

Articulation Agreements created between non-credit to credit institutions, 2+2 and multi-state
Articulation Agreements

Continuing Education Unit to Curriculum Credit Equivalency

Students will be awarded curriculum credit for approved Continuing Education Units (CEU's) earned from successful completion of continuing education courses offered by VGCC taken after January 1, 2015.

Continuing education courses will be approved for curriculum education course equivalency when:

1. The continuing education course requires at least the same student learning outcomes as the curriculum course as documented on the course syllabus.
2. The continuing education course is equivalent in hours of instruction to the curriculum course as documented on the course syllabus.
3. The credentials of the continuing education course instructor meets curriculum standards.
4. The continuing education course requires assessment of course work, evaluation of performance by exam, and attendance as documented on the course syllabus.
5. Twenty-five (25) percent of a degree, diploma, or fifty (50) percent of a certificate may be earned with CEU's that have been accepted as curriculum credit; the final seventy-five (75) percent of any credential must be earned by completing curriculum education credit courses.
6. No course substitutions are permitted. The approved continuing education courses will only be applied to the curriculum equivalent.
7. Only VGCC continuing education courses that have been pre-approved will be considered for curriculum credit equivalency.
8. Only CEU's with a grade of "S" (Satisfactory/70%), that have been earned since January 2015 as documented on a VGCC transcript will be considered for transfer equivalency.
9. Students who request CU credit for CEU's earned from pre-approved continuing education courses will have paid the continuing education tuition and fees. There is no fee applied to students requesting transfer credit.
10. Students will not be retroactively awarded financial aid for continuing education courses converted to CU credit.

Students must meet admissions requirements and be admitted into a curriculum associate, diploma or certificate degree program of study (POS).

Students must request or have an advisor/program head request evaluation of CEU's to CU credits to apply for the conversion of CEU's to CU credit earned from January 1, 2015 to present.

BS in Industrial Technology (BSIT) Transfer Program

Approved AAS Degrees

The following North Carolina Community College System Associate of Applied Science (AAS) degrees have been approved by ECU and will meet undergraduate admission requirement of transferable credit hours.

- Aerostructure Manufacturing and Repair (A50450)
- Air Conditioning, Heating, and Refrigeration Tech (A35100)
- Applied Engineering Technology (A40130)
- Architectural Technology (A40100)
- Automation Engineering Technology (A40120)
- Automotive Systems Technology (A60160)
- Aviation Systems Technology (A60200)
- Biopharmaceutical Technology (A20180)
- Bioprocess Technology (A50440)
- Biotechnology (A20100)
- Building Construction Technology (A35140)
- Business Administration/Logistics Management (A2512E)
- Business Administration/Operations Management (A2512G)
- Chemical Process Technology (A50110)
- Chemical Technology (A20120)
- Civil Engineering Technology (A40140)
- Collision Repair and Refinishing Technology (A60130)
- Computer Engineering Technology (A40160)
- Computer Information Technology (A25260)
- Computer-Integrated Machining (A50210)
- Computer-Aided Drafting Technology (A50150)
- Computer Technology Integration (A25500)**
- Construction Management Technology (A35190)
- Cyber Crime Technology (A55210)**
- Electronics Engineering Technology (A40200)
- Electrical/Electronics Technology (A35220)
- Electrical Systems Technology (A35130)
- Environment, Health, and Safety Technology (A50160)
- Facility Maintenance Technology (A50190)
- Global Logistics Technology (A25170)
- General Occupational Technology (A55280)
- Global Logistics & Distribution Management Tech (A25610)
- Healthcare Business Informatics (A25510)**
- Industrial Engineering Technology (A40240)
- Industrial Management Technology (A50260)
- Industrial Systems Technology (A50240)
- Information Systems Security (A25270)
- Information Systems Security/Security Hardware (A2527B)
- Information Technology (A25590)**
- Interior Design (A30220)
- Machining Technology (A50300)
- Machining Technology/Tool, Die, and Mold Making (A5030A)
- Manufacturing Technology (A50320)
- Manufacturing Technology/Integrated Operations (A5032C)
- Manufacturing Technology/Composites (A5032D)
- Manufacturing Technology/Plastics (A5032A)
- Manufacturing Technology/Quality Assurance (A5032B)
- Mechanical Drafting Technology (A50340)
- Mechanical Engineering Technology (A40320)
- **Mechatronics Engineering Technology (A40350)**
- Mission Critical Operations – Information Tech (A40430I)
- Mission Critical Operations – Operations Tech (A40430O)
- Networking Technology (A25340)
- Nondestructive Examination Technology (A50350)
- Nuclear Technology (A50460)
- Project Management Technology (A25390)
- Sustainability Technologies (A40370)
- Welding Technology (A50420)

