Career and College Promise (CCP) Pathway Notebook Overview

The Career and College Promise (CCP) Program at Nash Community College offers eligible students an opportunity to take approved college courses while still in high school. This notebook is a repository for all approved CCP Pathways and includes crosswalks from high school to college and beyond. Students may choose to enroll in one college transfer pathway, one Career and Technical Education (CTE) pathway, two CTE pathways, or one college transfer and one CTE pathway. Students are encouraged to choose pathway(s) wisely as they are bound to classes within chosen pathway(s). If a student chooses to enter two pathways, a special permission form is required. Students may change pathways with an approved rationale as well as college and high school consent, but multiple pathway changes are discouraged.

The CCP Program at Nash Community College includes 4 college transfer pathways: Arts, Engineering, Nursing, and Science. These pathways are only a portion of the associate's degree. Courses in the college transfer pathways will transfer to any UNC institution. Private and out-of-state institutions must be contacted to determine if and how credits will be accepted.

The CCP Program at Nash Community College includes 23 Career and Technical Education (CTE) pathways. Courses in these pathways lead to a certificate. Each CTE pathway has a recommended sequence of courses. It is strongly suggested that students follow this recommended sequence to strategically complete certificates. While CTE courses are not guaranteed to transfer to a 4-year institution, colleges and universities should be contacted to determine if and how credits will be accepted.

Upon determining a pathway or pathways, students should submit a CCP application and official high school transcript to the Nash Community College CCP Team. After enrollment, the CCP Team will advise and register students for courses. The CCP Team's main goal is to support student success in the dual enrollment program.

Career and College Promise (CCP) Program Pathways

College Transfer Pathways

- P1012C Associate in Arts
- P1052C Associate in Engineering
- P1032C Associate in Nursing
- P1042C Associate in Science

Career and Technical Education Pathways

- C30100BH Advertising and Graphic Design Certificate
- C60160CH Automotive Systems ~ Brakes and Suspension Certificate
- C60160DH Automotive Systems ~ Electrical Certificate
- C60160EH Automotive Systems ~ Engine Performance Certificate
- C40200AH Basic Electronics Certificate
- C30120AH Broadcasting and Production Administration Certificate
- C25120CP Business Administration Certificate
- C45380AH Case Management Certificate (unweighted 2.8 GPA required)
- C40160BH Computer Programming Certificate
- C55140AH Cosmetology Certificate
- C55180BH Criminal Justice Certificate
- C55290XH Cybersecurity Certificate
- C55220KH Early Childhood Certificate
- C35130AH Electrical Wiring Certificate
- C55460AH Emergency Management Certificate
- C55460BH Emergency Management Certificate – Fire Management
- C25110AH Hospitality Management Certificate
- C35130DH Industrial Robotics Certificate
- C50210AH Machine Operator Certificate
- C50240CH Machining Maintenance Certificate
- C25310CH Medical Office Administration Certificate
- C25590BH Network Administration Certificate
- C40160CH PC Build and Repair Certificate
- C50420FH Welding Technology Certificate

Associate in Arts CCP Pathway- P1012C

The Associate in Arts CCP Pathway offers students a portion of the classes needed for an Associate in Arts Degree.
Associate in Arts CCP Pathway P1012C = 32-33 Credits
Associate in Arts Degree = 60 Credits (CCP Pathway + 27-28 Additional Credits)
Students must complete the CCP Pathway in its entirety before taking additional courses towards the Associate's Degree.

English Composition (6 Credits)

- ENG 111 Writing and Inquiry – 3 Credits
- ENG 112 Writing and Research Across the Disciplines (Prerequisite: ENG 111) – 3 Credits

Humanities/Fine Arts (9 Credits from Two Different Subject Areas)

- ART 111 Art Appreciation – 3 Credits
- ART 115 Art History Survey II – 3 Credits
- COM 120 Interpersonal Communication – 3 Credits
- COM 231 Public Speaking – 3 Credits
- DRA 111 Theatre Appreciation – 3 Credits
- ENG 231 American Literature I (Prerequisites: ENG 111 and ENG 112) – 3 Credits
- ENG 232 American Literature II (Prerequisites: ENG 111 and ENG 112) – 3 Credits
- ENG 241 British Literature I (Prerequisites: ENG 111 and ENG 112) – 3 Credits
- ENG 242 British Literature II (Prerequisites: ENG 111 and ENG 112) – 3 Credits
- MUS 110 Music Appreciation – 3 Credits
- MUS 112 Introduction to Jazz – 3 Credits
- PHI 215 Philosophical Issues (Prerequisite: ENG 111) – 3 Credits
- PHI 240 Introduction to Ethics (Prerequisite: ENG 111) – 3 Credits

Social/Behavioral Science (9 Credits from Two Different Subject Areas)

- ECO 251 Principles of Microeconomics – 3 Credits
- ECO 252 Principles of Macroeconomics – 3 Credits
- HIS 111 World Civilizations I – 3 Credits
- HIS 112 World Civilizations II – 3 Credits
- HIS 131 American History I – 3 Credits
- HIS 132 American History II – 3 Credits
- POL 120 American Government – 3 Credits
- PSY 150 General Psychology – 3 Credits
- SOC 210 Introduction to Sociology – 3 Credits

Math (Minimum of 3 Credits)

- MAT 143 Quantitative Literacy – 3 Credits
- MAT 152 Statistical Methods I – 4 Credits
- MAT 171 Precalculus Algebra – 4 Credits

Natural Science (4 Credits)

- AST 111/AST 111A Descriptive Astronomy/Descriptive Astronomy Lab – 4 Credits
- AST 151/AST 151A General Astronomy/General Astronomy Lab – 4 Credits
- BIO 110 Principles of Biology – 4 Credits
- BIO 111 General Biology I – 4 Credits
- CHM 151 General Chemistry I – 4 Credits
- GEL 111 Introductory Geology – 4 Credits
- PHY 110/PHY 110A Conceptual Physics/Conceptual Physics I Lab – 4 Credits

Other Required Courses (1 Credit)

- ACA 122 College Transfer Success – 1 Credit

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Associate in Engineering CCP Pathway- P1052C

The Associate in Engineering CCP Pathway offers students a portion of the classes needed for an Associate in Engineering Degree.
Associate in Engineering CCP Pathway P1052C = 34 Credits
Associate in Engineering Degree = 60-61 Credits (CCP Pathway + 26-27 Additional Credits)
Students must complete the CCP Pathway in its entirety before taking additional courses towards the Associate's Degree.

English Composition (6 Credits)

- ENG 111 Writing and Inquiry – 3 Credits
- ENG 112 Writing and Research Across the Disciplines (Prerequisite: ENG 111) – 3 Credits

Humanities/Fine Arts (3 Credits)

- ART 111 Art Appreciation – 3 Credits
- ART 115 Art History Survey II – 3 Credits
- COM 231 Public Speaking – 3 Credits
- ENG 231 American Literature I (Prerequisites: ENG 111 and ENG 112) – 3 Credits
- ENG 232 American Literature II (Prerequisites: ENG 111 and ENG 112) – 3 Credits
- ENG 241 British Literature I (Prerequisites: ENG 111 and ENG 112) – 3 Credits
- ENG 242 British Literature II (Prerequisites: ENG 111 and ENG 112) – 3 Credits
- MUS 110 Music Appreciation – 3 Credits
- MUS 112 Introduction to Jazz – 3 Credits
- PHI 215 Philosophical Issues (Prerequisite: ENG 111) – 3 Credits
- PHI 240 Introduction to Ethics (Prerequisite: ENG 111) – 3 Credits

Social/Behavioral Science (3 Credits)

- ECO 251 Principles of Microeconomics – 3 Credits

Math (8 Credits)

- MAT 271 Calculus I – 4 Credits (Prerequisites: MAT 171 and MAT 172)
- MAT 272 Calculus II – 4 Credits (Prerequisite: MAT 271)

Natural Science (8 Credits)

- CHM 151 General Chemistry I – 4 Credits
- PHY 251 General Physics I – 4 Credits (Prerequisite: MAT 271, Corequisite: MAT 272)
- PHY 252 General Physics II – 4 Credits (Prerequisites: MAT 272 and PHY 251)

Other Required Courses (1 Credit)

- ACA 122 College Transfer Success – 1 Credit

Engineering (5 Credits)

- EGR 150 Introduction to Engineering (2 Credits)
- DFT 170 Engineering Graphics (3 Credits)

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Associate in Nursing CCP Pathway- P1032C

The Associate in Nursing CCP Pathway offers students a portion of the classes needed for an Associate in Nursing Degree.
Associate in Nursing CCP Pathway P1032C = 24 Credits
Associate in Nursing Degree = 74-75 Credits (CCP Pathway + 50-51 Additional Credits)
Students must complete the CCP Pathway in its entirety before taking additional courses towards the Associate's Degree.

English Composition (6 Credits)

- ENG 111 Writing and Inquiry – 3 Credits
- ENG 112 Writing and Research Across the Disciplines (Prerequisite: ENG 111) – 3 Credits
  -OR-
  ENG 114 Professional Research and Reporting (Prerequisite: ENG 111) – 3 Credits

Humanities/Fine Arts (3 Credits)

- ART 111 Art Appreciation – 3 Credits
- ART 115 Art History Survey II – 3 Credits
- HUM 115 Critical Thinking (Prerequisite: ENG 111) – 3 Credits
- MUS 110 Music Appreciation – 3 Credits
- MUS 112 Introduction to Jazz – 3 Credits
- PHI 215 Philosophical Issues (Prerequisite: ENG 111) – 3 Credits
- PHI 240 Introduction to Ethics (Prerequisite: ENG 111) – 3 Credits

Social/Behavioral Science (6 Credits)

- PSY 150 General Psychology – 3 Credits
- PSY 241 Developmental Psychology (Prerequisite: PSY 150) – 3 Credits

Natural Science (8 Credits)

- BIO 168 Anatomy and Physiology I – 4 Credits
- BIO 169 Anatomy and Physiology II (Prerequisite: BIO 168) – 4 Credits

Other Required Courses (1 Credit)

- ACA 122 College Transfer Success – 1 Credit

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Associate in Science CCP Pathway- P1042C

The Associate in Science CCP Pathway offers students a portion of the classes needed for an Associate in Science Degree.
Associate in Science CCP Pathway P1042C = 35 Credits
Associate in Science Degree = 60 Credits (CCP Pathway + 25 Additional Credits)
Students must complete the CCP Pathway in its entirety before taking additional courses towards the Associate's Degree.

English Composition (6 Credits)

- ENG 111 Writing and Inquiry – 3 Credits
- ENG 112 Writing and Research Across the Disciplines (Prerequisite: ENG 111) – 3 Credits

Humanities/Fine Arts (6 Credits from Two Different Subject Areas)

- ART 111 Art Appreciation – 3 Credits
- ART 115 Art History Survey II – 3 Credits
- COM 120 Interpersonal Communication – 3 Credits
- COM 231 Public Speaking – 3 Credits
- DRA 111 Theatre Appreciation – 3 Credits
- ENG 231 American Literature I (Prerequisites: ENG 111 and ENG 112) – 3 Credits
- ENG 232 American Literature II (Prerequisites: ENG 111 and ENG 112) – 3 Credits
- ENG 241 British Literature I (Prerequisites: ENG 111 and ENG 112) – 3 Credits
- ENG 242 British Literature II (Prerequisites: ENG 111 and ENG 112) – 3 Credits
- MUS 110 Music Appreciation – 3 Credits
- MUS 112 Introduction to Jazz – 3 Credits
- PHI 215 Philosophical Issues (Prerequisite: ENG 111) – 3 Credits
- PHI 240 Introduction to Ethics (Prerequisite: ENG 111) – 3 Credits

Social/Behavioral Science (6 Credits from Two Different Subject Areas)

- ECO 251 Principles of Microeconomics – 3 Credits
- ECO 252 Principles of Macroeconomics – 3 Credits
- HIS 111 World Civilizations I – 3 Credits
- HIS 112 World Civilizations II – 3 Credits
- HIS 131 American History I – 3 Credits
- HIS 132 American History II – 3 Credits
- POL 120 American Government – 3 Credits
- PSY 150 General Psychology – 3 Credits
- SOC 210 Introduction to Sociology – 3 Credits

Math (8 Credits)

- MAT 171 Precalculus Algebra – 4 Credits
- MAT 172 Precalculus Trigonometry (Prerequisite: MAT 171) – 4 Credits
- MAT 263 Brief Calculus (Prerequisite: MAT 171) – 4 Credits
- MAT 271 Calculus I (Prerequisite: MAT 172) – 4 Credits
- MAT 272 Calculus II (Prerequisite: MAT 271) – 4 Credits

Natural Science (8 Credits)

- BIO 111 General Biology I and BIO 112 General Biology II (8 Credits)
- CHM 151 General Chemistry I and CHM 152 General Chemistry II (8 Credits)
- PHY 110 Conceptual Physics I, PHY 110A Conceptual Physics I Lab and BIO 110 Principles of Biology (8 Credits)
- PHY 151 College Physics I (Prerequisite: MAT 171 or MAT 271) and PHY 152 College Physics II – 8 Credits
- PHY 110 Conceptual Physics I, PHY 110A Conceptual Physics I Lab and GEL 111 Geology (8 Credits)
- BIO 110 Principles of Biology and GEL 111 Geology (8 Credits)

Other Required Courses (1 Credit)

- ACA 122 College Transfer Success – 1 Credit

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ADVERTISING AND GRAPHIC DESIGN

The Advertising and Graphic Design curriculum is designed to provide students with knowledge and skills necessary for employment in the graphic design profession which emphasizes design, advertising, illustration, and digital and multimedia preparation of printed and electronic promotional materials. Students will be trained in the development of concept and design for promotional materials such as newspaper and magazine advertisements, posters, folders, letterheads, corporate symbols, brochures, booklets, preparation of art for printing, lettering and typography, photography, and electronic media. Graduates should qualify for employment opportunities with graphic design studios, advertising agencies, printing companies, department stores, a wide variety of manufacturing industries, newspapers, and businesses with in-house graphics operations.

