 1065 College Algebra

Required Coursework
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

Choose one concentration (requires nine courses):
- Mechanical Design (main campus only)
  Courses in Rapid Prototyping, Jig & Fixture Design, Geometric Dimensioning and Tolerancing, Introduction to CNC, CIM, Plant Layout and Materials Handling, & more.
- Architectural Design (main campus only)
- Information & Computer Technology¹ (main campus & online)

¹ Requires a networking, computer, or electronics related AAS degree & current professional certification of Cisco CCENT, CCNA, CCNP, or CompTIA Network+ to qualify for this concentration.

- Industrial Distribution & Logistics (main campus and online)
  Courses in Introduction to Distribution & Logistics, Technical Presentations, Transportation Logistics, Purchasing Logistics, Supply Chain Logistics, Global Logistics, Strategic Pricing, & more.
- Manufacturing Systems (main campus and online)
- Industrial Supervision (main campus and online)
  Courses in Introduction to Logistics, Technical Presentations, Supply Chain Logistics, Industrial Safety, Quality Assurance, Plant Layout & Materials Handling, Lean Manufacturing, & more.
- Bioprocess Manufacturing² (main campus and online)
  Courses in Microbiology for Ind Processing, Engineering for Food Safety & Sanitation, Separation Techniques, Waste Treatment Techniques, Ind. Safety, Quality Assurance, & more.

² Requires a biotechnology related AAS degree.

General Education and Cognates (84 hours):
- AAS Technical courses (37 hrs) Math (5 hrs):
  - English (6 hrs) MATH 1065 College Algebra
  - ENGL 1100 Composition MATH 1074 Trigonometry
  - ENGL 1200 Composition

Natural Science (8 hrs)*
- ENGL 2013 Prin. of Microeconomics Humanities & Fine Arts (10 hrs)
- ECON 2113
- PSYC 1000 Introductory Psychology At least one in Humanities
- PSYC 3241 Industrial Psychology COMM 2410 or 2420 Speech
- Social Science Elective Hum/Fine Arts to total 10 hrs
  - Health & Exercise (3 hrs)
  - Cognates (3 hrs)

Contact Information
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www.ecu.edu/tecs/BSIT

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