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 38 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 (admissions.ecu.edu)
  - Cumulative GPA of 2.0 or higher and 24 hours of transferable course work

Contact Information
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The Association of Technology, Management, and Applied Engineering

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 & Wake Tech Comm College)
  Courses such as Additive Manufacturing, Jig & Fixture Design, Geometric Dimensioning and Tolerancing, CNC, CIM, Machine and Tool Design.

- **Architectural Design Technology** (main campus only)
  Courses such as Architectural Design & Drafting, BIM, Sustainable Design, Virtual Reality, Architectural Visualization, Building Systems & Codes, & more..

- **Information & Cybersecurity Technology[1]** (main campus & online options)
  Courses such as Network Security, Network Environment II & III, Web Services Management, Communication Security, Regulations & Policies, Intrusion Detection Technologies, CCNP, Palo Alto, Cloud Systems & more.

  [1] Requires a networking, computer, or electronics related AAS plus either grade of C- or higher in NET125 and NET 126; or current CompTIA network + certification; or Cisco CCNA or CCNP certification.

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

- **Industrial Engineering Technology** (main campus and online options)
  Courses such as Industrial Safety, Quality Assurance, 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[2]** (main campus and online options)
  Courses in Microbiology for Ind Processing, Engineering for Food Safety & Sanitation, Separation Techniques, Waste Treatment, Safety, & Quality.

  [2] 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 recommendations.