Career Opportunities: Graphic Designer, Illustrator, Multimedia Artist, Logo Designer/Branding, Photo Editing/Photoshop Artist, Art Director, Photographer, Book Design, Freelance/Business Owner, Illustrator, Multimedia Artist

High School Career Cluster

High School Career Cluster One: Marketing (MRKT)

- Prerequisite: MM55 Marketing
- Concentrator: MA52 Marketing Applications

High School Career Cluster Two: Adobe Academy (ADAC)

- Prerequisite: 1131 Adobe Visual Design
- Concentrator: 1132 Adobe Digital Design -or- 1133 Adobe Video Design

Nash Community College CCP Pathway

Advertising and Graphic Design C30100BH

Total Hours: 14

Recommended Sequence of Courses:

Fall Term:

- GRD 141 Graphic Design I (4 Credits)
- GRD 151 Computer Design Basics (3 Credits)

Spring Term:

- GRD 110 Typography I (3 Credits)
- GRD 142 Graphic Design II (4 Credits)

Nash Community College Additional Degrees/Certificates

Advertising and Graphic Design C30100A

Total Hours: 16

- GRD 110 Typography I (3 Credits)
- GRD 121 Drawing Fundamentals I (2 Credits)
- GRD 141 Graphic Design I (4 Credits)
- GRD 142 Graphic Design II (4 Credits)
- GRD 151 Computer Design Basics (3 Credits)

Nash Community College Associate's Degree

Advertising and Graphic Design A30100

Total Hours: 69-70

- COM Elective (3 Credits)
- ENG 111 Writing and Inquiry (3 Credits)
- HUM/FA Humanities/Fine Arts Elective (3 Credits)
- MAT 143 Quantitative Literacy (3 Credits) -or- MAT 171 Precalculus Algebra (4 Credits)
- SOC/BEH Social/Behavioral Science Elective (3 Credits)
- GRD 110 Typography (3 Credits)
- GRD 121 Drawing Fundamentals I (2 Credits)
- GRD 131 Illustration I (2 Credits)
- GRD 141 Graphic Design I (4 Credits)
- GRD 142 Graphic Design II (4 Credits)
- GRD 151 Computer Design Basics (3 Credits)
- GRD 152 Computer Design Tech I (3 Credits)
- GRD 241 Graphic Design III (4 Credits)
- GRD 280 Portfolio Design (4 Credits)
- CIS 110 Introduction to Computers (3 Credits)
- GRD 160 Photo Fundamentals I (3 Credits)
- GRD 242 Graphic Design IV (4 Credits)
- GRD 265 Digital Print Production (3 Credits)
- GRD 281 Design of Advertising (2 Credits)
- GRD 285 Client/Media Relations (2 Credits)
- WBL 111 Work Based Learning I (1 Credit)
- WEB 111 Intro. to Web Graphics (3 Credits)
- WEB 140 Web Development Tools (3 Credits)
- ACA 122 College Transfer Success (1 Credit)

Bachelor's Degree:

Barton College

Bachelor of Fine Arts in Art and Design

https://www.barton.edu/academics/programs/art-and-design/

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AUTOMOTIVE SYSTEMS:

ENGINE PERFORMANCE CERTIFICATE

The Automotive Systems curriculum prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. It includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating/air condition systems.

Career Opportunities: Automotive Service Technicians and Mechanics, General Maintenance and Repair Workers, Brake Shops and Tire Stores, Service Manager, Parts Manager, Service Writer

High School Career Cluster

Automotive Services (AUTO)

- Prerequisite: IT16 Automotive Service I
- Concentrator: IT17 Automotive Service II

Nash Community College CCP Pathway

Automotive Systems Engine Performance Certificate C60160EH

Total Hours: 13

Recommended Sequence of Courses:

Fall Term:

- TRN 110 Intro to Transport Tech (2 Credits)
- AUT 116 Engine Repair (3 Credits)

Spring Term:

- AUT 181 Engine Performance I (3 Credits)
- AUT 181A Engine Performance I Lab

Fall Term:

- AUT 183 Engine Performance II (4 Credits)

Nash Community College Additional Degrees/Certificates

Basic Automotive Systems Certificate C60160A
Total Hours: 18

- AUT 116 Engine Repair [Corequisite TRN 110] (3 Credits)
- TRN 110 Intro to Transport Tech [Corequisite AUT 116] (2 Credits)
- TRN 120 Basic Trans. Electricity (5 Credits)
- AUT 141 Susp. & Steering Systems [AUT 141A Corequisite] (3 Credits)
- AUT 141A Susp. & Steering Systems Lab [AUT 141 Corequisite] (1 Credit)
- AUT 151 Brake Systems [AUT 151A Corequisite] (3 Credits)
- AUT 151A Brake Systems Lab [AUT 151 Corequisite] (1 Credit)

Basic Automotive Systems Certificate C60160B
Total Hours: 16

- AUT 181 Engine Performance I [Prerequisite AUT 116] (3 Credits)
- AUT 163 Advanced Auto Electricity [Prerequisite TRN 120] (3 Credits)
- AUT 183 Engine Performance II [Prerequisite AUT 181] (4 Credits)
- AUT 221 Auto Transm/Transaxles (3 Credits)
- TRN 145 Adv Transp Electronics [Prerequisite TRN 120] (3 Credits)

Automotive Systems Technology Diploma D60160
Total Hours: 47

- AUT 116 Engine Repair (3 Credits)
- AUT 221 Auto Transm/Transaxles (3 Credits)
- ENG 110 Freshman Composition (3 Credits) -or- ENG 111 Writing and Inquiry (3 Credits)
- TRN 110 Intro to Transport Tech (2 Credits)
- TRN 120 Basic Trans. Electricity (5 Credits)
- AUT 141 Susp. & Steering Systems (3 Credits)
- AUT 141A Susp. & Steering Systems Lab (1 Credit)
- AUT 151 Brake Systems (3 Credits)
- AUT 151A Brake Systems Lab (1 Credit)
- AUT 181 Engine Performance I (3 Credits)
- MAT 110 Mathematical Measurement (3 Credits)
- AUT 163 Advanced Auto Electricity (3 Credits)
- AUT 212 Auto Shop Management (3 Credits)
- AUT 183 Engine Performance II (4 Credits)
- TRN 145 Advanced Trans Electronics (3 Credits)
- Elective (XXX) (4 Minimum Credits)
- Electives XXX
  - AUT 114 Safety and Emissions (2 Credits)
  - AUT 114A Safety and Emissions Lab (2 Credits)
  - AUT 163A Advanced Auto Electricity Lab (1 Credit)
  - AUT 181A Engine Performance I Lab (1 Credit)
  - AUT 284 Emerging Auto Technology (4 Credits)
  - WBL 112 Work Based Learning I (2 Credits)
  - TRN 130 Intro to Sustainable Trans (3 Credits)
  - TRN 140 Trans Climate Control (2 Credits)
  - TRN 140A Trans Climate Control Lab (2 Credits)

Nash Community College Associate's Degree

Automotive Systems Technology A60160
Total Hours for Graduation: 69-70

- ACA 122 College Transfer Success (1 Credit)
- AUT 116 Engine Repair (3 Credits)
- CIS 110 Intro. to Computers (3 Credits)
- MAT 121 Algebra/Trigonometry I (3 Credits) -or- MAT 171 Precalculus Algebra (4 Credits)
- TRN 110 Intro to Transport Tech (2 Credits)
- TRN 120 Basic Trans. Electricity (5 Credits)
- AUT 141 Suspension & Steering Syst. (3 Credits)
- AUT 141A Suspension & Steering Syst. Lab (1 Credit)
- AUT 151 Brake Systems (3 Credits)
- AUT 151A Brake Systems Lab (1 Credit)
- AUT 181 Engine Performance I (3 Credits)
- ENG 110 Freshman Composition (3 Credits) -or- ENG 111 Writing and Inquiry (3 Credits)
- HUM/FA HUM/Fine Arts Core Elective (3 Credits)
- AUT 163 Advanced Auto Electricity (3 Credits)
- AUT 212 Auto Shop Management (3 Credits)
- COM 110 Intro. to Communication (3 Credits) -or- COM 231 Public Speaking (3 Credits)
- AUT 183 Engine Performance II (4 Credits)
- AUT 221 Auto Transm/Transaxles (3 Credits)
- SOC/BEH Social/Behavioral Science Core Elective (3 Credits)
- TRN 145 Advanced Trans Electronics (3 Credits)
- Elective (XXX) (2-4 Credits)
- AUT 281 Adv. Engine Performance (3 Credits)
- TRN 140 Trans Climate Control (2 Credits)
- TRN 140A Trans Climate Control Lab (2 Credits) Elective (XXX) (2-4 Credits)
- Electives (XXX):
  - AUT 113 Auto Servicing I (2 Credits) -or- WBL 112 Work Based Learning I (2 Credits)
  - AUT 114 Safety and Emissions (2 Credits)
  - AUT 114A Safety and Emissions Lab (1 Credit)
  - AUT 213 Auto Servicing II (2 Credits) -or- WBL 122 Work Based Learning II (2 Credits)
  - AUT 163A Adv Auto Electricity Lab (1 Credit)
  - AUT 181A Engine Performance I (1 Credit)
  - AUT 231 Man. Trans/Axles/Drtrains (3 Credits)
  - TRN 120A Basic Transp Electricity Lab (1 Credit)
  - TRN 130 Intro to Sustainable Trans (3 Credits)

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AUTOMOTIVE SYSTEMS:

BRAKES AND SUSPENSION CERTIFICATE

The Automotive Systems curriculum prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. It includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems.

Career Opportunities: Automotive Service Technicians and Mechanics, General Maintenance and Repair Workers, Brake Shops and Tire Stores, Service Manager, Parts Manager, Service Writer

High School Career Cluster

Automotive Services (AUTO)

- Prerequisite: IT16 Automotive Service I
- Concentrator: IT17 Automotive Service II

Nash Community College CCP Pathway

Automotive Systems Brakes and Suspension Certificate C60160CH

Total Hours: 13

Recommended Sequence of Courses:

Fall Term:

- AUT 116 Engine Repair (3 Credits)
- TRN 110 Introduction to Transport Tech (2 Credits)

Spring Term:

- AUT 141 Suspension and Steering Systems (3 Credits)
- AUT 141A Suspension and Steering Lab (1 Credit)
- AUT 151 Brake Systems (3 Credits)
- AUT 151A Brake Systems Lab (1 Credit)

Nash Community College Additional Degrees/Certificates

Basic Automotive Systems Certificate C60160A
Total Hours: 18

- AUT 116 Engine Repair [Corequisite TRN 110] (3 Credits)
- TRN 110 Intro to Transport Tech [Corequisite AUT 116] (2 Credits)
- TRN 120 Basic Trans. Electricity (5 Credits)
- AUT 141 Susp. & Steering Systems [AUT 141A Corequisite] (3 Credits)
- AUT 141A Susp. & Steering Systems Lab [AUT 141 Corequisite] (1 Credit)
- AUT 151 Brake Systems [AUT 151A Corequisite] (3 Credits)
- AUT 151A Brake Systems Lab [AUT 151 Corequisite] (1 Credit)

Basic Automotive Systems Certificate C60160B
Total Hours: 16

- AUT 181 Engine Performance I [Prerequisite AUT 116] (3 Credits)
- AUT 163 Advanced Auto Electricity [Prerequisite TRN 120] (3 Credits)
- AUT 183 Engine Performance II [Prerequisite AUT 181] (4 Credits)
- AUT 221 Auto Transm/Transaxles (3 Credits)
- TRN 145 Adv Transp Electronics [Prerequisite TRN 120] (3 Credits)

Automotive Systems Technology Diploma D60160
Total Hours: 47

- AUT 116 Engine Repair (3 Credits)
- AUT 221 Auto Transm/Transaxles (3 Credits)
- ENG 110 Freshman Composition (3 Credits) -or- ENG 111 Writing and Inquiry (3 Credits)
- TRN 110 Intro to Transport Tech (2 Credits)
- TRN 120 Basic Trans. Electricity (5 Credits)
- AUT 141 Susp. & Steering Systems (3 Credits)
- AUT 141A Susp. & Steering Systems Lab (1 Credit)
- AUT 151 Brake Systems (3 Credits)
- AUT 151A Brake Systems Lab (1 Credit)
- AUT 181 Engine Performance I (3 Credits)
- MAT 110 Mathematical Measurement (3 Credits)
- AUT 163 Advanced Auto Electricity (3 Credits)
- AUT 212 Auto Shop Management (3 Credits)
- AUT 183 Engine Performance II (4 Credits)
- TRN 145 Advanced Trans Electronics (3 Credits)
- Elective (XXX) (4 Minimum Credits)
- Electives XXX
  - AUT 114 Safety and Emissions (2 Credits)
  - AUT 114A Safety and Emissions Lab (2 Credits)
  - AUT 163A Advanced Auto Electricity Lab (1 Credit)
  - AUT 181A Engine Performance I Lab (1 Credit)
  - AUT 284 Emerging Auto Technology (4 Credits)
  - WBL 112 Work Based Learning I (2 Credits)
  - TRN 130 Intro to Sustainable Trans (3 Credits)
  - TRN 140 Trans Climate Control (2 Credits)
  - TRN 140A Trans Climate Control Lab (2 Credits)

Nash Community College Associate's Degree

Automotive Systems Technology A60160
Total Hours for Graduation: 69-70

- ACA 122 College Transfer Success (1 Credit)
- AUT 116 Engine Repair (3 Credits)
- CIS 110 Intro. to Computers (3 Credits)
- MAT 121 Algebra/Trigonometry I (3 Credits) -or- MAT 171 Precalculus Algebra (4 Credits)
- TRN 110 Intro to Transport Tech (2 Credits)
- TRN 120 Basic Trans. Electricity (5 Credits)
- AUT 141 Suspension & Steering Syst. (3 Credits)
- AUT 141A Suspension & Steering Syst. Lab (1 Credit)
- AUT 151 Brake Systems (3 Credits)
- AUT 151A Brake Systems Lab (1 Credit)
- AUT 181 Engine Performance I (3 Credits)
- ENG 110 Freshman Composition (3 Credits) -or- ENG 111 Writing and Inquiry (3 Credits)
- HUM/FA HUM/Fine Arts Core Elective (3 Credits)
- AUT 163 Advanced Auto Electricity (3 Credits)
- AUT 212 Auto Shop Management (3 Credits)
- COM 110 Intro. to Communication (3 Credits) -or- COM 231 Public Speaking (3 Credits)
- AUT 183 Engine Performance II (4 Credits)
- AUT 221 Auto Transm/Transaxles (3 Credits)
- SOC/BEH Social/Behavioral Science Core Elective (3 Credits)
- TRN 145 Advanced Trans Electronics (3 Credits)
- Elective (XXX) (2-4 Credits)
- AUT 281 Adv. Engine Performance (3 Credits)
- TRN 140 Trans Climate Control (2 Credits)
- TRN 140A Trans Climate Control Lab (2 Credits)
- Elective (XXX) (2-4 Credits)
- Electives (XXX):
  - AUT 113 Auto Servicing I (2 Credits) -or- WBL 112 Work Based Learning I (2 Credits)
  - AUT 114 Safety and Emissions (2 Credits)
  - AUT 114A Safety and Emissions Lab (1 Credit)
  - AUT 213 Auto Servicing II (2 Credits) -or- WBL 122 Work Based Learning II (2 Credits)
  - AUT 163A Adv Auto Electricity Lab (1 Credit)
  - AUT 181A Engine Performance I (1 Credit)
  - AUT 231 Man. Trans/Axles/Drtrains (3 Credits)
  - TRN 120A Basic Transp Electricity Lab (1 Credit)
  - TRN 130 Intro to Sustainable Trans (3 Credits)

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AUTOMOTIVE SYSTEMS:

ELECTRICAL CERTIFICATE

The Automotive Systems curriculum prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. It includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating/air condition systems.

