Department of Technology Systems

College of Engineering and Technology
East Carolina University
(252) 328-9754 | tsys@ecu.edu
www.ecu.edu/BSIT

BS in Industrial Technology (BSIT) Transfer Program

The BSIT is a degree completion program designed for students who hold a qualifying associate in applied science (AAS) in an approved industrial, business, and/or technical field.

BSIT Transfer Admission Requirements

Students transferring with an Associate of Applied Science degree included in the approved list on the next page:

- Completed Associate in Applied Science (AAS) degree in approved technical area by the first day of enrollment at ECU. The approved AAS programs can be viewed at www.ecu.edu/bsit as well as listed in the next section.
- Cumulative 2.5 GPA from all post-secondary institutions attended.
- The equivalent to ECU's ENGL 1100 Foundations of College Writing.

Students transferring with an Associate of Applied Science degree <u>not</u> included in the approved list on the next page:

- Cumulative 2.5 GPA from all post-secondary institutions attended.
- The equivalent to ECU's ENGL 1100 Foundations of College Writing.
- Must have the AAS degree approved by the BSIT Program Coordinator.

Students planning to enroll in the BSIT program should contact the appropriate BSIT academic advisor (listed on the next page) at least six months prior to applying for admission. Inquiries may also be directed to ecuBSIT@ecu.edu.

Helpful Resources

BSIT Program Information and Resources – www.ecu.edu/BSIT

ECU Undergraduate Admissions (application and deadlines) – www.ecu.edu/admissions

ECU Tuition and Fees - www.ecu.edu/cashier/tufee.cfm

ECU Academic Calendar - www.ecu.edu/fsonline/senate/fscalend.cfm

Approved Associate of Applied Science Degrees for the BSIT

- Aerostructure Manufacturing and Repair (A50450)
- Air Conditioning, Heating, & Refrigeration Tech (A35100)
- Applied Engineering Technology (A40130)
- Architectural Technology (A40100)
- Automation Engineering Technology (A40120)
- Automotive Systems Technology (A60160)
- Aviation Systems Technology (A60200)
- Biopharmaceutical Technology (A20180)
- Bioprocess Technology (A50440)
- Biotechnology (A20100)
- Building Construction Technology (A35140)
- Business Administration/Logistics Mgmt (A2512E)
- Business Administration/Operations Mgmt (A2512G)
- Chemical Process Technology (A50110)
- Chemical Technology (A20120)
- Civil Engineering Technology (A40140)
- Collision Repair and Refinishing Technology (A60130)
- Computer Engineering Technology (A40160) see note below
- Computer Information Technology (A25260) see note below
- Computer-Integrated Machining (A50210)
- Computer-Aided Drafting Technology (A50150)
- Computer Technology Integration (A25500)*
- Construction Management Technology (A35190)
- Cyber Crime Technology (A55210)
- Diesel and Heavy Equipment Technology (A60460)
- Electric Utility Substation & Relay Technology (A50510)
- Electrical/Electronics Technology (A35220)
- Electrical Engineering Technology (A40180)
- Electrical Systems Technology (A35130)
- Electronics Engineering Technology (A40200)
- Environment, Health, and Safety Technology (A50160)
- Facility Maintenance Technology (A50190)

- Global Logistics Technology (A25170)
- General Occupational Technology (A55280)
- Geospatial Technology (A40220) NEW
- Global Logistics and Distribution Mgmt Tech (A25610)
- Healthcare Business Informatics (A25510) see note below
- Industrial Engineering Technology (A40240)
- Industrial Management Technology (A50260)
- Industrial Systems Technology (A50240)
- Information Systems Security (A25270) see note below
- Info Systems Security/Security Hardware (A2527B) see note below
- Information Technology (A25590) see note below
- Interior Design (A30220)
- Machining Technology (A50300)
- Machining Technology/Tool, Die, and Mold Making (A5030A)
- Manufacturing Technology (A50320)
- Manufacturing Technology/Integrated Operations (A5032C)
- Manufacturing Technology/Composites (A5032D)
- Manufacturing Technology/Plastics (A5032A)
- Manufacturing Technology/Quality Assurance (A5032B)
- Mechanical Drafting Technology (A50340)
- Mechanical Engineering Technology (A40320)
- Mechatronics Engineering Technology (A40350)
- Mission Critical Operations – Information Tech (A40430I)
- Mission Critical Operations – Operations Tech (A40430O)
- Networking Technology (A25340)
- Nondestructive Examination Technology (A50350)
- Nuclear Technology (A50460)
- Project Management Technology (A25390)
- Supply Chain Management (A25620)
- Sustainability Technologies (A40370)
- Welding Technology (A50420)

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Technical, industrial, or business related AAS degrees not listed above must be approved by the BSIT program coordinator prior to applying for ECU admission.