** Current professional certification of Cisco CCENT, CCNA, CCNP, or CompTIA Network+ are needed to qualify for the BSIT.

Students planning to enroll in the BSIT program should contact the appropriate academic advisor at least 6 months prior to admission into ECU. Inquiries may also be directed to ecuBSIT@ecu.edu.

AAS degrees not listed above can be reviewed by the Program Coordinator for approval.

For more information:

- **BSIT Program Coordinator:**
Dr. David Batts battsd@ecu.edu, 252-328-9673
- **BSIT ict & hit concentrations Program Academic Advisor:**
Christina Ragone, ragonec@ecu.edu, 252-328-9309
- **BSIT all other concentrations Program Academic Advisor:**
Jason Denius, deniusb@ecu.edu, 252-328-9610
- **Program Website:** www.ecu.edu/BSIT



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 nation. Please note that our online option is designed for part-time enrollment of one to two courses per term though more courses can be taken if seats are available.

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

- Completed a qualifying associate of applied science (AAS) degree program prior to enrollment.
- Apply up to 63 semester hours of the 126 required from a regionally accredited community college.
- At least 63 semester hours of the 126 required semester hours must be completed at a four-year college or university.
- The 42 semester hours of major coursework must be completed at ECU (available online or main campus).
- Only courses with a 'C' or better will transfer.
- Meet ECU admission requirements as set by ECU Office of Admissions (www.ecu.edu/admissions)
 - Cumulative GPA of 2.5 or higher and 30 hours of transferable course work
 - 6 transferable hours in English Composition equivalent to ENGL 1100 & ENGL 1200
 - 3 transferable hours of Math equivalent to MATH 1065 College Algebra

Contact Information

ecuBSIT@ecu.edu

(252) 328-9301

www.ecu.edu/tecs/BSIT



Required Coursework

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 SPC



Choose one concentration (requires nine courses):

- **Mechanical Design** (main campus only)
Courses such as Rapid Prototyping, Jig & Fixture Design, Geometric Dimensioning and Tolerancing, CNC, CIM, Plant Layout & Materials Handling.
- **Architectural Design** (main campus only)
Courses such as Architectural Design & Drafting, Sustainable Design, Planning Techniques, Introduction to GIS in Planning, Urban Form & Design.
- **Health Information Technologies**¹ (main campus & online)
Courses such as Medical Terminology, Health Care Delivery Methods, Quality Management, Professional Roles & Environments, Payment Systems, Ethical Codes & Law, Health Information Management.
¹ Requires an AAS in Networking Technology or Information Systems Security plus current professional certification of Cisco CCENT, CCNA, CCNP, or CompTIA Network+ to qualify for this concentration.
- **Information & Computer Technology**² (main campus & online)
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.
- **Distribution & Logistics** (main campus and online)
Courses such as Introduction to Distribution & Logistics, ERP Systems, Transportation Logistics, Purchasing Logistics, Supply Chain Logistics, Global Logistics, Strategic Pricing, & more.
- **Manufacturing Systems** (main campus and online)
Courses such as Industrial Safety, Quality, Plant Layout & Materials Handling, Manufacturing System Planning, Advanced Manufacturing Systems, Work Methods & Ergonomic Analysis, & more.
- **Industrial Supervision** (main campus and online)
Courses such as Distribution & Logistics, Technical Presentations, Supply Chain Logistics, Industrial Safety, Quality Assurance, Plant Layout & Materials Handling, Lean Manufacturing, & more.
- **Bioprocess Manufacturing**³ (main campus and online)
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 (84 hours):