Career Opportunities: Automotive Service Technicians and Mechanics, General Maintenance and Repair Workers, Brake Shops and Tire Stores, Service Manager, Parts Manager, Service Writer

High School Career Cluster

Automotive Services (AUTO)

- Prerequisite: IT16 Automotive Service I
- Concentrator: IT17 Automotive Service II

Nash Community College CCP Pathway

Automotive Systems Electrical Certificate C60160DH

Total Hours: 12

Recommended Sequence of Courses:

Fall Term:

- TRN 120 Basic Trans. Electricity (5 Credits)

Spring Term:

- AUT 163 Advanced Auto Electricity (3 Credits)
- AUT 163A Advanced Auto Electricity Lab (1 Credit)

Fall Term:

- TRN 145 Advanced Trans. Electronics (3 Credits)

Nash Community College Additional Degrees/Certificates

Basic Automotive Systems Certificate C60160A
Total Hours: 18

- AUT 116 Engine Repair [Corequisite TRN 110] (3 Credits)
- TRN 110 Intro to Transport Tech [Corequisite AUT 116] (2 Credits)
- TRN 120 Basic Trans. Electricity (5 Credits)
- AUT 141 Susp. & Steering Systems [AUT 141A Corequisite] (3 Credits)
- AUT 141A Susp. & Steering Systems Lab [AUT 141 Corequisite] (1 Credit)
- AUT 151 Brake Systems [AUT 151A Corequisite] (3 Credits)
- AUT 151A Brake Systems Lab [AUT 151 Corequisite] (1 Credit)

Basic Automotive Systems Certificate C60160B
Total Hours: 16

- AUT 181 Engine Performance I [Prerequisite AUT 116] (3 Credits)
- AUT 163 Advanced Auto Electricity [Prerequisite TRN 120] (3 Credits)
- AUT 183 Engine Performance II [Prerequisite AUT 181] (4 Credits)
- AUT 221 Auto Transm/Transaxles (3 Credits)
- TRN 145 Adv Transp Electronics [Prerequisite TRN 120] (3 Credits)

Automotive Systems Technology Diploma D60160
Total Hours: 47

- AUT 116 Engine Repair (3 Credits)
- AUT 221 Auto Transm/Transaxles (3 Credits)
- ENG 110 Freshman Composition (3 Credits) -or- ENG 111 Writing and Inquiry (3 Credits)
- TRN 110 Intro to Transport Tech (2 Credits)
- TRN 120 Basic Trans. Electricity (5 Credits)
- AUT 141 Susp. & Steering Systems (3 Credits)
- AUT 141A Susp. & Steering Systems Lab (1 Credit)
- AUT 151 Brake Systems (3 Credits)
- AUT 151A Brake Systems Lab (1 Credit)
- AUT 181 Engine Performance I (3 Credits)
- MAT 110 Mathematical Measurement (3 Credits)
- AUT 163 Advanced Auto Electricity (3 Credits)
- AUT 212 Auto Shop Management (3 Credits)
- AUT 183 Engine Performance II (4 Credits)
- TRN 145 Advanced Trans Electronics (3 Credits)
- Elective (XXX) (4 Minimum Credits)
- Electives XXX
  - AUT 114 Safety and Emissions (2 Credits)
  - AUT 114A Safety and Emissions Lab (2 Credits)
  - AUT 163A Advanced Auto Electricity Lab (1 Credit)
  - AUT 181A Engine Performance I Lab (1 Credit)
  - AUT 284 Emerging Auto Technology (4 Credits)
  - WBL 112 Work Based Learning I (2 Credits)
  - TRN 130 Intro to Sustainable Trans (3 Credits)
  - TRN 140 Trans Climate Control (2 Credits)
  - TRN 140A Trans Climate Control Lab (2 Credits)

Nash Community College Associate's Degree

Automotive Systems Technology A60160
Total Hours for Graduation: 69-70

- ACA 122 College Transfer Success (1 Credit)
- AUT 116 Engine Repair (3 Credits)
- CIS 110 Intro. to Computers (3 Credits)
- MAT 121 Algebra/Trigonometry I (3 Credits) -or- MAT 171 Precalculus Algebra (4 Credits)
- TRN 110 Intro to Transport Tech (2 Credits)
- TRN 120 Basic Trans. Electricity (5 Credits)
- AUT 141 Suspension & Steering Syst. (3 Credits)
- AUT 141A Suspension & Steering Syst. Lab (1 Credit)
- AUT 151 Brake Systems (3 Credits)
- AUT 151A Brake Systems Lab (1 Credit)
- AUT 181 Engine Performance I (3 Credits)
- ENG 110 Freshman Composition (3 Credits) -or- ENG 111 Writing and Inquiry (3 Credits)
- HUM/FA HUM/Fine Arts Core Elective (3 Credits)
- AUT 163 Advanced Auto Electricity (3 Credits)
- AUT 212 Auto Shop Management (3 Credits)
- COM 110 Intro. to Communication (3 Credits) -or- COM 231 Public Speaking (3 Credits)
- AUT 183 Engine Performance II (4 Credits)
- AUT 221 Auto Transm/Transaxles (3 Credits)
- SOC/BEH Social/Behavioral Science Core Elective (3 Credits)
- TRN 145 Advanced Trans Electronics (3 Credits)
- Elective (XXX) (2-4 Credits)
- AUT 281 Adv. Engine Performance (3 Credits)
- TRN 140 Trans Climate Control (2 Credits)
- TRN 140A Trans Climate Control Lab (2 Credits)
  Elective (XXX) (2-4 Credits)
- Electives (XXX):
  - AUT 113 Auto Servicing I (2 Credits) -or- WBL 112 Work Based Learning I (2 Credits)
  - AUT 114 Safety and Emissions (2 Credits)
  - AUT 114A Safety and Emissions Lab (1 Credit)
  - AUT 213 Auto Servicing II (2 Credits) -or- WBL 122 Work Based Learning II (2 Credits)
  - AUT 163A Adv Auto Electricity Lab (1 Credit)
  - AUT 181A Engine Performance I (1 Credit)
  - AUT 231 Man. Trans/Axles/Drtrains (3 Credits)
  - TRN 120A Basic Transp Electricity Lab (1 Credit)
  - TRN 130 Intro to Sustainable Trans (3 Credits)

Nash Community College

NC Career & College Promise

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BASIC ELECTRONICS

These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects. Course work includes mathematics, natural sciences, engineering sciences and technology. Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, construction technicians and managers, industrial and technology managers, or research technicians Electronics Engineering Technology: A course of study that prepares the students to apply basic engineering principles and technical skills to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems. Includes instruction in mathematics, basic electricity, solid-state fundamentals, digital concepts, and microprocessors or programmable logic controllers.

Career Opportunities: Graduates should qualify for employment as electronics engineering technician, field service technician, instrumentation technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician.

Nash Community College
CCP Pathway

Basic Electronics
Certificate
C40200AH

Total Hours: 15

Recommended Sequence of Courses:

Fall Term:

- EGR 125 Appl Software for Technology (2 Credits)
- ELC 131 Circuit Analysis I (4 Credits)
- ELC 131A Circuit Analysis I Lab (1 Credit)

Spring Term:

- ELN 131 Analog Electronics (4 Credits)
- ELN 133 Digital Electronics (4 Credits)

Nash Community College
Additional Diploma

Electronics Engineering Technology
Diploma

D40211

Total Hours: 46-48

- ENG 111 Writing and Inquiry (3 Credits)
- MAT 121 Algebra/Trigonometry I (3 Credits) -or- MAT 171 Precalculus Algebra (4 Credits)
- ELC 131 Circuit Analysis I (4 Credits)
- ELN 131 Analog Electronics I (4 Credits)
  ELN 133 Digital Electronics (4 Credits)
- ELN 132 Linear IC Applications (4 Credits)
- ELN 232 Introduction to Microprocessors (4 Credits)
  ELN 260 Prog. Logic Controllers (4 Credits)
- EGR 125 Appl. Software for Tech. (2 Credits)
- ELC 131A Circuit Analysis I Lab (1 Credit)
- ATR 280 Robotic Fundamentals (4 Credits) -or- CET 111 Computer Upgrade/Repair I (3 Credits)
- ELN 235 Data Communication Sys (4 Credits)
- ELN 236 Fiber Optics and Lasers (4 Credits)
- ELN 275 Troubleshooting (2 Credits)

Nash Community College
Associate's Degree

Electronics Engineering Technology
A40200

Total Hours: 73-74

- COM 110 Intro. to Communication (3 Credits) -or- COM 231 Public Speaking (3 Credits)
- ENG 111 Writing and Inquiry (3 Credits)
- ENG 114 Prof. Research and Reporting (3 Credits)
- HUM/FA Humanities/Fine Arts Elective (3 Credits)
- MAT 120 Algebra/Trigonometry I (3 Credits)
- -or- MAT 171 Precalculus Algebra (4 Credits)
- S/BS Social/Behavioral Science Elective (3 Credits)
- ELC 131 Circuit Analysis I (4 Credits)
- ELN 131 Analog Electronics I (4 Credits)
  ELN 133 Digital Electronics (4 Credits)
- ELN 132 Analog Electronics II (4 Credits)
- ELN 232 Intro. to Microprocessors (4 Credits)
- ELN 260 Prog. Logic Controllers (4 Credits)
- ATR 280 Robotic Fundamentals (4 Credits)
- CET 111 Computer Upgrade/Repair I (3 Credits)
- CSC 151 JAVA Programming (3 Credits)
- EGR 125 Appl. Software for Tech. (2 Credits)
- ELC 131A Circuit Analysis I Lab (1 Credit)
- ELC 213 Instrumentation (4 Credits)
- ELN 235 Data Communication Sys. (4 Credits)
- ELN 236 Fiber Optics and Lasers (4 Credits)
- ELN 275 Troubleshooting (2 Credits)
- MAT 172 Precalculus Trigonometry (4 Credits)
- ACA 122 College Transfer Success (1 Credit)

Bachelor's Degree:

East Carolina University

Bachelor of Science in Industrial Technologies Transfer Program

https://cet.ecu.edu/techsystems/undergraduate-programs/industrial-technology-transfer/

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BROADCASTING AND PRODUCTION

The Broadcasting and Production Technology program focuses on audio and video editing, broadcast writing, radio production and performance, video production and performance, live broadcast production, post production, and modern media delivery methods. During the program, students learn broadcasting fundamentals through hands-on experience. Students will create and edit audio and video productions using the latest software with modern studio audio/video equipment. Students will gain experience in contemporary studio operations as well as techniques in script and broadcast writing, performance in media, broadcast/media history, methodology, sales, and ethics. The Broadcasting and Production Technology program prepares students for employment as announcers, music director, news staff, promotions and sales representative, station manager, broadcast editor, camera operator, field audio engineer, associate producer, control engineer, production manager, floor director, multimedia producer, effects operation and other broadcast technician duties.

Career Opportunities: Announcers, Music Director, News Staff, Station Manager, Broadcast Editor, Multimedia Producer, Camera Operator, Associate Producer, Production Manager, Audio/Control Engineer, Floor Director, Effects Operation

Nash Community College CCP Pathway

Broadcasting and Production Administration Certificate C30120AH

Total Hours: 13

Recommended Sequence of Courses:

Fall Term:
- BPT 110 Introduction to Broadcasting (3 Credits)
- BPT 111 Broadcast Law & Ethics (3 Credits)

Spring Term:
- BPT 112 Broadcast Writing (4 Credits)
- BPT 113 Broadcast Sales (3 Credits)

Nash Community College Additional Degrees/Certificates

Radio Production Certificate C30120AH

Total Hours: 13

- BPT 110 Introduction to Broadcasting (3 Credits)
- BPT 131 Audio/Radio Production I (4 Credits)
- BPT 132 Audio/Radio Production II (4 Credits)
- BPT 135 Radio Performance I (2 Credits)

Video Production Certificate C30120B

Total Hours: 13
- BPT 110 Introduction to Broadcasting (3 Credits)
- BPT 231 Video/TV Production I (4 Credits)
- BPT 235 TV Performance I (2 Credits)
- BPT 232 Video/TV Production II (4 Credits)

Nash Community College Associate's Degree

Broadcasting Production Technology A30120

Total Hours: 67

- ACA 122 College Transfer Success (1 Credit)
- ENG 111 Writing and Inquiry (3 Credits)
- MAT 143 Quantitative Literacy (3 Credits)
- BPT 110 Introduction to Broadcasting (3 Credits)
- BPT 131 Audio/Radio Production I (4 Credits)
- BPT 112 Broadcast Writing (4 Credits)
- BPT 113 Broadcast Sales (3 Credits
- BPT 132 Audio/Radio Production II (4 Credits)
- BPT 135 Radio Performance I (2 Credits)
- COM 110 Introduction to Communications (3 Credits)
- PSY 150 General Psychology (3 Credits)
- BPT 111 Broadcast Law & Ethics (3 Credits)
- BPT 231 Video/TV Production I (4 Credits)
- BPT 235 TV Performance I (2 Credits)
- COM 231 Public Speaking (3 Credits)
- WEB 111 Introduction to Web Graphics (3 Credits)
- BPT 232 Video/TV Production II (4 Credits)
- BPT 250 Institutional Video (3 Credits)
- BPT 285 Broadcast Capstone (3 Credits)
- FVP 240 Introduction to Screenwriting (3 Credits)
- HUM 160 Introduction to Film (3 Credits) – Any Humanities/Fine Arts elective will apply towards this credit, however, HUM 160 is preferred.

