



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 / universities	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 can transfer to the 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 National Association of Industrial Technology accredits this degree program. Additionally, ECU is accredited by the Southern Association of Colleges and Schools.

For more information about ECU's admission, tuition, financial aid, housing, and campus tours, please visit ECU's website at www.ecu.edu. For information on ECU's online degree options, please visit www.options.ecu.edu.

Program requirements

- Completed a qualifying associate of applied science (AAS) degree program.
- Apply up to 63 semester hours of the 126 required from an accredited community college or technical institute.
- 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.

Contact Information

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BSIT Advisor

Program Academic Advisor (once enrolled)
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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 (includes 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)
 Courses in Architectural Drafting, Architectural Design & Drafting, Sustainable Design, Introduction to Planning Techniques, Introduction to GIS in Planning, Urban Form & Design, & more.
- Information & Computer Technology¹** (main campus and online)
 Courses in Introduction to Network Security, Network Environment II & III, Web Services Management, Communication Security, Regulations and Policies, Intrusion Detection Technologies, CCNP, & more.
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)
 Courses in Industrial Safety, Quality, Plant Layout & Materials Handling, Manufacturing System Planning, Advanced Manufacturing Systems, Work Methods & Ergonomic Analysis, & more.
- 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)

English (6 hrs)

- ENGL 1100 Composition
- ENGL 1200 Composition

Natural Science (8 hrs)

Social Science (12 hrs)

- ECON 2113 Prin. of Microeconomics
- PSYC 1000 Introductory Psychology
- PSYC 3241 Industrial Psychology
- Social Science Elective

Math (5 hrs)

- MATH 1065 College Algebra
- MATH 1074 Trigonometry

Humanities & Fine Arts (10 hrs)

- At least one in Humanities
- COMM 2410 or 2420 Speech
- Hum/Fine Arts to total 10 hrs

Health & Exercise (3 hrs)

Cognates (3 hrs)

- FINA 2244 Legal Envir. of Business