



Architectural Design Technology Concentration

Bachelor of Science in Industrial Technology

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. All required degree courses are offered on ECU's campus during the daytime.

The **BSIT Architectural Design Technology Concentration** emphasizes application of state of the art software, digitizing, and product realization /development equipment. Graduates have the opportunity to work as design professionals or as members of a design team. Many graduates progress to supervise a design team or manage a design project. Graduates meet nationally recognized standards in demonstrating knowledge and skills in applying design practices and drafting concepts to solve a broad and varied range of design problems. Professional opportunities upon graduation are found in a range of architecture and engineering related disciplines.

This option prepares individuals to assist architects in developing plans and related documentation and in performing architectural office services. It includes instruction in architectural drafting, computer-assisted drafting & design, construction methods & materials, environmental systems, building codes & standards, structural principles, cost estimation, planning documentation, visual communication skills, display production, & architectural office management.

Program requirements

- Completed a qualifying associate of applied science degree program.
- Apply up to 60 semester hours of the 120 required from an accredited community college or technical institute.
- At least 60 semester hours of the 120 required semester hours must be completed at four-year regional accredited colleges or universities.
- At least 33 semester hours of major coursework must be completed at ECU.
- Only courses with a 'C' or better will transfer.
- Total 120 hours required for this degree.

Visit the program website for admission requirements, www.ecu.edu/BSIT.

Industrial Technology Degree Requirements

Industrial Technology Major Coursework (42 hours)

- Technical Writing
- Technology Project Management
- Cost and Capital Analysis
- Industrial Supervision
- Introduction to Statistical Process Control
- Engineering Graphics II with Lab
- Architectural Drafting with Lab
- Architectural Design & Drafting with Lab
- Sustainable Design with Lab
- Introduction to Planning Techniques
- Introduction to GIS in Planning
- Urban Form and Design
- Two Approved Technical Electives

Courses to transfer or taken at ECU (78 hours)

AAS Technical courses (38 hrs)

English (6 hrs)

Composition I

Composition II

Natural Science (7 hrs)

* College Physics 1 with lab

* Envir. Geol or Envir. Biology

General Ed Elective (3 hrs)

Health & Exercise (2, 1 hrs)

Math (3 hrs)

College Algebra

Humanities & Fine Arts (9 hrs)

At least one in Humanities

At least one in Fine Art

Hum/Fine Arts to total 9 hrs

Social Science (9 hrs)

Principles of Microeconomics

Introductory Psychology

Personnel & Industrial Psychology

*highly recommended for natural sciences-- required prerequisite for DESN courses.

Contact Information

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

For more information about admission, tuition, financial aid, housing, and more, please visit ECU's website at www.ecu.edu.