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BUSINESS ADMINISTRATION

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy. Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making. Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Career Opportunities: Office Administrator, Human Resources Manager, Advertising and Marketing Roles, Business Developer, Business Consultant, Buyer or Purchasing Agent, Business Analyst, Administrative Assistant

High School Career Cluster

High School Career Cluster One: General Management (GMGT)

- Prerequisite: BB40 Business Management I
- Concentrator: BB42 Business Management II

High School Career Cluster Two: Entrepreneurship (ENTRE)

- Prerequisite: ME 11 Entrepreneurship I
- Concentrator: ME 12 Entrepreneurship II

High School Career Cluster Three: Financial Planning (FNPL)

- Prerequisite: BF21 Financial Planning I
- Concentrator: BF22 Financial Planning II

Nash Community College CCP Pathway

Business Administration Certificate C25120CP

Total Hours: 12

Recommended Sequence of Courses:

Fall Term:

- BUS 110 Introduction to Business (3 Credits)
- BUS 151 People Skills (3 Credits)

Spring Term:

- BUS 137 Principles of Management (3 Credits)
- BUS 240 Business Ethics (3 Credits)

Nash Community College Additional Degrees/Certificates

Budget/Finance Certificate C25120C
Total Hours: 14

- ACC 120 Principles of Financial Accounting (4 Credits)
- ACC 121 Principles of Managerial Accounting (4 Credits)
- BS 225 Business Finance (3 Credits)
- ECO 251 Principles of Microeconomics (3 Credits) -or- ECO 252 Principles of Macroeconomics (3 Credits)

Marketing Certificate C25120B
Total Hours: 12

- BUS 110 Introduction to Business (3 Credits)
- BUS 240 Business Ethics (3 Credits)
- MKT 120 Principles of Marketing (3 Credits)
- MKT 123 Fundamentals of Selling (3 Credits)

Business Administration Diploma
Total Hours: 37

- COM 110 Introduction to Communication (3 Credits) -or- COM 231 Public Speaking (3 Credits)
- ENG 111 Writing and Inquiry (3 Credits)
- ACC 120 Principles of Financial Accounting (4 Credits)
- BUS 110 Introduction to Business (3 Credits)
- BUS 115 Business Law I (3 Credits)
- BUS 137 Principles of Management (3 Credits)
- CIS 110 Introduction to Computers (3 Credits)
- ECO 251 Principles of Microeconomics (3 Credits) -or- ECO 252 Principles of Macroeconomics (3 Credits)
- MKT 120 Principles of Marketing (3 Credits)
- BUS 151 People Skills (3 Credits)
- BUS 240 Business Ethics (3 Credits)
- INT 110 International Business (3 Credits)

Nash Community College Associate's Degree

Business Administration A25120

Total Hours: 68-69

- ACA 122 College Transfer Success (1 Credit)
- ENG 111 Writing and Inquiry (3 Credits)
- MAT 143 Quantitative Literacy (3 Credits)
- ACC 120 Principles of Financial Accounting (4 Credits)
- BUS 110 Introduction to Business (3 Credits)
- ACC 121 Principles of Managerial Accounting (4 Credits)
- BUS 151 People Skills (3 Credits)
- CIS 110 Introduction to Computers (3 Credits) ENG 114 Professional Research and Reporting (3 Credits)
- MKT 120 Principles of Marketing (3 Credits)
- CTS 130 Spreadsheet I (3 Credits)
- MKT 123 Fundamentals of Selling (3 Credits)
- BUS 115 Business Law I (3 Credits)
- BUS 137 Principles of Management (3 Credits)
- BUS 225 Business Finance (3 Credits)
- ECO 251 Principles of Microeconomics (3 Credits)
- INT 110 International Business (3 Credits)
- BUS 238 Integrated Management (3 Credits)
- BUS 240 Business Ethics (3 Credits)
- COM 110 Introduction to Communication (3 Credits) -or- COM 231 Public Speaking (3 Credits)
- ECO 252 Principles of Macroeconomics (3 Credits)
- Business Elective (2-3 Credits) *Select one of the following: ACC 140, ACC 180, ETR 210, LOG 110. Or SPA 120

Nash Community College

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CASE MANAGEMENT

The Human Services Technology curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and educational services. Along with core courses, students take courses which prepare them for specialization in specific human service areas. Students will take courses from a variety of disciplines. Emphasis in core courses is placed on development of relevant knowledge, skills, and attitudes in human services. Fieldwork experience will provide opportunities for application of knowledge and skills learned in the classroom. Graduates choosing to continue their education may select from a variety of transfer programs at senior public and private institutions.

Career Opportunities: Mental Health Facilities, Child Care Positions, Family and Social Service Positions, Rehabilitators, Correction Agencies, Educational Agencies

High School Career Cluster

Counseling and Mental Health (CHMC)

- Prerequisite: FC13 Counseling and Mental Health I
- Concentrator: FC14 Counseling and Mental Health II

Nash Community College CCP Pathway

Case Management Certificate C45380AH

Total Hours: 15

Recommended Sequence of Courses:

Fall Term:

- HSE 110 Intro to Human Services (3 Credits)
- HSE 123 Interviewing Techniques (3 Credits)

Spring Term:

- PSY 150 General Psychology (3 Credits)

Fall Term:

- HSE 125 Counseling (3 Credits)
- HSE 220 Case Management (3 Credits)

Nash Community College Associate's Degrees

Human Services Technology A45380

Total Hours: 65-66

- COM 110 Intro to Communication -or- COM 120 Intro to Interpersonal Communication -or- COM 140 Intro to Intercultural Communication -or- COM 231 Public Speaking (3 Credits)
- ENG 111 Writing and Inquiry (3 Credits)
- ***HUM/FA Humanities/Fine Arts Elective (3 Credits)
- MAT 143 Quantitative Literacy (3 Credits)
- SOC 213 Sociology of the Family (3 Credits)
- HSE 110 Intro to Human Services (3 Credits)
- HSE 112 Group Process I (2 Credits)
- HSE 123 Interviewing Techniques (3 Credits)
- HSE 125 Counseling (3 Credits)
- HSE 210 Human Services Issues (2 Credits)
- HSE 225 Crisis Intervention (3 Credits)
- PSY 150 General Psychology (3 Credits)
- PSY 241 Developmental Psychology (3 Credits)
- SOC 210 Introduction to Sociology (3 Credits)
- ACA 122 College Transfer Success (1 Credit)
- CIS 110 Intro to Computers (3 Credits)
- GRO 120 Gerontology (3 Credits)
- BIO 110 Principles of Biology (4 Credits) -or- HEA 110 Personal Health/Wellness (3 Credits)
- HSE 220 Case Management (3 Credits)
- PSY 281 Abnormal Psychology (3 Credits)
- SAB 110 Substance Abuse Overview (3 Credits)
- SWK 110 Introduction to Social Work (3 Credits)
- SWK 113 Working with Diversity (3 Credits)

***HUM/FA Elective (Select 1 Course): ART 111, ART 114, ART 115, DRA 111, ENG 231, ENG 232, ENG 233, ENG 241, ENG 242, ENG 261, ENG 262, HUM 110, HUM 115, HUM 120, HUM 130, HUM 150, HUM 160, HUM 180, HUM 211, HUM 212, MUS 110, MUS 112, PHI 215, PHI 220, PHI 230, PHI 240, REL 110. REL 211, REL 212

Nash Community College also offers Human Service Technology Associate's Degrees with concentrations in substance abuse and gerontology.

Bachelor's Degree:

Barton College

Bachelor of Social Work (BSW)

https://www.barton.edu/academics/programs/social-work/

Nash Community College

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COMPUTER PROGRAMMING CERTIFICATE

This pathway prepares students to use basic engineering principles and technical skills for installing, servicing, and maintaining computers, peripherals, networks, and microprocessor and computer- controlled equipment. Includes instruction in mathematics, computer electronics and programming, prototype development and testing, systems installation and testing, solid state and microminiature circuitry, peripheral equipment, and report preparation. Graduates may also qualify for certification in electronics, computers, or networks.

Career Opportunities: Graduates should qualify for employment opportunities in electronics technology, computer service, computer networks, server maintenance, programming, and other areas requiring knowledge of electronic and computer systems.

High School Career Cluster

High School Career Cluster One: Computer Engineering (COEN)

- Prerequisite: 1121 Computer Engineering Technology I
- Concentrator: 1122 Computer Engineering Technology II

High School Career Cluster Two: Computer Science Principles (CSPR)

- Prerequisite: BP41 Computer Science Principles I
- Concentrator: BP42 Computer Science Principles II

Nash Community College CCP Pathway

Computer Programming Certificate C40160BH

Total Hours: 15

Recommended Sequence of Courses:

Fall Term:
- EGR 125 Appl Software for Tech (2 Credits)

Spring Term:
- CSC 151 JAVA Programming (3 Credits)

Summer Term:
- CSC 251 Adv JAVA Programming (3 Credits)

Fall Term:
- CSC 143 Object-Oriented Prog. (3 Credits)

Spring Term:
- CET 251 Software Eng. Principles (4 Credits)

Nash Community College Additional Diplomas/Certificates

Computer Engineering Technology Certificate C40160A
Total Hours: 18

- EGR 125 Appl Software for Tech (2 Credits)
- ELN 235 Data Communication (4 Credits)
- CET 111 Computer Upgrade and Repair I (3 Credits)
- CET 211 Computer Upgrade and Repair II (3 Credits)
- ELN 237 Local Area Networks (3 Credits)
- ELN 238 Advanced LANs (3 Credits)

Computer Engineering Technology Diploma D40160
Total Hours: 41

- EGR 125 Appl Software for Tech (2 Credits)
- ELN 133 Digital Electronics (4 Credits)
- ELC 131 Circuit Analysis I (4 Credits)
- ELC 131A Circuit Analysis I Lab (1 Credit)
- ENG 111 Writing and Inquiry (3 Credits)
- MAT 121 Algebra/Trigonometry I (3 Credits)
- CET 111 Computer Upgrade and Repair I (3 Credits)
- CSC 151 JAVA Programming (3 Credits)
- ELN 131 Analog Electronics (4 Credits)
- ELN 232 Intro to Microprocessors (4 Credits)
- ELN 235 Data Communication (4 Credits)
- CET 211 Computer Upgrade and Repair II (3 Credits)
- ELN 237 Local Area Networks (3 Credits)

Nash Community College Associate's Degree

Computer Engineering Technology A40160

Total Hours: 76

- COM 110 Intro to Communication -or- COM 231 Public Speaking (3 Credits)
- ENG 111 Writing and Inquiry (3 Credits)
- MAT 121 Algebra/Trigonometry I (3 Credits)
- HUM/FA Humanities/Fine Arts Elective (3 Credits)
- ELC 131 Circuit Analysis I (4 Credits)
- ELN 131 Analog Electronics I (4 Credits)
- ELN 133 Digital Electronics (4 Credits)
- CET 111 Computer Upgrade and Repair I (3 Credits)
- CET 211 Computer Upgrade and Repair (3 Credits)
- CSC 151 JAVA Programming (3 Credits)
- ELN 235 Data Communication Sys. (4 Credits)
- CET 130 Operating System Prin. (3 Credits)
- CET 251 Software Eng. Principles (4 Credits)
- CET 293 Selected Topic Seminar (3 Credits)
- CSC 143 Object-Oriented Prog. (3 Credits)
- CSC 251 Adv. JAVA Programming (3 Credits)
- EGR 125 Appl Software for Tech (2 Credits)
  ELC 131 A Circuit Analysis I Lab (1 Credit)
- ELN 232 Intro to Microprocessors (4 Credits)
- ELN 237 Local Area Networks (3 Credits)
- ELN 238 Advanced LANs (3 Credits)
- MAT 122 Algebra/Trigonometry II (3 Credits)
- CET 245 Internet Servers (3 Credits)
- ACA 122 College Transfer Success (1 Credit)

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COSMETOLOGY

The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills. Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics. Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license.

Career Opportunities: Employment is available in beauty salons and related businesses.

Nash Community College CCP Pathway

Cosmetology Certificate
C55140AH

Total Hours: 34

Recommended Sequence of Courses:

Fall Term:
- COS 111AB Cosmetology Concepts I (2 Credits)
- COS 112AB Salon I (4 Credits)

Spring Term:
- COS 111BB Cosmetology Concepts I (2 Credits)
- COS 112BB Salon I (4 Credits)

Summer Term:
(Student must provide a cosmetology textbook and kit for this session).
- COS 115 Cosmetology Concepts III (4 Credits)
- COS 116 Salon III (4 Credits)

Fall Term: (Evening Class)
- COS 113AB Cosmetology Concepts II (2 Credits)
- COS 114AB Salon II (4 Credits)

Spring Term: (Evening Class)
- COS 113BB Cosmetology Concepts II (2 Credits)
- COS 114BB Salon II(4 Credits)
- COS 223 01 Contemporary Coloring Concepts (2 Credits)

Nash Community College Additional Diploma

Cosmetology Diploma
D55140A

Total Hours: 47

- ENG 111 Writing and Inquiry (3 Credits)
- PSY 150 General Psychology (3 Credits)
- COS 111 Cosmetology Concepts I (4 Credits)
- COS 112 Salon I (8 Credits)
- COS 113 Cosmetology Concepts II (4 Credits)
- COS 114 Salon II (8 Credits)
- COS 115 Cosmetology Concepts III (4 Credits)
- COS 116 Salon III (4 Credits)
- COS 117 Cosmetology Concepts IV (2 Credits)
- COS 118 Salon IV (7 Credits)

Nash Community College Associate's Degree

Cosmetology
A55140

Total Hours: 65

- COM 231 Public Speaking (3 Credits)
- ENG 111 Writing and Inquiry (3 Credits)
- MAT 143 Quantitative Literacy (3 Credits)
- PSY 150 General Psychology (3 Credits)
- HUM/FA Humanities/Fine Arts Elective (3 Credits)
- COS 111 Cosmetology Concepts I (4 Credits)
- COS 112 Salon I (8 Credits)
- COS 113 Cosmetology Concepts II (4 Credits)
- COS 114 Salon II (8 Credits)
- COS 115 Cosmetology Concepts III (4 Credits)
- COS 116 Salon III (4 Credits)
- COS 117 Cosmetology Concepts (2 Credits)
- BUS 110 Intro to Business (3 Credits)
- CIS 110 Intro to Computers (3 Credits)
- COS 223 Contemporary Hair Coloring (2 Credits)
- COS 118 Salon IV (7 Credits)
- ACA 122 College Transfer Success (1 Credit)

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CRIMINAL JUSTICE

The Criminal Justice Technology curriculum is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system's role within society will be explored. Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law, investigative principles, ethics, and community relations. Additional study may include issues and concepts of government, counseling, communications, computers, and technology.

Career Opportunities: Employment opportunities exist in a variety of local, state, and federal law enforcement, corrections, and security fields. Examples include police officer, deputy sheriff, county detention officer, state trooper, intensive probation/parole surveillance officer, correctional officer, and loss prevention specialist.

Nash Community College
CCP Pathway

Criminal Justice Certificate

C55180BH

Total Hours: 12

Recommended Sequence of Courses:

Fall Term:
- CJC 111 Introduction to Criminal Justice (3 Credits)
- CJC 112 Criminology (3 Credits)

Spring Term:
- CJC 121 Law Enforcement Operations (3 Credits)
- CJC 231 Constitutional Law (3 Credits)

Nash Community College
Associate's Degree

Criminal Justice Technology
A55180

Total Hours: 67

- COM 231 Public Speaking (3 Credits)
- ENG 111 Writing and Inquiry (3 Credits)
- HUM/FA Humanities/Fine Arts Elective (3 Credits)
- MAT 143 Quantitative Literacy (3 Credits)
- SOC/BEH Social/Behavioral Science Elective (3 Credits)
- CJC 111 Introduction to Criminal Justice (3 Credits)
- CJC 112 Criminology (3 Credits)
- CJC 113 Juvenile Justice (3 Credits)
- CJC 131 Criminal Law (3 Credits)
- CJC 212 Ethics and Community Relations (3 Credits)
- CJC 221 Investigative Principles (4 Credits)
- CJ 231 Constitutional Law (3 Credits)
- CJC 114 Investigative Photography (2 Credits)
- CJC 132 Court Procedure and Evidence (3 Credits)
- CJC 144 Crime Scene Processing (3 Credits)
- CJC 145 Crime Scene CAD (3 Credits)
- CJC 146 Trace Evidence (3 Credits)
- CJC 214 Victimology (3 Credits)
- CJC 222 Criminalistics (3 Credits)
- CJC 245 Friction Ridge Analysis (3 Credits)
- CJC 246 Adv. Friction Analysis (3 Credits)
- CJC 250 Forensic Biology I (3 Credtis)
- ACA 122 College Transfer Success (1 Credit)

- HUM/FA Elective Courses (Select 1 Course):
  HUM 110, HUM 115, HUM 120, HUM 130, HUM 150, HUM 211, HUM 212, PHI 215, PHI 220, PHI 230, PHI 240, REL 110, REL 211, REL 212
- SOC/BEH Elective Courses (Select 1 Coruse):
  ANT 210, ANT 220, HIS 111, HIS 112, HIS 212, HIS 122, HIS 131, HIS 132, POL 110, POL 120, POL 220, PSY 150, PSY 239, PSY 241, PSY 281, SOC 210, SOC 213, SOC 220, SOC 240

There is also a Forensic Science Concentration. Consult the NCC Academic Catalog for more details.

