



Baccalaureate Degree Plan

NCCCS Associate in Arts *or* Associate in Science
transfer to
East Carolina University, **BS DESIGN**

The Design, BS offers concentrations in

- Architectural Technology
- Mechanical Technology

The program is accredited by the Association of Technology, Management, and Applied Engineering.

As a transfer student, it is important to contact an ECU Academic Advisor, cetadvising@ecu.edu, as soon as possible.

An example of how to plan your first 2 years of the traditional 4 years of study is included at the end of this document.

Recommended courses to take at a North Carolina Community College:

BIO 140/140A or GEL 230
(for Arch Tech concentration)

BUS 115

CIS 110

ECO 251

ENG 111
ENG 112

HEA 110

MAT 152
MAT 171

PSY 150

PHY 151

PHY 152
(for Mech Tech concentration)

- Other courses to complete an AA or AS are student's choice; no other current department recommendations. Other equivalent courses may be listed in the degree requirements.
- Completion of an approved NCCCS AA or AS waives the General Education requirement. For more information about the waiver, [click here](#).
- For more information about General Education Core Requirements at ECU, and a list of specific course options, click [here](#).
- You do not have to complete all NCCCS equivalents or recommended courses before transferring. However, taking minimal recommendations may prolong your time to degree at ECU.

Degree Requirements

General Education Core Requirements

40 semester hours credit required; completion of an AA or AS waives this requirement.

Competency	Semester Hour Credits Required	Notes
Written Communication	6	<i>ENG 111 and ENG 112 should be taken at the community college to satisfy this competency.</i>
Humanities & Fine Arts	9	<i>At least one class should be labeled as Humanities (HU) and one should be labeled as Fine Arts (FA).</i>
Social Sciences	9	<i>NCCCS HIS courses are not considered a social science at ECU.</i>
Natural Sciences	7	<i>One course must include a lab.</i>
Mathematics	3	<i>Choose MAT 171.</i>
Health Promotion and Health-Related Physical Activity	3	<i>HEA 110 should be taken at the community college to satisfy this competency.</i>

Specific General Education Requirements	<p>As part of the required 40 hours, please include the following courses:</p> <p>ECON 2113 - Principles of Microeconomics MATH 1065 - College Algebra</p> <p>PHIL 2274 - Business Ethics or PHIL 2275 - Professional Ethics</p> <p>PHYS 1250 - General Physics I PHYS 1251 - General Physics Laboratory I PSYC 1000 - Introductory Psychology PSYC 3241 - Personnel and Industrial Psychology</p>	<p style="text-align: center;"><i>NCCCS Equivalents</i></p> <p style="text-align: center;"><i>ECO 251 MAT 171</i></p> <p style="text-align: center;"><i>PHY 151</i></p> <p style="text-align: center;"><i>PSY 150</i></p>
Note:	<p><i>Either BIOL 1060 or GEOL 1700 in the architectural technology concentration or PHYS 1260 in the mechanical technology concentration counts toward the general education natural sciences requirement. See concentration section.</i></p>	

