

NC CAREER & COLLEGE PROMISE

2015-16

Educational opportunities
for eligible North Carolina high
school students.

- A College Transfer Pathway
(Associate in Arts or
Associate in Science)
- A Career and Technical
Education Pathway
- A Cooperative Innovative
High School Pathway



For more information, visit
www.waynec.edu/career-and-college-promise



This handbook is current as of July 1, 2015. Check the WCC online NC Career and College Promise Handbook at www.waynecc.edu/career-and-college-promise for the most up-to-date information.

WCC Mission Statement

Wayne Community College (WCC) is a learning-centered, public, associate degree granting institution with an open door admissions policy. WCC is located in Goldsboro, North Carolina and is part of the North Carolina Community College System.

Wayne Community College's mission is to meet the educational, training, and cultural needs of the communities it serves.

For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our Web site at, <http://www.waynecc.edu/gainful-employment/>

Wayne Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, 404-679-4500, www.sacscoc.org, for questions about the accreditation of Wayne Community College.

Wayne Community College is an Equal Opportunity/Affirmative Action College and accommodates the needs of individuals with disabilities. It is the intent of the College that all programs and activities be accessible to all qualified students. It is the student's responsibility to make his or her disability known as soon as the need becomes known in order to provide ample time for arrangements to be made. The student must request academic adjustments by contacting the Disability Services Counselor in the Wayne Learning Center building, 919-739-6729.



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A Message from the President

Congratulations on your interest in the NC Career and College Promise program. I commend your desire to start your journey towards a career by seeking higher education and job training. NC Career and College Promise offers North Carolina high school students a clear path to success in college or in a career. The NC Career and College Promise provides tuition-free course credits toward a College Transfer Pathway and/or course credit toward a job credential, certificate or diploma in a Career Technical Education Pathway.

Welcome to Wayne Community College!

Kay H. Albertson



NC Career and College Promise provides seamless dual enrollment educational opportunities for eligible North Carolina high school students in order to accelerate completion of college certificates, diplomas, and associate degrees that lead to college transfer or provide entry-level job skills.

College Transfer Pathway

1. The Career and College Promise College Transfer Pathway requires the completion of at least 30 semester hours of transfer courses, including English and mathematics, and ACA 122 - College Transfer Success.
2. To be eligible for enrollment, a high school student must meet the following criteria:
 - a. Be a high school junior or senior,
 - b. Have a weighted GPA of 3.0 on high school courses, and
 - c. Demonstrate college readiness on an assessment or placement test (see box below). A student must demonstrate college readiness in English, reading, and mathematics to be eligible for enrollment in a College Transfer Pathway.
3. To maintain eligibility for continued enrollment, a student must
 - a. Continue to make progress toward high school graduation, and
 - b. Maintain a 2.0 GPA in college coursework after completing two courses. A student who falls below 2.0 GPA after completing two college courses will be subject to the college’s policy for satisfactory academic progress.
4. A student must enroll in one College Transfer Pathway program of study and may not substitute courses in one program for courses in another.
5. A student may change his or her program of study major with approval of the high school Principal or his/her designee and the Vice President of Academic and Student Services or his/her designee.
6. With approval of the high school Principal or his/her designee and the Vice President of Academic and Student Services or his/her designee, a student who completes a College Transfer Pathway while still enrolled in high school may continue to earn college transfer credits leading to the completion of the Associate in Arts or Associate in Science degree.
7. With approval of the high school Principal or his/her designee and the Vice President of Academic and Student Services or his/her designee, a student may enroll in both a College Transfer Pathway program of study and a Career Technical Education program of study.
8. A high school junior or senior with a weighted 3.5 or higher GPA who does not demonstrate college readiness on an approved assessment or placement test may be provisionally enrolled in a College Transfer Pathway.

College Readiness Benchmarks on Approved Diagnostic Assessment Tests

Test	PLAN**	PSAT**	Asset (NCCCS Cut Score)	COMPASS (NCCCS Cut Score)	Accuplacer (NCCCS Cut Score)	NC DAP (NCCCS Cut Score)
English	15	45	41 Writing	70 Writing	86 Sentence Skills	Composite score of 151 or higher*** 7 on each assessment for DMA 010 thru 060
Reading	18	47	41 Reading	81 Reading	80 Reading	
Mathematics	19	47	41 Numerical Skills and 41 Int. Algebra	47 Pre-Algebra and 66 Algebra	55 Arithmetic and 75 Elem. Algebra	

SAT		ACT	
English	500	English	18
Critical Reading	500	Reading	22
Mathematics	500	Mathematics	22

***The Reading and English part of the NC DAP is an integrated assessment of reading and English skills; meeting the composite cut score score for placement into ENG 111 is one way to demonstrate college readiness in order to participate in the College Transfer Pathway.

