ECU

Architectural Design Tech 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. The BSIT Architectural Design Technology concentration is offered only on main campus during the day (not an online option).

The **BSIT Architectural Design Technology Concentration** 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 design, building information modeling, environmental systems, building codes & standards, structural principles, cost estimation, planning documentation, visual communication skills, display production, & architectural office management.

Graduates from this program 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.

Program requirements

- Completed a qualifying associate of applied science degree program.
- Apply up to 60 semester hours of the 120 required from a regional 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.

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

ACCREDITED BY
ATMAE
The Association of Technology,
Management, and Applied Engineering

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
- Reality Capture
- Architectural Visualization
- Advanced BIM
- Capstone
- **Choose 5 courses from:**
  - Intro to BIM with Lab
  - Computer Aided Design with Lab
  - Architectural Drafting with Lab
  - Engineering Graphics II with Lab
  - Arch Design & Drafting with Lab
  - Sustainable Design with Lab
  - Industrial Safety
  - Fundamentals in GIS
  - Introduction to Planning Techniques
  - Urban & Regional Planning
  - Urban Form and Design

Courses to transfer or taken at ECU (78 hours)

AAS Technical courses (38 hrs)	**Math (3 hours)**
English (6 hours)	College Algebra
Composition I	**Humanities/Fine Arts (9 hrs)**
Composition II	At least one in Humanities
General Ed Elective (3 hours)	At least one in Fine Art
Health & Exercise (2, 1 hours)	Hum/Fine Arts to total 9 hrs
Natural Science (7 hours)	**Social Science (9 hours)**
* College Physics 1 with lab	Principles of Microeconomics
* Envir. Geol or Envir. Biology	Introductory Psychology
*highly recommended as natural science for this discipline	Personnel & Ind. Psychology

Contact Information

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