AAS Technical courses (37 hrs)

English (6 hrs)

ENGL 1100 Composition

ENGL 1200 Composition

Natural Science (8 hrs)*

Social Science (12 hrs)

ECON 2113 Prin. of Microeconomics

PSYC 1000 Introductory Psychology

PSYC 3241 Industrial Psychology

Social Science Elective

Math (5 hrs)

MATH 1065 College Algebra

MATH 1074 Trigonometry

Humanities & Fine Arts (10 hrs)

At least one in Humanities

COMM 2410 or 2420 Speech

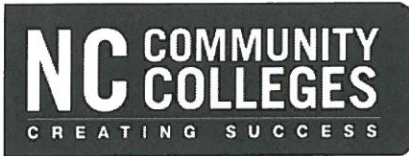
Hum/Fine Arts to total 10 hrs

Health & Exercise (3 hrs)

Cognates (3 hrs)

FINA 2244 Legal Envir. of Business

*contact an ECU BSIT academic advisor for BSIT architectural and BSIT mechanical concentration natural science requirements



NORTH CAROLINA COMMUNITY COLLEGE SYSTEM
Dr. James C. Williamson
 President

August 24, 2016

MEMORANDUM

TO: Senior Continuing Education Administrators

FROM: Margaret Robertson,
Associate Vice-President, Workforce Continuing Education

RE: State Board Course Approvals – August 19, 2016

At the August 19, 2016 meeting, the State Board approved the following Continuing Education courses for placement or modification in the Combined Course Library. Attached is the detail information for each course.

New Course

State Board Approval Date	Course Id	Course Title	Recommended Hours	Tier Level
August 19, 2016	ATR-3115	Mechatronics	275	1B

Course Modifications

State Board Approval Date	Course Id	Course Title	Recommended Hours	Tier Level
August 19, 2016	AHR-3128	EPA Refrigeration Certification	Increase from 12 to 16	3
August 19, 2016	CJC-3941	Detention Officer Certification	Increase from 172 to 174	2

If you have any questions concerning these courses, see the contact person listed on the attachment. If you have questions regarding the process for adding a new course or making a modification to an existing course to the CCL, contact me at robertonm@nccommunitycolleges.edu or call at 919-807-7159.

CC: Continuing Education Registrars

CC16-035
E-mail Copy

Combined Course Library (CCL) Updates
Workforce Continuing Education

New Course

State Board Approval Date	Course Id	Course Title	Description	Recommended Hours	Program Area	Tier Level	Contact Person
8/19/2016	ATR-3115	Mechatronics	This course introduces the synergistic integration and application of mechanical, electrical, electronic, robotic, and computer engineering technologies, including Programmable Logic Controllers (PLC), that are found within production and manufacturing environments striving to improve and/or optimize efficiency, productivity, and quality. Upon completion, students will be able to demonstrate an understanding of the function of the components of a mechatronic system, their controlling interactions, problem solving, and the overall operation of the mechatronic control system.	275	P35 – Industrial/Manufacturing	1B	Margaret Robertson

Contact Information

Margaret Robertson 919-807-7159 robertonm@nccommunitycolleges.edu

Zane Styers

From: Angela Gardner
Sent: Monday, December 01, 2014 4:04 PM
To: Kenneth Wilson
Subject: FW: Articulation from Vance-Granville to ECU

Hi,

Please see below. Does this satisfy the grant requirement regarding ECU or should we pursue another college? Please advise.