All information provided in this flyer is subject to change without notification.

To qualify for the BSIT information and computer technology (ict) or the health information technologies (hit) concentrations, you must have least one of the following:
- Grade of C or higher in NET 125 and NET 126.
- Current CompTIA Network+ Certification.
- Current Cisco CCNA or CCNP Certification.

For more information:

- **BSIT Program Coordinator:**
  Dr. David Batts, battsd@ecu.edu, 252-328-9673

- **BSIT ict & hit concentrations Program Academic Advisor:**
  Allison Winters, wintersa18@ecu.edu, 252-328-9309

- **BSIT all other concentrations Program Academic Advisor:**
  Jason Denius, deniusb@ecu.edu, 252-328-9610

- **Program Website:** www.ecu.edu/BSIT

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.

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 World. Please note that our online option is designed for part-time enrollment to help professionals pursue a degree while working.

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 60 semester hours of the 120 required from a regionally accredited community college.
- Minimum 60 semester hours of the 120 required semester hours must be completed at a four-year institution.
- The 33 semester hours of major coursework must be completed through ECU.
- Only courses with a 'C' or better will transfer.
- Meet ECU admission requirements (www.ecu.edu/admissions)
  - Cumulative GPA of 2.5 or higher and 24 hours of transferable course work
  - 3 transferable hours in English Composition equivalent to ENGL 1100

Contact Information

ecuBSIT@ecu.edu
(252) 328-9301
www.ecu.edu/tsys

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Required Coursework

Industrial Technology Core Coursework (15 hours):

- Technical Writing
- Technology Project Management
- Cost and Capital Project Analysis
- Industrial Supervision
- Introduction to SPC

Choose one concentration (27 hours):

- **Mechanical Design Technology** (main campus only)
  Courses such as Rapid Prototyping, Jig & Fixture Design**,** Geometric Dimensioning and Tolerancing, CNC, CIM, Plant Layout & Materials Handling.

- **Architectural Design Technology** (main campus only)
  Courses such as Architectural Design & Drafting, Sustainable Design, Planning Techniques, Introduction to GIS in Planning, Urban Form & Design.

- **Health Information Technologies[1]** (main campus and online options)
  Courses such as Medical Terminology, Health Care Delivery Methods, Quality Management, Professional Roles & Environments, Payment Systems, Ethical Codes & Law, Health Information Management.
  [1] Requires a networking or computer related AAS degree plus current professional certification of Cisco CCENT, CCNA, CCNP, or CompTIA Network+ to qualify for this concentration.

- **Information & Computer Technology[2]** (main campus & online options)
  Courses such as Network Security, Network Environment II & III, Web Services Management, Communication Security, Regulations and Policies, Intrusion Detection Technologies, CCNP, & more.
  [2] Requires a networking, computer, or electronics related AAS degree plus current professional certification of Cisco CCENT, CCNA, CCNP, or CompTIA Network+ to qualify for this concentration.

- **Distribution & Logistics** (main campus and online options)
  Courses such as Introduction to Distribution & Logistics, ERP Systems, Transportation Logistics, Purchasing Logistics, Supply Chain Logistics, Global Logistics, Strategic Pricing, & more.

- **Industrial Engineering Technology** (main campus and online options)
  Courses such as Industrial Safety, Quality, Plant Layout & Materials Handling, Manufacturing System Planning, Advanced Manufacturing Systems, Work Methods & Ergonomic Analysis, & more.

- **Industrial Management** (main campus and online options)
  Courses such as Distribution & Logistics, Technical Presentations, Supply Chain Logistics, Industrial Safety, Quality Assurance, Plant Layout & Materials Handling, Lean Manufacturing, & more.

- **Bioprocess Manufacturing[3]** (main campus and online options)
  Courses in Microbiology for Ind Processing, Engineering for Food Safety & Sanitation, Separation Techniques, Waste Treatment, Safety, Quality.
  [3] Requires a biotechnology related AAS degree.

General Education and Cognates (78 hours):

AAS Technical courses (38 hours)	Math (3 hours)
English (6 hours)	College Algebra
Composition I	**Humanities & Fine Arts (9 hours)**
Composition II	At least one Humanities course
Natural Science (7 hours)*	At least one Fine Art course
Social Science (9 hours)	Hum or Fine Art to total 3 hours
Principles of Microeconomics	**General Ed Elective (3 hours)**
Introductory Psychology	**Health & Exercise (2, 1 hours)**
Personnel & Industrial Psychology	

*contact an ECU BSIT academic advisor for BSIT architectural and BSIT mechanical concentration natural science requirements