

ECU BS in Industrial Technology (BSIT) AAS Transfer Program

North Carolina Community College System Degree Specific Equivalencies for the 2018-19 catalog (proposed)



Transfer students may apply up to 60hrs of NCCCS equivalent coursework listed below towards their BSIT degree.

BSIT ECU Course and Hours		NCCCS Equivalent Transferable Course and Hours	
ENGL 1100 Composition I	3	ENG 111	
ENGL 1200 or 2201 Composition II	3	ENG 112 (ENG 113 or 114 if taken prior to Spring 2018 term)	
Humanities or Fine Arts (9 hours total)			
Humanities elective	3	Choice of 1 course: ENG 113, 131, 231, 232, 233, 241, 242, 243, 251, 252, 261, 262 HUM 110, 115, 120, 121, 122, 130, 150, 160, 161, 211, 212, 220 PHI 210, 215, 220, 230, 240, 250, REL 110, 111, 112, 211, 212, 221	
Fine Art elective	3	Choice of 1 course: COM 231 (highly recommended) ART 111, 114, 115, 116, 117, COM 111, DAN 110 DRA 111, 112, 115, 120, 126, 211, 212 MUS 110, 112 - 114, 121, 132 - 136, 210 - 213, 233 - 234	
Additional 3 hours of humanities and/or fine art	3	Choose one course not already taken above: ENG 131, 231, 232, 233, 241, 242, 243, 251, 252, 261, 262 HUM 110, 115, 120, 121, 122, 130, 150, 160, 161, 211, 212, 220 PHI 210, 215, 220, 230, 240, 250, REL 110, 111, 112, 211, 212, 221 ART 111, 114, 115, 116, 117, COM 111, 121, 231, DAN 110 DRA 111, 112, 115, 120, 126, 211, 212 MUS 110, 112 - 114, 121, 132 - 136, 210 - 213, 233 - 234	
Social Sciences (9 hours total)			
ECON 2113 Microeconomics	3	ECO 251	
PSYC 1000 Introductory Psychology	3	PSY 150	
PSYC 3241 Personnel & Industrial Psyc	3	No equivalency	X
Natural Sciences (7 hours total)			
Two courses (7 hours) of natural science of which one course must have a lab component.	4 3	Choice of 2 courses, at least one with a lab component (physics is preferred): ANT 230; AST 111, 151, 152, BIO 110, 111, 112, 120, 130, 140*, CHM 131, 132, 135, 136, 151, 152, GEL 111, 113, 120, 230* PHY 110, 131 ¹ , 132 ¹ , 133 ¹ , 151 ¹ (required for both BSIT Design concentrations), 152, 251, 252, *BSIT Arch Desn should take BIO 140 or GEL 230	
Any General Education course (3 hours total)			
Any Humanities, Fine Art, Social Science, or Natural Science elective	3	Choice of 3 hour any general education course from above not already completed. *ENG 113 can be applied here if not used as a humanities above.	
MATH 1065 College Algebra	3	MAT 122, 161, 171, 175/175A, 271, 272, 273	
HLTH 1000 Health in Modern Society	2	HEA 110 or 201	
KINE (formally EXSS) physical activity course	1	HEA 110 (if taken after Su16) or PED 110	
Major lower level technology coursework	24	Completion of an approved AAS degree (block credit)	24
Major upper level technology coursework	15	No equivalency	X
Major concentration technology coursework	27	No equivalency	X
Free electives	14	Any college transferable/AAS major credit	14
Program Total	120	Maximum applicable 2 year credits is 60 hours	60

This equivalencies worksheet is intended for planning purposes only and is not for official use. ECU curriculums are subject to change. Official curriculum requirements are posted in the ECU Undergraduate Catalog - www.ecu.edu/catalog.

For more information, visit our website at www.ecu.edu/tsys or contact us at ecuBSIT@ecu.edu.



ECU

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 37 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

- 1. Completed a qualifying associate of applied science (AAS) degree program prior to enrollment.
- 2. Apply up to 60 semester hours of the 120 required from a regionally accredited community college.
- 3. Minimum 60 semester hours of the 120 required semester hours must be completed at a four-year institution.
- 4. The 33 semester hours of major coursework must be completed through ECU.
- 5. Only courses with a 'C' or better will transfer.
- 6. Meet ECU admission requirements (www.ecu.edu/admissions)
- 7. Cumulative GPA of 2.5 or higher and 24 hours of transferable course work
- 8. 3 transferable hours in English Composition equivalent to ENGL 1100

Contact Information
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Required Coursework

Industrial Technology Core Coursework (15 hours):

- 1. Technical Writing
- 2. Technology Project Management
- 3. Cost and Capital Project Analysis
- 4. Industrial Supervision
- 5. Introduction to SPC



Choose one concentration (27 hours):

- 1. **Mechanical Design Technology** (main campus only)
 Courses such as Rapid Prototyping, Jig & Fixture Design, Geometric Dimensioning and Tolerancing, CNC, CIM, Plant Layout & Materials Handling.
- 2. **Architectural Design Technology** (main campus only)
 Courses such as Architectural Design & Drafting, Sustainable Design, Planning Techniques, Introduction to GIS in Planning, Urban Form & Design.
- 3. **Health Information Technologies**¹ (main campus and online options)
 Courses such as Medical Terminology, Health Care Delivery Methods, Quality Management, Professional Roles & Environments, Payment Systems, Ethical Codes & Law, Health Information Management.
¹ Requires a networking or computer related AAS degree plus current professional certification of Cisco CCENT, CCNA, CCNP, or CompTIA Network+ to qualify for this concentration.
- 4. **Information & Computer Technology**² (main campus & online options)
 Courses such as Network Security, Network Environment II & III, Web Services Management, Communication Security, Regulations and Policies, Intrusion Detection Technologies, CCNP, & more.
² Requires a networking, computer, or electronics related AAS degree plus current professional certification of Cisco CCENT, CCNA, CCNP, or CompTIA Network+ to qualify for this concentration.
- 5. **Distribution & Logistics** (main campus and online options)
 Courses such as Introduction to Distribution & Logistics, ERP Systems, Transportation Logistics, Purchasing Logistics, Supply Chain Logistics, Global Logistics, Strategic Pricing, & more.
- 6. **Industrial Engineering Technology** (main campus and online options)
 Courses such as Industrial Safety, Quality, Plant Layout & Materials Handling, Manufacturing System Planning, Advanced Manufacturing Systems, Work Methods & Ergonomic Analysis, & more.
- 7. **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.
- 8. **Bioprocess Manufacturing**³ (main campus and online options)
 Courses in Microbiology for Ind Processing, Engineering for Food Safety & Sanitation, Separation Techniques, Waste Treatment, Safety, Quality.
³ Requires a biotechnology related AAS degree.

General Education and Cognates (78 hours):

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| 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 requirements