Bachelor's Degree:

North Carolina Wesleyan College

Criminal Justice Studies

https://ncwc.edu/academics/adult-professional-studies/adult-degrees-offered/criminal-justice-studies/

Barton College

Criminology and Criminal Justice

https://www.barton.edu/academics/programs/criminology-and-criminal-justice/

NC CAREER & COLLEGE PROMISE

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CYBERSECURITY CERTIFICATE

The Cybersecurity certificate is part of the Information Technology: Systems Security degree program. Course work focuses on information policy, intrusion detection, security administration, and industry best practices to protect data communications.

Career Opportunities: Cybersecurity Analyst, Security Architect, Security Administrator

Nash Community College CCP Pathway

Cybersecurity Certificate C25590XH

Total Hours: 15

Recommended Sequence of Courses:

Fall:

- CTI 120 Network & Security Foundation (3 Credits)
- SEC 110 Security Concepts (3 Credits)

Spring:

- SEC 150 Secure Communications (3 Credits)
- SEC 210 Intrusion Detection (3 Credits)
- SEC 180 Info Assurance Principles (3 Credits)

Nash Community College Additional Certificates

Software Applications Certificate C25590AA

Total Hours: 15

- CIS 110 Introduction to Computers (3 Credits)
  CTI 110 Web, Program, and DB Foundation (3 Credits)
- CTI 120 Network and Security Foundation (3 Credits)
- DBA 110 Database Concepts (3 Credits)
- CTS 130 Spreadsheets (3 Credits)

Helpdesk Support Certificate C25590AB

Total Hours: 18

- CTI 120 Network and Security Foundation (3 Credits)
- CTS 120 Hardware/Software Support (3 Credits)
- NOS 130 Windows Single User (3 Credits)
- CTS 220 Advanced Hard/Software Support (3 Credits)
- NOS 230 Windows Admin I (3 Credits)
- CTI 150 Mobile Computing Devices (3 Credits) -or- CTI 141 Cloud and Storage Concepts (3 Credits)

Nash Community College Associate's Degree

Information Systems A25590A

Total Hours: 71

- ACA 122 College Transfer Success (1 Credit)
- ENG 111 Writing and Inquiry (3 Credits)
- MAT 143 Quantitative Literacy (3 Credits) -or- MAT 171 Precalculus Algebra (4 Credits)
- CIS 110 Introduction to Computers (3 Credits)
- CTI 110 Web, Program, and Database Foundation (3 Credits)
- CTS 115 Information Systems Business Contact (3 Credits)
- CSC 151 JAVA Programming (3 Credits)
- CTI 120 Network and Security Foundations (3 Credits)
- NOS 120 Linus/UNIX Single User (3 Credits)
- NOS 130 Windows Single User (3 Credits)
- WEB 140 Web Development Tools (3 Credits)
- CTS 130 Spreadsheets (3 Credits)
- DBA 110 Database Concepts (3 Credits)
- H/FA Humanities/Fine Arts Elective (3 Credits)
- COM Communications Elective (3 Credits)
- CTI 141 Cloud and Storage Concepts (3 Credits)
- CTS 120 Hardware and Software Support (3 Credits)
- DBA 115 Database Applications (3 Credits)
- NOS 230 Windows Administrator I (3 Credits)
- CTI 150 Mobile Computing Devices (3 Credits)
- CTS 220 Advanced Hardware and Software Support (3 Credits)
- CTS 287 Emerging Technology (3 Credits)
- CTS 289 System Support Project (3 Credits)
- S/BS Social/Behavioral Science Elective (3 Credits)
- WBL 111 Work-Based Learning I (1 Credit)

Nash Community College

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EARLY CHILDHOOD EDUCATION

This curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities. Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require. Graduates should qualify for a variety of jobs in the electrical field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical systems.

Career Opportunities: Preschool Teacher, Childcare Worker, Childcare Center Director, Nanny

High School Career Clusters

High School Cluster One: Early Childhood Development and Services (EACH)

- Prerequisite: FE60 Child Development
- Concentrator: FE11 Early Childhood Education I

High School Cluster Two: Teaching/Training (TETR)

- Prerequisite: FE21 Teaching as a Profession I
- Concentrator: FE22 Teaching as a Profession II

Nash Community College CCP Pathway

Early Childhood Certificate

C55220KH

Total Hours: 13

Recommended Sequence of Courses:

Fall:

- EDU 119 Introduction to Early Childhood Education (4 Credits)
- EDU 131 Child, Family, and Community (3 Credits)

Spring:

- EDU 144 Child Development I (3 Credits)
- EDU 146 Child Guidance (3 Credits)

Nash Community College Additional Diploma and Certificates

Early Childhood Education Diploma D55220
Total Hours: 37

- ENG 111 Writing and Inquiry (3 Credits)
- ENG 114 Professional Research and Reporting (3 Credits)
- EDU 119 Intro to Early Childhood Education (4 Credits)
- EDU 131 Child, Family, and Community (3 Credits)
- EDU 144 Child Development I (3 Credits)
- EDU 145 Child Development II (3 Credits)
- EDU 146 Child Guidance (3 Credits)
- EDU 151 Creative Activities (3 Credits)
- EDU 153 Health, Safety, and Nutrition (3 Credits)
- EDU 184 Early Childhood Intro Pract (2 Credits)
- EDU 234 Infants, Toddlers, and Twos (3 Credits)
- EDU 259 Curriculum Planning (3 Credits)
- ACA 122 College Transfer Success (1 Credit)

Infant Toddler Certificate C55220H (Total Credits: 13)

- EDU 119 Intro. to Early Childhood Education (4 Credits)
- EDU 131 Child, Family, and Community (3 Credits)
- EDU 146 Child Guidance (3 Credits)
- EDU 234 Infants, Toddlers, and Twos (3 Credits)

Intentional Teacher Certificate C55220J (Total Credits: 16)

- EDU 119 Intro. to Early Childhood Education (4 Credits)
- EDU 151 Creative Activities (3 Credits)
- EDU 153 Health, Safety, and Nutrition (3 Credits)
- EDU 259 Curriculum Planning (3 Credits)
- EDU 280 Language and Literacy Experiences (3 Credits)

School-Age Certificate C55220I (Total Credits: 16)

- EDU 119 Intro. to Early Childhood Education (4 Credits)
- EDU 131 Child, Family, and Community (3 Credits)
- EDU 145 Child Development II (3 Credits)
- EDU 146 Child Guidance (3 Credits)
- EDU 282 Early Childhood Literature (3 Credits)

Teacher Associate Certificate C55220B (Total Credits: 15)

- EDU 131 Child, Family, and Community (3 Credits)
- EDU 145 Child Development II (3 Credits)
- EDU 146 Child Guidance (3 Credits)
- EDU 163 Classroom Management and Instruction (3 Credits)
- EDU 271 Educational Technology (3 Credits)

Early Childhood Administration Certificate C55220G (Total Credits: 16)

- EDU 119 Intro. to Early Childhood Education (4 Credits)
- EDU 131 Child, Family, and Community (3 Credits)
- EDU 146 Child Guidance (3 Credits)
- EDU 261 Early Childhood Administration I (3 Credits)
- EDU 262 Early Childhood Administration II (3 Credits)

Early Childhood CTE Certificate C55220K (Total Credits: 13)

- EDU 119 Intro. to Early Childhood Education (4 Credits)
- EDU 131 Child, Family, and Community (3 Credits)
- EDU 146 Child Guidance (3 Credits)
- EDU 153 Health, Safety, and Nutrition (3 Credits)

Nash Community College Program Pathways

The Early Childhood Education program pathways are designed for students who are currently working in or plan to enter the Early Childhood field upon graduation. Students can choose from 3 different pathways depending upon their career goals.

- The Early Childhood: **Birth-Kindergarten Teacher Transfer Pathway** is designed for students who intend to transfer to a four-year college/university in order to earn their Birth-Kindergarten degree & Teaching Licensure. (Total Credits: 73)
- The Early Childhood: **Non-Licensure Transfer Pathway** is designed for students who intend to transfer to a four-year college/university in order to earn their Early Care & Education degree & work with children & families in a non-teaching environment. (Total Credits: 73)
- The Early Childhood: **Non-Transfer Pathway** is designed for students who do NOT wish to transfer to a four-year college/university. (Total Credits: 71)

For more information, consult Nash Community College's Academic Catalog.

Bachelor's Degree:

UNC-Greensboro

Early Ed 2+2 Program

https://hhs.uncg.edu/hdf/undergraduate/programs/

ECE: Birth to Kindergarten Teacher Transfer Pathway--All 16 UNC Schools

ECE: Non-Licensure Pathway--All 16 UNC Schools

ECE: Non-Transfer Pathway--does not transfer (not recommended)

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ELECTRICAL WIRING CERTIFICATE

This curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities. Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require.

Career Opportunities: Graduates should qualify for a variety of jobs in the electrical field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical systems.

High School Career Cluster

Electrical Trades (ELTR)

- Prerequisite: IC 41 Electrical Trades I
- Concentrator: IC 42 Electrical Trades II

Nash Community College CCP Pathway

Electrical Wiring Certificate C35130AH

Total Hours: 15

Recommended Sequence of Courses:

Fall:
- ELC 131 Circuit Analysis I (4 Credits)
- ELC 131A Circuit Analysis I Lab (1 Credit)
- ELC 113 Basic Wiring I (4 Credits)

Spring:
- ELC 115 Industrial Wiring (4 Credits)
- EGR 125 Appl Software for Technology (2 Credits)

Nash Community College Additional Certificates and Diploma

Electrical Controls Certificate: C35130B
Total Hours: 13
- ELC 131 Circuit Analysis I (4 Credits)
- ELC 131A Circuit Analysis I Lab (1 Credit)
- ELC 117 Motors and Controls (4 Credits)
- ELN 260 Prog Logic Controllers (4 Credits)

PLC Controls Certificate: C35130C
Total Hours: 12
- ELN 260 Prog Logic Controllers (4 Credits)
- ELC 228 PLC Applications (4 Credits)
- PCI 264 Process Control with PLCs (4 Credits)

Industrial Robotics Certificate: C35130DH
Total Hours: 14
- ELN 260 Prog Logic Controllers (4 Credits)
- ATR 280 Robotic Fundamentals (4 Credits)
- ATR 281 Automation Robotics (4 Credits)
- ISC 112 Industrial Safety (2 Credits)

Instrumentation Certificate: C35130E
Total Hours: 17
- ELC 131 Circuit Analysis I (4 Credits)
- ELC 13A Circuit Analysis I Lab (1 Credit)
- ELC 213 Instrumentation (4 Credits)
- ELN 229 Industrial Electronics (4 Credits)
- ELN 260 Prog Logic Controllers (4 Credits)

Electrical Systems Technology Diploma: D35130
Total Hours: 39-40
- EGR 131 Intro to Electronics Tech (2 Credits)
- ELC 131 and ELC 131A Circuit Analysis and Lab (5 Credits)
- ELC 114 Basic Wiring I (1 Credit)
  ELC 113 Basic Wiring I (4 Credits)
  ENG 110 Freshman Composition (3 Credits) -or- ENG 111 Writing and Inquiry (3 Credits)
- MAT 121 Algebra/Trigonometry I (3 Credits) -or- MAT 171 Precalculus Algebra (4 Credits)
- ELC 115 Industrial Wiring (4 Credits)
- ELC 117 Motors and Controls (4 Credits)
- ELC 213 Instrumentation (4 Credits)
- ISC 112 Industrial Safety (2 Credits)
- ELN 260 Prog Logic Controllers (4 Credits)

Nash Community College Associate's Degree

Electrical Systems Technology A35130

Total Hours: 72

- ACA 122 College Transfer Success (1 Credit)
- EGR 125 Appl Software for Tech (2 Credits)
- ELC 131 Circuit Analysis I (4 Credits)
- ELC 131 A Circuit Analysis I Lab (1 Credit)
- ELC 113 Residential Wiring (4 Credits)
- ENG 110 Freshman Composition (3 Credits) -or- ENG 111 Writing and Inquiry (3 Credits)
- MAT 121 Algebra/Trigonometry I (3 Credits) -or- MAT 171 Precalculus Algebra (4 Credits)
- ELC 115 Industrial Wiring (4 Credits)
- ELC 117 Motors and Controls (4 Credits)
- ELC 213 Instrumentation (4 Credits)
- ELN 131 Analog Electronics I (4 Credits)
- ELN 260 Prog Log Controllers (4 Credits)
- Social/Behavioral Science Core Elective (3 Credits)
- ATR 280 Robotic Fundamentals (4 Credits)
- COM 110 Introduction to Communication (3 Credits) -or- COM 231 Public Speaking (3 Credits)
- ELC 228 PLC Applications (4 Credits)
- Humanities/Fine Arts Elective (3 Credits)
- HYD 110 Hydraulics/Pneumatics I (3 Credits)
- ATR 281 Automated Manufacturing (4 Credits)
- ELN 235 Data Communication Systems (4 Credits)
- ISC 112 Industrial Safety (2 Credits)
- PCI 264 Process Control with PLCs (4 Credits)

Bachelor's Degree:

East Carolina University

Bachelor of Science in Industrial Technologies Transfer Program

https://cet.ecu.edu/techsystems/undergraduate-programs/industrial-technology-transfer/

Nash Community College

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EMERGENCY MANAGEMENT CERTIFICATE

The Emergency Management curriculum is designed to provide students with a foundation of technical and professional knowledge needed for emergency services delivery in local and state government agencies. Study involves both management and technical aspects of law enforcement, fire protection, emergency medical services, and emergency planning. Course work includes classroom and laboratory exercises to introduce the student to various aspects of emergency preparedness, protection, and enforcement. Students will learn technical and administrative skills such as investigative principles, hazardous materials, codes, standards, emergency agency operations, and finance.

Career Opportunities: Employment opportunities include ambulance services, fire/rescue agencies, law enforcement agencies, fire marshal offices, industrial firms, educational institutions, emergency management offices, and other government agencies. Employed persons should have opportunities for skilled and supervisory-level positions.

