Architectural 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 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 and design, construction methods and materials, environmental systems, building codes and standards, structural principles, cost estimation, planning documentation, visual communication skills, display production, and architectural office management.

Program requirements

- Completed a qualifying associate of applied science 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 four-year colleges or universities.
- At least 36 semester hours of major coursework must be completed at ECU.
- Only courses with a ‘C’ or better will transfer.
- Meet ECU admission requirements as set by ECU Office of Admissions (www.ecu.edu/admissions)

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 (84 hours)

AAS Technical courses (37 hrs)

- Math (5 hrs)
  - College Algebra
  - Applied Trigonometry
- English (6 hrs)
  - Composition I
  - Composition II
- Natural Science (8 hrs)
  - College Physics 1 with lab
  - Envi. Geol or Envir. Biology
- Social Science (12 hrs)
  - Principles of Microeconomics
  - Introductory Psychology
  - Personel & Industrial Psychology
- Humanities & Fine Arts (10hrs)
  - At least one in Humanities
  - At least one in Fine Art
  - Hum/Fine Arts to total 10 hrs
- Other Cognates (3 hrs)
  - Legal Environment of Business
  - Health & Exercise (2, 1 hrs)
- Natural Science (8 hrs)
  - College Physics 1 with lab
  - Envi. Geol or Envir. Biology
- Social Science (12 hrs)
  - Principles of Microeconomics
  - Introductory Psychology
  - Personel & Industrial Psychology
- Humanities & Fine Arts (10hrs)
  - At least one in Humanities
  - At least one in Fine Art
  - Hum/Fine Arts to total 10 hrs
- Health & Exercise (2, 1 hrs)
  - Legal Environment of Business
  - Health & Exercise (2, 1 hrs)

Contact Information

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Program Website: www.ecu.edu/BSIT

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.