



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.



Industrial Technology Degree Requirements

Industrial Technology Coursework (42 hours)

- ITEC 3290 Technical Writing
- ITEC 3300 Technology Project Management
- ITEC 3800 Cost and Capital Project Analysis
- ITEC 4293 Industrial Supervision
- ITEC 3200 Introduction to Statistical Process Control
- DESN 3032 Engineering Graphics II with Lab
- DESN 3030 Architectural Drafting with Lab
- DESN 3036 Architectural Design & Drafting with Lab
- DESN 3038 Sustainable Design with Lab
- PLAN 3021 Introduction to Planning Techniques
- PLAN 3051 Introduction to GIS in Planning
- PLAN 4003 Urban Form and Design
- Approved Technical Electives (6 hours)

Courses to transfer or taken online (84 hours)

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| AAS Technical courses (37 hrs) | Math (5 hrs) |
| English (6 hrs) | MATH 1065 College Algebra |
| ENGL 1100 Composition | MATH 1074 Trigonometry |
| ENGL 1200 Composition | Humanities & Fine Arts (10 hrs) |
| Natural Sciences (8 hrs) | At least one in Humanities |
| Social Science (12 hrs) | COMM 2420 or 2410 Speech |
| ECON 2113 Prin. of Microecon | Hum/Fine Arts to total 10 hrs |
| PSYC 1000 Intro to Psychology | Other Cognates (3 hrs) |
| PSYC 3241 Industrial Psyc | FINA 2244 Legal Envir. of Bus. |
| Social Science Elective | Health & Exercise (3 hrs) |

Contact Information

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This program is accredited by the National Association of Industrial Technology (NAIT) 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.