High School Career Clusters

High School Career Cluster: Public Safety (PSPW)

- Prerequisite: IP11 Public Safety I
- Concentrator: IP12 Public Safety II

Nash Community College CCP Pathway

Emergency Management Certificate EM Essentials C55460AH

Total Hours: 12

Recommended Sequence of Courses:

Fall:

- EPT 140 Emergency Management (3 Credits)
- EPT 120 Sociology of Disaster (3 Credits)

Spring:

- EPT 130 Mitigation and Preparedness (3 Credits)
- EPT 210 Response and Recovery (3 Credits)

Nash Community College Additional Certificates

Emergency Management Certificate
Fire Management Concentration
C55460BH
Total Hours: 12

- **EPT 140 Emergency Management (3 Credits)**
- **EPT 120 Sociology of Disaster (3 Credits)**
- **FIP 120 Introduction to Fire Protection (3 Credits)**
- **FIP 124 Fire Protection and Public Education (3 Credits)**

Emergency Management Certificate
Business Concentration
Total Hours: 12

- **EPT 140 Emergency Management (3 Credits)**
- **BUS 110 Introduction to Business (3 Credits)**
- **CIS 110 Introduction to Computers (3 Credits)**
- **FIP 240 Fire Service Supervision (3 Credits)**

Emergency Management Certificate
EM and Fire Basics
C-55460B
Total Hours: 12

- EPT 140 Emergency Management (3 Credits)
- FIP 120 Introduction to Fire Protection (3 Credits)
- FIP 124 Fire Protection and Public Education (3 Credits)
- EPT 120 Sociology of Disaster (3 Credits)

Nash Community College Associate's Degree

Emergency Management
A55460

Total Hours: 70-71

- COM 110 Introduction to Communication (3 Credits)
- ENG 111 Writing and Inquiry (3 Credits)
- ENG 114 Professional Research and Reporting (3 Credits)
- MAT 143 Quantitative Literacy (3 Credits)
- Social Behavioral Science Core Elective (3 Credits)
- Humanities/Fine Arts Elective (3 Credits)
- EPT 120 Sociology of Disaster (3 Credits)
- EPT 130 Mitigation and Preparedness (3 Credits)
- EPT 140 Emergency Management (3 Credits)
- EPT 150 Incident Management (3 Credits)
- EPT 210 Response and Recovery (3 Credits)
- EPT 220 Terrorism and Emergency Management (3 Credits)
- EPT 275 Emergency Operations Center Management (3 Credits)
- FIP 152 Fire Protection Law (3 Credits)
- FIP 228 Local Government Finance (3 Credits)
- BUS 110 Introduction to Business (3 Credits)
- CIS 110 Introduction to Computers (3 Credits)
- FIP 120 Introduction to Fire Protection (3 Credits)
- FIP 124 Fire Protection and Public Education (3 Credits)
- FIP 132 Building Construction (3 Credits)
- FIP 136 Inspections and Codes (3 Credits)
- FIP 176 Hazardous Material Operation (3 Credits) -or- FIP 220 Fire Fighting Strategies (3 Credits)
- FIP 240 Fire Service Supervision (3 Credits)
- HEA 110 Personal Health and Wellness (3 Credits) -or- HEA 112 First Aid and Life Saving (2 Credits)
- ACA 122 College Transfer Success (1 Credit)

Bachelor's Degree:

North Carolina Wesleyan College

Bachelor of Science in Organizational Leadership

(Will accept 75 credits from Nash Community College's associate's degree program)

https://ncwc.edu/academics/majors-minors/organizational-leadership/

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EMERGENCY MANAGEMENT – FIRE CONCENTRATION CERTIFICATE

The Fire Protection Technology curriculum is designed to provide students with knowledge and skills in the technical, managerial, and leadership areas necessary for advancement within the fire protection community and related firefighting industries, and to provide currently employed firefighters with knowledge and skills often required for promotional consideration. Course work includes diverse fire protection subject areas, including fire prevention and safety, public education, building construction, fire ground strategies and tactics, and local government finance and laws, as they apply to emergency services management. Emphasis includes understanding fire characteristics and the structural consequences of fire; risk assessment and management; and relevant research, communications, and leadership methodologies.

Career Opportunities: Employment opportunities exist with fire departments, governmental agencies, industrial firms, insurance rating organizations, and educational organizations.

High School Career Clusters

High School Career Cluster: Firefighter Technology (FIFI)

- Prerequisite: IP31 Firefighter Technology I
- Concentrator: IP32 Firefighter Technology II

Nash Community College CCP Pathway

Emergency Management Certificate
Fire Management Concentration
C55460BH
Total Hours: 12

- EPT 140 Emergency Management (3 Credits)
  EPT 120 Sociology of Disaster (3 Credits)
- FIP 120 Introduction to Fire Protection (3 Credits)
- FIP 124 Fire Protection and Public Education (3 Credits)

Nash Community College Additional Certificates

Emergency Management Certificate EM Essentials
C55460AH
Total Hours: 12

- EPT 140 Emergency Management (3 Credits)
- EPT 120 Sociology of Disaster (3 Credits)
- EPT 130 Mitigation and Preparedness (3 Credits)
- EPT 210 Response and Recovery (3 Credits)

Emergency Management Certificate
Business Concentration
Total Hours: 12

- **EPT 140 Emergency Management (3 Credits)**
- **BUS 110 Introduction to Business (3 Credits)**
- **CIS 110 Introduction to Computers (3 Credits)**
- **FIP 240 Fire Service Supervision (3 Credits)**

Emergency Management Certificate
EM and Fire Basics
C-55460B
Total Hours: 12

- EPT 140 Emergency Management (3 Credits)
- FIP 120 Introduction to Fire Protection (3 Credits)
- FIP 124 Fire Protection and Public Education (3 Credits)
- EPT 120 Sociology of Disaster (3 Credits)

Nash Community College Associate's Degree

Fire Protection Technology
A55240

Total Hours: 70-71

- COM 110 Introduction to Communication (3 Credits)
- ENG 111 Writing and Inquiry (3 Credits)
- ENG 114 Professional Research and Reporting (3 Credits)
- HUM 115 Critical Thinking (3 Credits)
- MAT 143 Quantitative Literacy (3 Credits)
- Social Behavioral Science Core Elective (3 Credits)
- FIP 120 Introduction to Fire Protection (3 Credits)
- FIP 124 Fire Protection and Public Education (3 Credits)
- FIP 132 Building Construction (3 Credits)
- FIP 152 Fire Protection Law (3 Credits)
- FIP 220 Fire Fighting Strategies (3 Credits)
- FIP 228 Local Government Finance (3 Credits)
- BUS 110 Introduction to Business (3 Credits)
- CIS 110 Introduction to Computers (3 Credits)
- EPT 140 Emergency Management (3 Credits)
- EPT 150 Incident Management (3 Credits)
- FIP 128 Detection and Investigation (3 Credits)
- FIP 176 Hazardous Material Operation (3 Credits)
- FIP 240 Fire Service Supervision (3 Credits)
- FIP 248 Fire Services Personnel Admin (3 Credits)
- FIP 260 Fire Protection Planning (3 Credits)
- FIP 276 Managing Fire Services (3 Credits)
- ACA 122 College Transfer Success (1 Credit)
- HEA 110 Personal Health and Wellness (3 Credits) -or- HEA 112 First Aid and Life Saving (2 Credits)

Bachelor's Degree:

North Carolina Wesleyan College

Bachelor of Science in Organizational Leadership

(Will accept 75 credits from Nash Community College's associate's degree program)

https://ncwc.edu/academics/majors-minors/organizational-leadership/

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HOSPITALITY - LODGING MANAGEMENT CERTIFICATE

This curriculum prepares individuals to understand and apply the administrative and practical skills needed for supervisory and managerial positions in hotels, motels, resorts, inns, restaurants, institutions, and clubs. Course work includes guest services, leadership, management, restaurant operations, lodging operations, marketing, sanitation, food preparation, food and beverage management and other critical areas.

Career Opportunities: Graduates should qualify for management or entry-level supervisory positions in food and lodging operations, including restaurants, foodservice, beverage service, catering, front office, reservations and housekeeping. Opportunities are also available in product services, and technology support and sales.

High School Career Clusters

High School Career Cluster One: Sports and Entertainment Marketing (SEMK)

- Prerequisite: MH31 Sports and Entertainment Marketing I
- Concentrator: MH32 Sports and Entertainment Marketing II

High School Career Cluster Two: Travel and Tourism (TRTO)

- Prerequisite: BF20 Principles of Business and Finance -or- MH31 Sports and Marketing I
- Concentrator: MH42 Hospitality and Tourism

High School Career Cluster Three: Culinary Arts Applications (CULA)

- Prerequisite: FH11 Culinary Arts and Hospitality II Applications
- Concentrator: FH13 Culinary Arts and Hospitality III

High School Career Cluster Four: Culinary Arts Internship (CULI)

- Prerequisite: FH12 Culinary Arts and Hospitality II Internship
- Concentrator: FH13 Culinary Arts and Hospitality III

Nash Community College CCP Pathway

Lodging Management Certificate
C25110AH
Total Hours: 15

Recommended Sequence of Courses:

Fall Term:
- HRM 110 Introduction to Hospitality and Tourism (3 Credits)
- HRM 120 Front Office Procedures (3 Credits)

Spring Term:
- HRM 140 Legal Issues – Hospitality (3 Credits)
- HRM 240 Marketing for Hospitality (3 Credits)

Fall Term:
- HRM 245 Human Resource Management - Hospitality

Nash Community College Additional Certificates and Diploma

Restaurant Management Certificate: C25110B (Total Hours: 14)
- CUL 110 Sanitation and Safety (2 Credits)
- CUL 135 Food and Beverage Service (2 Credits)
- CUL 135A Food and Beverage Service Lab (1 Credit)
- HRM 225 Beverage Management (3 Credits)
- HRM 245 Human Resource Management – Hospitality (3 Credits)
- HRM 240 Marketing for Hospitality (3 Credits)

Catering Management Certificate: C25110C (Total Hours: 15)
- CUL 110 Sanitation and Safety (2 Credits)
- CUL 130 Menu Design (2 Credits)
- CUL 135 Food and Beverage Service (2 Credits)
- CUL 135A Food and Beverage Service Lab (1 Credit)
- CUL 140 Culinary Skills (5 Credits) -or- CUL 142 Fundamentals of Food (5 Credits)
- HRM 245 Human Resource Management – Hospitality (3 Credits)

Bed and Breakfast Management Certificate: C25110D (Total Hours: 13)
- CUL 110 Sanitation and Safety (2 Credits)
- CUL 140 Culinary Skills (5 Credits) -or- CUL 142 Fundamentals of Food (5 Credits)
- HRM 120 Front Office Procedures (3 Credits)
- HRM 130 Bed and Breakfast Management (3 Credits)

Event Planning Certificate: C25110E (Total Hours: 15)
- HRM 140 Legal Issues – Hospitality (3 Credits)
- HRM 210 Meeting and Event Planning (3 Credits)
- HRM 225 Beverage Management (3 Credits)
- HRM 240 Marketing for Hospitality (3 Credits)
- HRM 245 Human Resource Management – Hospitality (3 Credits)

Hospitality Management Diploma: D25110 (Total Hours: 41)
- COM 110 Introduction to Communication (3 Credits)
- ENG 111 Writing and Inquiry (3 Credits)
- CUL 110 Sanitation and Safety (2 Credits)
- HRM 110 Introduction to Hospitality and Tourism (3 Credits)
- HRM 140 Legal Issues – Hospitality (3 Credits)
- HRM 220 Cost Control – Food and Beverage (3 Credits)
- HRM 240 Marketing for Hospitality (3 Credits)
- HRM 245 Human Resource Management – Hospitality (3 Credits)
- HRM 280 Management Problems – Hospitality (3 Credits)
- CUL 135 and CUL 135A Food and Beverage Service and Lab (3 Credits)
- HRM 120 Front Office Procedures (3 Credits)
- HRM 130 Bed and Breakfast Management (3 Credits)
- HRM 210 Meeting and Event Planning (3 Credits)
- HRM 225 Beverage Management (3 Credits)

Nash Community College Associate's Degree

Hospitality Management: A25110
Total Hours: 67

- COM 110 Introduction to Communication (3 Credits)
- ENG 111 Writing and Inquiry (3 Credits)
- Humanities/Fine Arts Elective (3 Credits)
- MAT 143 Quantitative Literacy (3 Credits)
- PSY 150 General Psychology (3 Credits)
- ACC 120 Principles of Financial Accounting (4 Credits)
- CUL 110 Sanitation and Safety (2 Credits)
- HRM 110 Introduction to Hospitality and Tourism (3 Credits)
- HRM 140 Legal Issues – Hospitality (3 Credits)
- HRM 220 Cost Control – Food and Beverage (3 Credits)
- HRM 240 Marketing for Hospitality (3 Credits)
- HRM 245 Human Resource Management – Hospitality (3 Credits)
- HRM 280 Management Problems – Hospitality (3 Credits)
- WBL 111 Work-Based Learning I (1 Credit)
- WBL 121 Work-Based Learning II (1 Credit)
- CIS 110 Introduction to Computers (3 Credits)
- CUL 130 Menu Design (2 Credits)
- CUL 135 and CUL 135A Food and Beverage Service and Lab (3 Credits)
- CUL 140 Culinary Skills (5 Credits) -or- CUL 142 Fundamentals of Food (5 Credits)
- HRM 120 Front Office Procedures (3 Credits)
- HRM 225 Beverage Management (3 Credits)
- Special Topics Elective (Select Two Courses – 6 Total Credits): CUL 112, CUL 120/CUL 120A, CUL 160, HRM 130, HRM 210
- ACA 122 College Transfer Success (1 Credit

Nash Community College

NC CAREER & COLLEGE PROMISE

CONTACT
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INDUSTRIAL ROBOTICS CERTIFICATE

This curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities. Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require.

Career Opportunities: Graduates should qualify for a variety of jobs in the electrical field as an on-the-job trainee or apprentice assisting in the layout, installation, and maintenance of electrical systems.