Core	<p>Complete 42 hours.</p> <p>DESN 2034 - Engineering Graphics I DESN 2035 - Engineering Graphics I Laboratory DESN 2036 - Computer-Aided Design and Drafting DESN 2037 - Computer-Aided Design and Drafting Laboratory FINA 2244 - Legal Environment of Business IENG 2020 - Materials and Processes Technology IENG 2021 - Materials and Processes Technology Laboratory IENG 3600 - Statics and Strength of Materials</p> <p>ITEC 2000 - Industrial Technology Applications of Computer Systems or MIS 2223 - Introduction to Computers</p> <p>ITEC 2054 - Electricity/Electronics Fundamentals ITEC 2055 - Electricity/Electronics Fundamentals Laboratory</p>	<p style="text-align: center;"><i>NCCCS Equivalents</i></p> <p style="text-align: center;"><i>BUS 115</i></p> <p style="text-align: center;"><i>CIS 110</i></p>
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	<p>ITEC 2080 - Thermal and Fluid Systems ITEC 2081 - Thermal and Fluid Systems Laboratory</p> <p>ITEC 3200 - Introduction to Statistical Process Control or MATH 2283 - Statistics for Business</p> <p>ITEC 3290 - Technical Writing ITEC 3292 - Industrial Safety ITEC 3300 - Technology Project Management</p> <p>ITEC 3800 - Cost and Capital Project Analysis or FINA 3004 - Survey of Financial Management</p> <p>ITEC 4293 - Industrial Supervision or MGMT 3202 - Fundamentals of Management</p>	MAT 152
Concentration Areas	<p>Complete 30-31 hours. <i>Choose one from Architectural Technology or Mechanical Technology</i></p>	
Architectural Technology	<p><i>(BIOL 1060 or GEOL 1700 counts toward the natural sciences general education requirement for this degree. See note in the general education section. Semester hours earned for one of these courses are not included in the 30 s.h. architectural technology requirement.)</i></p> <p>CMGT 2400 - Building Systems and Codes CMGT 2401 - Building Systems and Codes Laboratory DESN 2002 - Introduction to Building Information Modeling DESN 2003 - Introduction to Building Information Modeling Laboratory DESN 3010 - Reality Capture DESN 3011 - Reality Capture Laboratory DESN 3030 - Architectural Drafting DESN 3031 - Architectural Drafting Laboratory DESN 3036 - Architectural Design and Drafting DESN 3037 - Architectural Design and Drafting Laboratory DESN 3038 - Sustainable Design DESN 4040 - Architectural Visualization DESN 4041 - Architectural Visualization Laboratory DESN 4050 - Advanced Building Information Modeling DESN 4051 - Advanced Building Information Modeling Laboratory DESN 4700 - Capstone</p> <p><u>Cognate requirements:</u> BIOL 1060 - Environmental Biology or GEOL 1700 - Environmental Geology</p> <p><u>Choose 3 s.h. from the following:</u> DESN 3230 - Additive Manufacturing DESN 3231 - Additive Manufacturing Laboratory IDIS 3790 - Technical Presentations IDSN 2203 - Historic Interiors II ITEC 3100 - Internship in Industrial Technology ITEC 4503 - Special Topics: Industrial Technology PLAN elective</p>	BIO 140/140A GEL 230
Mechanical Technology	<p><i>(PHYS 1260 counts toward the natural sciences general education requirement for this degree. See note in the general education section.)</i></p>	

	<p><i>Semester hours earned for this course are not included in the 31 s.h. mechanical technology requirement.)</i></p> <p> DESN 3032 - Engineering Graphics II DESN 3033 - Engineering Graphics II Laboratory DESN 3230 - Additive Manufacturing DESN 3231 - Additive Manufacturing Laboratory DESN 3236 - Geometric Dimensioning and Tolerancing DESN 3237 - Geometric Dimensioning and Tolerancing Laboratory DESN 4232 - Jig and Fixture Design DESN 4233 - Jig and Fixture Design Laboratory DESN 4234 - Machine and Tool Design DESN 4235 - Machine and Tool Design Laboratory IENG 2076 - Introduction to Computer Numerical Control IENG 2077 - Introduction to Computer Numerical Control Laboratory IENG 3020 - Robotics in Computer Integrated Manufacturing IENG 3021 - Robotics in Computer Integrated Manufacturing Laboratory IENG 3300 - Plant Layout and Materials Handling ITEC 2090 - Electromechanical Systems ITEC 2091 - Electromechanical Systems Laboratory ITEC 4300 - Quality Assurance Concepts </p> <p><u>Cognate requirements:</u> PHYS 1260 - General Physics II PHYS 1261 - General Physics Laboratory II</p>	<p><i>PHY 152</i></p>
<p>General electives to complete requirements for graduation.</p>	<p>Hours vary.</p>	

Potential 2 Year Map for BS DESIGN

An example of courses to take at your community college.

First Semester at NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
ENG 111	ENGL 1100
PSY 150	PSYC 1000
MAT 171	MATH 1065
HEA 110	HLTH 1000/KINE 1000
ACA 122	COAD 1XXX (elective credit)

Second Semester at NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
Humanities/Fine Arts Course	
PHY 151	PHYS 1250, 1251
ECO 251	ECON 2113
CIS 110	MIS 2223
Additional General Education course	

Third Semester at a NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
ENG 112	ENGL 2201
MAT 152	MATH 2283
BUS 115	FINA 2244
PHY 152 (Mech Tech) or BIO 140/140A or GEL 230 (Arch Tech)	PHYS 1260, 1261 BIOL 1060, GEOL 1700
Humanities/Fine Arts course	

Fourth Semester at a NCCCS Institution

NCCCS Course	ECU Transfer Equivalent
Humanities/Fine Arts course or 2 nd Math course	
Social/Behavioral Science course or Additional General Education course	
Additional General Education course or Elective	
Additional General Education course or Elective	
Additional General Education course or Elective (if needed)	

- Schedule at ECU will depend on courses completed at the community college and semester of entry (fall or spring).
- You should email cetadvising@ecu.edu as soon as possible for more specialized advising.
- This schedule is dependent on taking full-time course loads; however, it may not be realistic to take a full-time course load if you are working full-time or part-time, are a caregiver, or have other obligations. **Ask your advisor how you can be most successful.**