Thanks,
ag

"Vance-Granville Community College educates, inspires, and supports a diverse community of learners to achieve professional and personal success."

From: Joseph K. Shearon
Sent: Monday, December 01, 2014 3:36 PM
To: Wesley Williams; Angela Gardner
Subject: FW: Articulation from Vance-Granville to ECU

Folks,

I think the Mechanical Technology and the Manufacturing Systems programs at ECU are a good match for us. I need direction from you as to any further questions we have for ECU. And I would like to know whether you think we can talk about this as a pathway when speaking to people about our program, or need to do further work.

I look forward to your guidance,

Keith

From: Denius, Jason [<mailto:DENIUSB@ecu.edu>]
Sent: Wednesday, November 26, 2014 10:21 AM
To: Joseph K. Shearon
Cc: Wesley Williams; Batts, David
Subject: RE: Articulation from Vance-Granville to ECU

Hi Keith,

How's it going today? I hope all is well. Thanks for your email. Since your Mechatronics Engineering Technology program is an Associate in Applied Science (AAS) degree....it is already articulated to our Bachelor of Science in Industrial Technology (BSIT) AAS Transfer Program.

You can learn more about the BSIT program here: <http://www.ecu.edu/cs-tecs/techsystems/bsit.cfm>. If you review the list of approved AAS degrees at this website, you will see that a Mechatronics AAS degree earned at any North Carolina Community College is approved for our BSIT program.

BSIT students must choose a Concentration area, which are also listed on our website. Mechatronics students can choose any of the following BSIT Concentrations: Manufacturing Systems, Industrial Supervision, Mechanical Technology or Distribution and Logistics.

The BSIT program no longer coordinates articulation agreements with individual community colleges. Instead, the BSIT program has a blanket articulation agreement with the North Carolina Community College System as a whole.

I am the Academic Advisor for all of the Concentrations listed above. If you have students interested in transferring to ECU, please feel free to have them contact me at 252.328.9610 and/or DeniusB@ecu.edu for assistance with transcript evaluations, admission requirements, Concentration options, etc.

Thanks again and please feel free to send any other questions my way. I have also copied our program coordinator, Dr. David Batts, on this email in case he has any additional information.

Happy Thanksgiving,
Jason

Jason Denius, M.A.
Academic Advisor For:
Industrial Technology (BSIT) AAS Transfer Program
Industrial Distribution & Logistics Program
College of Engineering and Technology
#5-B Rawl ANNEX
East Carolina University
Greenville, NC 27858-4353
252-328-9610 phone
DeniusB@ecu.edu



From: Joseph K. Shearon [<mailto:shearonj@vgcc.edu>]
Sent: Tuesday, November 18, 2014 4:22 PM
To: Denius, Jason
Cc: Wesley Williams
Subject: Articulation from Vance-Granville to ECU

Jason,

I believe we spoke at the recent Community College conference in Raleigh.

It falls to me as Program Head for Mechatronics Engineering Technology to work out articulation agreements to 4-year institutions, and I would like to begin such a dialog with someone at ECU. Your Industrial Engineering Technology degree (http://catalog.ecu.edu/preview_program.php?catoid=4&poid=860&returnto=250) appears to have a number of courses similar to our AAS MET (<http://www.vgcc.edu/academics/Curriculum-programs/mechatronics-engineering.cfm>).

To whom would I speak about starting a dialog?

Keith Shearon

shearonj@vgcc.edu

(252) 738-3541 or (919) 528-4737 ext:3541

*Program Head/Instructor
Mechatronics Engineering*

Vance-Granville Community College

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This workforce solution was funded by a grant awarded under the US Department of Labor's Employment and Training Administration. The solution was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. The institution that created it copyrights this solution. Internal use, by an organization and/or personal use by an individual for non-commercial purpose, is permissible. All other uses require the prior authorization of the copyright owner.



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