High School Career Cluster

Electrical Trades (ELTR)

Prerequisite:

- IC 41 Electrical Trades I

Concentrator:

- IC 42 Electrical Trades II

Nash Community College CCP Pathway

Industrial Robotics Certificate C35130DH

Total Hours: 14

Recommended Sequence of Courses:

Fall Term:

- ELN 260 Prog Logic Controllers (4 Credits)
- ATR 280 Robotic Fundamentals (4 Credits)

Spring Term:

- ATR 281 Automation Robotics (4 Credits)
- ISC 112 Industrial Safety (2 Credits)

Nash Community College Additional Certificates and Diploma

Electrical Wiring Certificate: C35130AH
Total Hours: 15

- ELC 131 Circuit Analysis I (4 Credits)
- ELC 131A Circuit Analysis I Lab (1 Credit)
- ELC 113 Basic Wiring I (4 Credits)
  ELC 115 Industrial Wiring (4 Credits)
- EGR 125 Appl Software for Technology (2 Credits)

PLC Controls Certificate: C35130C
Total Hours: 12

- ELN 260 Prog Logic Controllers (4 Credits)
- ELC 228 PLC Applications (4 Credits)
- PCI 264 Process Control with PLCs (4 Credits)

Instrumentation Certificate: C35130E
Total Hours: 17

- ELC 131 Circuit Analysis I (4 Credits)
- ELC 13A Circuit Analysis I Lab (1 Credit)
  ELC 213 Instrumentation (4 Credits)
  ELN 229 Industrial Electronics (4 Credits)
- ELN 260 Prog Logic Controllers (4 Credits)

Electrical Systems Technology Diploma: D35130
Total Hours: 39-40

- EGR 131 Intro to Electronics Tech (2 Credits)
- ELC 131 and ELC 131A Circuit Analysis and Lab (5 Credits)
- ELC 114 Basic Wiring I (1 Credit)
  ELC 113 Basic Wiring I (4 Credits)
  ENG 110 Freshman Composition (3 Credits) -or- ENG 111 Writing and Inquiry (3 Credits)
- MAT 121 Algebra/Trigonometry I (3 Credits) -or- MAT 171 Precalculus Algebra (4 Credits)
- ELC 115 Industrial Wiring (4 Credits)
- ELC 117 Motors and Controls (4 Credits)
- ELC 213 Instrumentation (4 Credits)
- ISC 112 Industrial Safety (2 Credits)
- ELN 260 Prog Logic Controllers (4 Credits)

Nash Community College Associate's Degree

Electrical Systems Technology A35130

Total Hours: 72

- ACA 122 College Transfer Success (1 Credit)
- EGR 125 Appl Software for Tech (2 Credits)
- ELC 131 Circuit Analysis I (4 Credits)
- ELC 131 A Circuit Analysis I Lab (1 Credit)
- ELC 113 Residential Wiring (4 Credits)
- ENG 110 Freshman Composition (3 Credits) -or- ENG 111 Writing and Inquiry (3 Credits)
- MAT 121 Algebra/Trigonometry I (3 Credits) -or- MAT 171 Precalculus Algebra (4 Credits)
- ELC 115 Industrial Wiring (4 Credits)
- ELC 117 Motors and Controls (4 Credits)
- ELC 213 Instrumentation (4 Credits)
- ELN 131 Analog Electronics I (4 Credits)
- ELN 260 Prog Log Controllers (4 Credits)
- Social/Behavioral Science Core Elective (3 Credits)
- ATR 280 Robotic Fundamentals (4 Credits)
- COM 110 Introduction to Communication (3 Credits) -or- COM 231 Public Speaking (3 Credits)
- ELC 228 PLC Applications (4 Credits)
- Humanities/Fine Arts Elective (3 Credits)
- HYD 110 Hydraulics/Pneumatics I (3 Credits)
- ATR 281 Automated Manufacturing (4 Credits)
- ELN 235 Data Communication Systems (4 Credits)
- ISC 112 Industrial Safety (2 Credits)
- PCI 264 Process Control with PLCs (4 Credits)

Bachelor's Degree:

East Carolina University

Bachelor of Science in Industrial Technologies Transfer Program

https://cet.ecu.edu/techsystems/undergraduate-programs/industrial-technology-transfer/

Nash Community College

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MACHINE OPERATOR CERTIFICATE

The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product. Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Career Opportunities: Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

High School Career Cluster

Advanced Manufacturing (ADMA)

- Prerequisite: IM11 Advanced Manufacturing I
- Concentrator: IM12 Advanced Manufacturing II -or- IM14 Manufacturing Robotics

Nash Community College CCP Pathway

Machine Operator Certificate C50210AH

Total Hours: 13

Recommended Sequence of Courses:

Courses are only offered during the Fall term.

- BRP 111 Print Reading (2 Credits)
- MAC 141 Machining Applications I (4 Credits)
- MAC 141A Machining Appl I Lab (2 Credits)
- MAC 171 Measure/Material & Safety (1 Credit)
- MAC 121 Intro to CNC (2 Credits)
- MAC 151 Machining Calculations (2 Credits)

Nash Community College Additional Diplomas/Certificates

Machining Maintenance Certificate C50240CH

Total Hours: 13

- MAC 141 Machining Applications I (4 Credits)
- MAC 141A Machining Applications I Lab (2 Credits)
- ELC 131 DC/AC Electricity (4 Credits)
- ELC 131A Circuit Analysis I Lab (1 Credit)
- EGR 125 Appl Software for Technology (2 Credits)

Computer Numerical Controlled Certificate C50210B
Total Hours: 13

- DFT 119 Basic CAD (2 Credits)
- MAC 121 Intro to CNC (2 Credits)
- MEC 231 Computer-Aided Manuf. I (3 Credits)
- MAC 124 CNC Milling (2 Credits)
- MAC 226 CNC EDM Machining (2 Credits)
- MAC 122 CNC Turning (2 Credits)

Advanced CNC Certificate C50210C
Total Hours: 12

- MAC 222 Advanced CNC Turning (2 Credits)
- MEC 232 Computer-Aided Manuf. II (3 Credits)
- MAC 224 Advanced CNC Milling (2 Credits)
- ISC 112 Industrial Safety (2 Credits)
- MAC 234 Adv. Four/Five-Axis Mach. (3 Credits)

Robotic Machining Certificate C50210D
Total Hours: 14

- DFT 119 Basic CAD (2 Credits)
- MAC 122 CNC Turning (2 Credits)
- ATR 280 Robotics Fundamentals (4 Credits)
- ATR 281 Automation Robotics (4 Credits)
- MAC 124 CNC Milling (2 Credits)

Computer-Integrated Machining Diploma D50210
Total Hours: 39

- BRP 111 Print Reading (2 Credits)
- ENG 110 Freshman Composition -or- ENG 111 Writing and Inquiry (3 Credits)
- MAC 141 Machining Applications I (4 Credits)
- MAC 141A Machining Applications I Lab (2 Credits)
- MAC 171 Measure/Material & Safety (1 Credit)
- MAC 121 Intro to CNC (2 Credits)
- MAC 151 Machining Calculations (2 Credits)
- ISC 112 Industrial Safety (2 Credits)
- MAC 142 Machining Applications II (4 Credits)
- MAC 142A Machining Applications II Lab (2 Credits)
- MAC 122 CNC Turning (2 Credits)
- MAC 124 CNC Milling (2 Credits)
- MAC 152 Machining Calculations (2 Credits)
- MAT 110 Mathematical Measurement -or- MAT 121 Algebra/Trigonometry (3 Credits)
- DFT 119 Basic CAD (2 Credits)
- MAC 143 Machining Applications III (4 Credits)

Nash Community College Associate's Degree

Computer-Integrated Machining A50210
Total Hours: 73-74

- ACA 122 College Transfer Success (1 Credit)
- BRP 111 Print Reading (2 Credits)
- ENG 110 Freshman Composition -or- ENG 111 Writing and Inquiry (3 Credits)
- MAC 141 Machining Applications I (4 Credits)
- MAC 141A Machining Appl I Lab (2 Credits)
- MAC 171 Measure/Material & Safety (1 Credit)
- MAC 121 Intro to CNC (2 Credits)
- MAC 151 Machining Calculations (2 Credits)
- COM 110 Intro to Communication -or- COM 231 Public Speaking (3 Credits)
- HUM/FA Humanities/Fine Arts Elective (3 Credits)
- ISC 112 Industrial Safety (2 Credits)
- MAC 142 Machining Applications II (4 Credits)
- MAC 142A Machining Appl II Lab (2 Credits)
- MAC 124 CNC Milling (2 Credits)
- MAC 152 Machining Calculations (2 Credits)
- DFT 119 Basic CAD (2 Credits)
- MAC 143 Machining Applications III (4 Credits)
- MAC 241AB Jigs & Fixtures AB (2 Credits)
- MAC 122 CNC Turning (2 Credits)
- MAC 224 Advanced CNC Milling (2 Credits)
- MAC 241BB Jigs & Fixtures I BB (2 Credits)
- MAT 121 Algebra/Trigonometry I (3 Credits) -or- MAT 171 Precalculus Algebra (4 Credits)
- MEC 231 Computer-Aided Manuf. I (3 Credits)
- Elective (Choose 4 hours from list.)
- MAC 226 CNC EDM Machining (2 Credits)
- MEC 232 Computer-Aided Manuf. II (3 Credits)
- SOC/BEH Social/Behavioral Science Elective (3 Credits)
- Elective (Choose 6 hours from list.)
- ATR 280 Robotic Fundamentals (4 Credits)
- ATR 281 Automation Robotics (4 Credits)
- WBL 112 Work-Based Learning I (2 Credits)
- MAC 222 Advanced CNC Turning (2 Credits)
- MAC 234 Adv. Multi-Axis Mach. (3 Credits)
- MAC 247 Production Tooling (2 Credits
- MAC 248 Production Procedures (2 Credits)
- WLD 112 Basic Welding Processes (2 Credits)
- WLD 151 Fabrication I (4 Credits)
- WLD 251 Fabrication II (3 Credits)

Bachelor's Degree:

East Carolina University

Bachelor of Science in Industrial Technologies Transfer Program

https://cet.ecu.edu/techsystems/undergraduate-programs/industrial-technology-transfer/

Nash Community College

NC CAREER & COLLEGE PROMISE

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MEDICAL OFFICE ADMINISTRATION CERTIFICATE

The Medical Office Administration curriculum prepares individuals for employment in medical and other health-care related offices. Course work will include medical terminology; information systems; office management; medical coding, billing and insurance; legal and ethical issues; and formatting and word processing. Students will learn administrative and support functions and develop skills applicable in medical environments.

Career Opportunities: Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

High School Career Clusters

High School Career Cluster: Healthcare Professional (HPCP)

- Prerequisite: HU40 Health Science I
- Concentrator: HU42 Health Science II

Nash Community College CCP Pathway

Medical Office Administration Certificate C25310CH
Total Hours: 12

Recommended Sequence of Courses:

Fall Term:
- OST 141 Medical Terms I (3 Hours)
- OST 149 Medical Legal Issues (3 Credits)

Spring Term:
- OST 142 Medical Terms II (3 Credits)
- OST 148 Medical Insurance and Billing (3 Credits)

Nash Community College Additional Certificates and Diploma

Medical Office Administration Certificate: C25310AA (Total Hours: 18)
- CIS 110 Introduction to Computers (3 Credits)
- OST 122 Office Computations (3 Credits)
- OST 141 Medical Office Terms I (3 Credits)
- OST 142 Medical Office Terms II (3 Credits)
- OST 148 Medical Insurance and Billing (3 Credits)
- OST 280 Electronic Health Records (3 Credits)

Medical Document Specialist Certificate: C25310AB (Total Hours: 17)
- OST 132 Keyboard Skill Building (2 Credits)
- OST 134 Text Entry and Formatting (3 Credits)
- OST 141 Medical Office Terms I (3 Credits)
- OST 142 Medical Office Terms II (3 Credits)
- OST 164 Office Editing (3 Credits)
- OST 244 Medical Document Processing (3 Credits)

Medical Billing and Coding Certificate: C25310BA (Total Hours: 18)
- OST 141 Medical Office Terms I (3 Credits)
- OST 142 Medical Office Terms II (3 Credits)
- OST 148 Medical Insurance and Billing (3 Credits)
- OST 149 Medical Legal Issues (3 Credits)
- OST 247 Diagnostic Coding (3 Credits)
- OST 248 Procedure Coding (3 Credits)

Event Planning Certificate: C25110E (Total Hours: 15)

Nash Community College Associate's Degree

There are three Medical Office Administration Associate's Degrees available at Nash Community College.

- Medical Auditor
  A25310C
  Total Hours: 75-76
- Medical Billing and Coding Degree
  A25310B
  Total Hours: 75-76
- Patient Services Specialist
  A25310A
  Total Hours: 70-71

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NETWORK ADMINISTRATION CERTIFICATE

The Network Administration certificate is part of the Information Technology: Network Management degree program. Course work focuses on design, installation, configuration, and management of network infrastructure technologies and network operating systems. Course work geared towards preparing students for the CISCO Certified Network Associate certification.

Career Opportunities: Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information.

High School Career Clusters

High School Career Cluster: Computer Science Principles (CSPR)

- Prerequisite: BP41 Computer Science Principles I
- Concentrator: BP42 Computer Science Principles II

Nash Community College CCP Pathway

Network Administration Certificate C25590BH
Total Hours: 12

Recommended Sequence of Courses:

Fall Term:
- NET 125 Introduction to Networks (3 Credits)

Spring Term:
- NET 126 Routing Basics (3 Credits)

Fall Term:
- NET 225 Routing and Switching I (3 Credits)
- CTI 120 Network and Security Foundation (3 Credits)

Nash Community College Additional Certificate

Network Technician Certificate C25590BA
Total Hours: 18

- CTI 120 Network and Security Foundation (3 Credits)
- NET 125 Introduction to Networks (3 Credits)
- NOS 130 Windows Single User (3 Credits)
- NET 126 Routing Basics (3 Credits)
- NOS 230 Windows Admin I (3 Credits)
- CTI 175 Introduction to Wireless Technology (3 Credits)

Nash Community College Associate's Degree

Network Management A25590B
Total Hours: 71-72

- COM Elective (3 Credits)
- ENG 111 Writing and Inquiry (3 Credits)
- Humanities/Fine Arts Elective (3 Credits)
- MAT 143 Quantitative Literacy (3 Credits) -or- MAT 171 Precalculus Algebra (4 Credits)
- Social/Behavioral Science Elective (3 Credits)
- CTI 110 Web, Program, and DB Foundation (3 Credits)
- CTI 120 Network and Security Foundation (3 Credits)
- CTS 115 Info Sys Business Concepts (3 Credits)
- CTS 120 Hardware/Software Support (3 Credits)
- NET 125 Introduction to Networks (3 Credits)
- NET 126 Routing Basics (3 Credits)
- CTI 141 Cloud and Storage Concepts (3 Credits)
- CTI 175 Introduction to Wireless Technology (3 Credits)
- CTI 240 Virtualization Admin I (3 Credits)
- CTS 220 Adv Hard/Software Support (3 Credits)
- CTS 287 Emerging Technologies (3 Credits)
- CTS 289 System Support Project (3 Credits)
- DBA 110 Database Concepts (3 Credits)
- NET 225 Routing and Switching I (3 Credits)
- NOS 120 Linus/UNIX Single User (3 Credits)
- NOS 130 Windows Single User (3 Credits)
- NOS 230 Windows Admin I (3 Credits)

  SEC 160 Security Administration (3 Credits)

  WBL 111 Work-Based Learning I (1 Credit)
- ACA 122 College Transfer Success (1 Credit)

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PC BUILD AND REPAIR CERTIFICATE

This pathway prepares students to use basic engineering principles and technical skills for installing, servicing, and maintaining computers, peripherals, networks, and microprocessor and computer- controlled equipment. Includes instruction in mathematics, computer electronics and programming, prototype development and testing, systems installation and testing, solid state and microminiature circuitry, peripheral equipment, and report preparation. Graduates may also qualify for certification in electronics, computers, or networks.

Career Opportunities: Graduates should qualify for employment opportunities in electronics technology, computer service, computer networks, server maintenance, programming, and other areas requiring knowledge of electronic and computer systems.

High School Career Cluster

High School Career Cluster One: Computer Engineering (COEN)

- Prerequisite: 1121 Computer Engineering Technology I
- Concentrator: 1122 Computer Engineering Technology II

High School Career Cluster Two: Computer Science Principles (CSPR)

- Prerequisite: BP41 Computer Science Principles I
- Concentrator: BP42 Computer Science Principles II

Nash Community College CCP Pathway

PC Build & Repair Certificate C40160CH

Total Hours: 13

Recommended Sequence of Courses:

Fall Term:

- EGR 125 Appl Software for Tech (2 Credits)
- ELC 131 Circuit Analysis I (4 Credits)
- ELC 131A Circuit Analysis I Lab (1 Credit)

Spring Term:

- CET 111 Computer Upgrade and Repair I (3 Credits)

Fall Term:

- CET 211 Computer Upgrade and Repair II (3 Credits)

Nash Community College Additional Diplomas/Certificates

Computer Engineering Technology Certificate C40160A
Total Hours: 18

- EGR 125 Appl Software for Tech (2 Credits)
- ELN 235 Data Communication (4 Credits)
- CET 111 Computer Upgrade and Repair I (3 Credits)
- CET 211 Computer Upgrade and Repair II (3 Credits)
- ELN 237 Local Area Networks (3 Credits)
- ELN 238 Advanced LANs (3 Credits)

Computer Engineering Technology Diploma
Total Hours: 41
D40160

- EGR 125 Appl Software for Tech (2 Credits)
- ELN 133 Digital Electronics (4 Credits)
- ELC 131 Circuit Analysis I (4 Credits)
- ELC 131A Circuit Analysis I Lab (1 Credit)
- ENG 111 Writing and Inquiry (3 Credits)
- MAT 121 Algebra/Trigonometry I (3 Credits)
- CET 111 Computer Upgrade and Repair I (3 Credits)
- CSC 151 JAVA Programming (3 Credits)
- ELN 131 Analog Electronics (4 Credits)
- ELN 232 Intro to Microprocessors (4 Credits)
- ELN 235 Data Communication (4 Credits)
- CET 211 Computer Upgrade and Repair II (3 Credits)
- ELN 237 Local Area Networks (3 Credtis)

Nash Community College Associate's Degree

Computer Engineering Technology A40160

Total Hours: 76

- COM 110 Intro to Communication -or- COM 231 Public Speaking (3 Credits)
- ENG 111 Writing and Inquiry (3 Credits)
- MAT 121 Algebra/Trigonometry I (3 Credits)
- HUM/FA Humanities/Fine Arts Elective (3 Credits)
- ELC 131 Circuit Analysis I (4 Credits)
- ELN 131 Analog Electronics I (4 Credits)
- ELN 133 Digital Electronics (4 Credits)
- CET 111 Computer Upgrade and Repair I (3 Credits)
- CET 211 Computer Upgrade and Repair (3 Credits)
- CSC 151 JAVA Programming (3 Credits)
- ELN 235 Data Communication Sys. (4 Credits)
- CET 130 Operating System Prin. (3 Credits)
- CET 251 Software Eng. Principles (4 Credits)
- CET 293 Selected Topic Seminar (3 Credits)
- CSC 143 Object-Oriented Prog. (3 Credits)
- CSC 251 Adv. JAVA Programming (3 Credits)
- EGR 125 Appl Software for Tech (2 Credits) ELC 131 A Circuit Analysis I Lab (1 Credit)
- ELN 232 Intro to Microprocessors (4 Credits)
- ELN 237 Local Area Networks (3 Credits)
- ELN 238 Advanced LANs (3 Credits)
- MAT 122 Algebra/Trigonometry II (3 Credits)
- CET 245 Internet Servers (3 Credits)
- ACA 122 College Transfer Success (1 Credit)

Bachelor's Degree:

East Carolina University

Bachelor of Science in Industrial Technologies Transfer Program

https://cet.ecu.edu/techsystems/undergraduate-programs/industrial-technology-transfer/

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WELDING CERTIFICATE

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry. Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry-standard skills developed through classroom training and practical application.

Career Opportunities: Graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Nash Community College CCP Pathway

Welding Technology Certificate
C50420FH
Total Hours: 15

Recommended Sequence of Courses:

Academic Year One:
- WLD 115 AB and BB SMAW (Stick) Plate (5 Credits)
- ISC 112 Industrial Safety (2 Credits)

Academic Year Two:
- WLD 121 AB and BB GMAW (MIG)FCAW/Plate (4 Credits)

Academic Year Three:
- WLD 131 GTAW (TIG) Plate (4 Credits)

Nash Community College Additional Certificates and Diploma

Welding Technology Certificate – GMAW (MIG) C50420A Total Hours: 14
- WLD 110 Cutting Processes (2 Credits)
- WLD 121 GMAW (MIG) FCAW/Plate (4 Credits)
- WLD 141 Symbols and Specifications (3 Credits)
- BPR 111 Print Reading (2 Credits
- WLD 122 GMAW (MIG) Plate/Pipe (3 Credits)

Welding Technology Certificate – SMAW (Stick) C50420B Total Hours: 16
- WLD 110 Cutting Processes (2 Credits)
- WLD 115 SMAW (Stick) Plate (5 Credits)
- WLD 141 Symbols and Specifications (3 Credits)
- BPR 111 Print Reading (2 Credits)
- WLD 116 SMAW (Stick) Plate/Pipe (4 Credits)

Welding Technology Certificate – GMAW (TIG) C50420C Total Hours: 18
- WLD 110 Cutting Processes (2 Credits)
- WLD 131 GTAW (TIG) Plate (4 Credits)
- WLD 141 Symbols and Specifications (3 Credits)
- BPR 111 Print Reading (2 Credits)
- CIS 110 Introduction to Computers (3 Credits)
- WLD 132 GTAW (TIG) Plate/Pipe (3 Credits)

Welding Technology Certificate – Fabrication C50420D Total Hours: 14
- BRP 111 Print Reading (2 Credits)
- CIS 110 Introduction to Computers (3 Credits)
- DFT 151 CAD I (3 Credits)
- MAC 121 Introduction to CNC (2 Credits)
- WLD 151 Fabrication I (4 Credits)
- WLD 251 Fabrication II (3 Credits)

Welding Technology Certificate – General Welding C50420E Total Hours: 18
- WLD 110 Cutting Processes (2 Credits)
- WLD 115 SMAW (Stick) Plate (5 Credits)
- WLD 121 GMAW (MID) FCAW/Plate (4 Credits)
- WLD 131 GTAW (TIG) Plate (4 Credits)
- WLD 141 Symbols and Specifications (3 Credits)

Industrial Systems Technology Diploma D50240 Total Hours: 47
- ENG 110 Freshman Composition (3 Credits) -or- ENG 111 Writing and Inquiry (3 Credits)
- MAT 110 Mathematical Measurement (3 Credits) -or- MAT 121 Algebra/Trigonometry I (3 Credits)
- WLD 110 Cutting Process (2 Credits)
- WLD 115 SMAW (Stick) Plate (5 Credits)
- WLD 121 GMAW (MIG) FCAW/Plate (4 Credits)
- WLD 131 GTAW (TIG) Plate (4 Credits)
- WLD 141 Symbols and Specifications (3 Credits)
- CIS 110 Introduction to Computer (3 Credits)
- DFT 151 CAC 1 (3 Credits)
- MAC 121 Introduction to CNC (2 Credits)
- WLD 122 GMAW (MIG) Plate/Pipe (3 Credits)
- WLD 132 GTAW (TIG) Plate/Pipe (3 Credits)
- WLD 151 Fabrication I (4 Credits)
- WLD 251 Fabrication II (3 Credits)
- WLD 261 Certification Practices (2 Credits)
- WLD 262 Inspection and Testing (3 Credits)

Nash Community College Associate's Degree

Welding Technology
A50420
Total Hours: 72-73

- COM 110 Introduction to Communication (3 Credits) -or- COM 231 Public Speaking (3 Credits)
- ENG 110 Freshman Composition (3 Credits) -or- ENG 111 Writing and Inquiry (3 Credits)
- Humanities/Fine Arts Elective (3 Credits)
- MAT 121 Algebra/Trigonometry I (3 Credits) -or- MAT 171 Precalculus Trigonometry (4 Credits)
- Social/Behavioral Science Core Elective (3 Credits)
- WLD 110 Cutting Process (2 Credits)
- WLD 115 SMAW (Stick) Plate (5 Credits)
- WLD 121 GMAW (MIG) FCAW/Plate (4 Credits)
- WLD 131 GTAW (TIG) Plate (4 Credits)
- WLD 141 Symbols and Specifications (3 Credits)
- BPR 111 Print Reading (2 Credits)
- CIS 110 Introduction to Computer (3 Credits)
- DFT 151 CAC 1 (3 Credits)
- ISC 112 Industrial Safety (2 Credits)
- MAC 121 Introduction to CNC (2 Credits)
- WLD 116 SMAW (Stick) Plate/Pipe (4 Credits)
- WLD 122 GMAW (MIG) Plate/Pipe (3 Credits)
- WLD 132 GTAW (TIG) Plate/Pipe (3 Credits)
- WLD 151 Fabrication I (4 Credits)
- WLD 251 Fabrication II (3 Credits)
- WLD 261 Certification Practices (2 Credits)
- WLD 262 Inspection and Testing (3 Credits)
- WLD 265 Automated Welding/Cutting (4 Credits)
- ACA 122 College Transfer Success (1

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MACHINING MAINTENANCE CERTIFICATE

The Machine Operator curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product. Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Career Opportunities: Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

High School Career Cluster

Advanced Manufacturing (ADMA)

- Prerequisite: IM11 Advanced Manufacturing I
- Concentrator: IM12 Advanced Manufacturing II -or- IM14 Manufacturing Robotics

Nash Community College CCP Pathway

Machining Maintenance Certificate C50240CH

Total Hours: 13

Fall Term:

- MAC 141 Machining Applications I (4 Credits)
- MAC 141A Machining Applications I Lab (2 Credits)

Spring Term:

- ELC 131 DC/AC Electricity (4 Credits)
- ELC 131A Circuit Analysis I Lab (1 Credit)

Summer Term:

- EGR 125 Appl Software for Technology (2 Credits)

Nash Community College Additional Diplomas/Certificates

Machine Operator Certificate C50210AH
Total Hours: 13
Courses are only offered during the Fall term.

- BRP 111 Print Reading (2 Credits)
- MAC 141 Machining Applications I (4 Credits)
- MAC 141A Machining Appl I Lab (2 Credits)
- MAC 171 Measure/Material & Safety (1 Credit)
- MAC 121 Intro to CNC (2 Credits)
- MAC 151 Machining Calculations (2 Credits)

Computer Numerical Controlled Certificate C50210B
Total Hours: 13

- DFT 119 Basic CAD (2 Credits)
- MAC 121 Intro to CNC (2 Credits)
- MEC 231 Computer-Aided Manuf. I (3 Credits)
- MAC 124 CNC Milling (2 Credits)
- MAC 226 CNC EDM Machining (2 Credits)
- MAC 122 CNC Turning (2 Credits)

Advanced CNC Certificate C50210C
Total Hours: 12

- MAC 222 Advanced CNC Turning (2 Credits)
- MEC 232 Computer-Aided Manuf. II (3 Credits)
- MAC 224 Advanced CNC Milling (2 Credits)
- ISC 112 Industrial Safety (2 Credits)
- MAC 234 Adv. Four/Five-Axis Mach. (3 Credits)

Robotic Machining Certificate C50210D
Total Hours: 14

- DFT 119 Basic CAD (2 Credits)
- MAC 122 CNC Turning (2 Credits)
- ATR 280 Robotics Fundamentals (4 Credits)
- ATR 281 Automation Robotics (4 Credits)
- MAC 124 CNC Milling (2 Credits)

Computer-Integrated Machining Diploma D50210
Total Hours: 39

- BRP 111 Print Reading (2 Credits)
- ENG 110 Freshman Composition -or- ENG 111 Writing and Inquiry (3 Credits)
- MAC 141 Machining Applications I (4 Credits)
- MAC 141A Machining Applications I Lab (2 Credits)
- MAC 171 Measure/Material & Safety (1 Credit)
- MAC 121 Intro to CNC (2 Credits)
- MAC 151 Machining Calculations (2 Credits)
- ISC 112 Industrial Safety (2 Credits)
- MAC 142 Machining Applications II (4 Credits)
- MAC 142A Machining Applications II Lab (2 Credits)
- MAC 122 CNC Turning (2 Credits)
- MAC 124 CNC Milling (2 Credits)
- MAC 152 Machining Calculations (2 Credits)
- MAT 110 Mathematical Measurement -or- MAT 121 Algebra/Trigonometry (3 Credits)
- DFT 119 Basic CAD (2 Credits)
- MAC 143 Machining Applications III (4 Credits)

Nash Community College Associate's Degree

Computer-Integrated Machining A50210
Total Hours: 73-74

- ACA 122 College Transfer Success (1 Credit)
- BRP 111 Print Reading (2 Credits)
- ENG 110 Freshman Composition -or- ENG 111 Writing and Inquiry (3 Credits)
- MAC 141 Machining Applications I (4 Credits)
- MAC 141A Machining Appl I Lab (2 Credits)
- MAC 171 Measure/Material & Safety (1 Credit)
- MAC 121 Intro to CNC (2 Credits)
- MAC 151 Machining Calculations (2 Credits)
- COM 110 Intro to Communication -or- COM 231 Public Speaking (3 Credits)
- HUM/FA Humanities/Fine Arts Elective (3 Credits)
- ISC 112 Industrial Safety (2 Credits)
- MAC 142 Machining Applications II (4 Credits)
- MAC 142A Machining Appl II Lab (2 Credits)
- MAC 124 CNC Milling (2 Credits)
- MAC 152 Machining Calculations (2 Credits)
- DFT 119 Basic CAD (2 Credits)
- MAC 143 Machining Applications III (4 Credits)
- MAC 241AB Jigs & Fixtures AB (2 Credits)
- MAC 122 CNC Turning (2 Credits)
- MAC 224 Advanced CNC Milling (2 Credits)
- MAC 241BB Jigs & Fixtures I BB (2 Credits)
- MAT 121 Algebra/Trigonometry I (3 Credits) -or- MAT 171 Precalculus Algebra (4 Credits)
- MEC 231 Computer-Aided Manuf. I (3 Credits)
- Elective (Choose 4 hours from list.)
- MAC 226 CNC EDM Machining (2 Credits)
- MEC 232 Computer-Aided Manuf. II (3 Credits)
- SOC/BEH Social/Behavioral Science Elective (3 Credits)
- Elective (Choose 6 hours from list.)
- ATR 280 Robotic Fundamentals (4 Credits)
- ATR 281 Automation Robotics (4 Credits)
- WBL 112 Work-Based Learning I (2 Credits)
- MAC 222 Advanced CNC Turning (2 Credits)
- MAC 234 Adv. Multi-Axis Mach. (3 Credits)
- MAC 247 Production Tooling (2 Credits
- MAC 248 Production Procedures (2 Credits)
- WLD 112 Basic Welding Processes (2 Credits)
- WLD 151 Fabrication I (4 Credits)
- WLD 251 Fabrication II (3 Credits)

Bachelor's Degree:

East Carolina University

Bachelor of Science in Industrial Technologies Transfer Program

https://cet.ecu.edu/techsystems/undergraduate-programs/industrial-technology-transfer/

Nash Community College

NC CAREER & COLLEGE PROMISE

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