Career Technical Education Pathway (Juniors and Seniors)

1. The Career and College Promise Career Technical Education (CTE) Pathway leads to a certificate or diploma aligned with a high school Career Cluster.
2. To be eligible for enrollment, a high school student must meet the following criteria:
 - a. Be a high school junior or senior,
 - b. Have a weighted GPA of 3.0 on high school courses or have the recommendation of the high school Principal or his/her designee, and
 - c. Meet the prerequisites for the career pathway. Prerequisites will be noted beside individual courses.
3. High school counselors should consider students' PLAN scores in making pathway recommendations.
4. College Career Technical Education courses may be used to provide partial or full fulfillment of a four-unit career cluster. Where possible, students should be granted articulated credit based on the local or state North Carolina High School to Community College articulation agreement.
5. To maintain eligibility for continued enrollment, a student must
 - a. Continue to make progress toward high school graduation, and
 - b. Maintain a 2.0 in college coursework after completing two courses. A student who falls below 2.0 GPA after completing two college courses will be subject to the college's policy for satisfactory academic progress.
6. A student must enroll in one program of study and may not substitute courses in one program for courses in another. The student may change his or her program of study major with approval of the high school Principal or his/her designee and the Vice President of Academic and Student Services or his/her designee. A student may concurrently enroll in two CTE programs of study provided the exception has been approved by the Vice President of Academic and Student Services or his/her designee.

Career Technical Education Pathway (Freshmen and Sophomores)

1. The Career and College Promise Career Technical Education (CTE) Pathway leads to an industrial or engineering certificate or diploma aligned with a high school Career Cluster.
2. The college may enroll high school freshmen and sophomores only in Industrial Technologies (Program Code 50xxx) and Engineering Technologies (Program Code 40xxx) certificate and diploma programs.
3. To be eligible for enrollment, a high school student must meet the following criteria:
 - a. Be a high school freshman or sophomore,
 - b. A qualified freshmen must:
 - i. Have passed Math I with a grade of "C" or better,
 - ii. Score a 3 or 4 on the EOC for Math I,
 - iii. Meet the college ready reading score of 16 on the 8th grade Explore test,
 - iv. Meet prerequisites for the career pathway. Prerequisites will be noted beside individual courses, and
 - v. Have the recommendation of the high school Principal or his/her designee.
 - c. A qualified sophomore must:
 - i. Have passed Math I with a grade of "C" or better,
 - ii. Scored a 3 or 4 on the EOC for Math I,
 - iii. Meet the college ready reading score of 16 on the 8th grade Explore test,
 - iv. Have a weighted GPA of 3.0 on high school courses,
 - v. Meet prerequisites for the career pathway. Prerequisites will be noted beside individual courses, and
 - vi. Have the recommendation of the high school Principal or his/her designee.

4. College Career Technical Education courses may be used to provide partial or full fulfillment of a four-unit career cluster. Where possible, students should be granted articulated credit based on the local or state North Carolina High School to Community College articulation agreement.
5. To maintain eligibility for continued enrollment, a student must
 - a. Continue to make progress toward high school graduation, and
 - b. Maintain a 2.0 in college coursework after completing two courses. A student who falls below a 2.0 GPA after completing two college courses will be subject to the college's policy for satisfactory academic progress.
6. A student must enroll in one program of study and may not substitute courses in one program for courses in another. The student may change his or her program of study major to another industrial or engineering program of study with approval of the high school Principal or his/her designee and the Vice President of Academic and Student Services or his/her designee. A student may concurrently enroll in two engineering or industrial CTE programs of study provided the exception has been approved by the Vice President of Academic and Student Services or his/her designee.

*A homeschool or non-public high school student follows the same criteria as a public school student to determine eligibility. Verification of college readiness for a homeschool or non-public high school student will be determined by College Readiness Benchmarks on Approved Diagnostic Assessment Tests (see box on page 2).

Cooperative Innovative High School Programs (WEMCHS and WSE)

1. Cooperative Innovative High School Programs are located on college campuses, enroll 100 or fewer students per grade level, and provide opportunities for students to complete an associate degree program or earn up to two years of college credit within five years are defined as Cooperative Innovative High School Programs.
2. Eligibility requirements for Cooperative Innovative High School Programs are established jointly by local boards of education and local boards of trustees in accordance with G.S. 115C-238.50.
3. The State Board of Education and the State Board of Community Colleges may waive the requirement that a Cooperative Innovative High School Program be located on a community college campus.

Two eligible schools are Wayne School of Engineering and Wayne Early Middle College High School.

For more information, visit

www.waynecc.edu/career-and-college-promise

COLLEGE TRANSFER PATHWAY

College Transfer Pathways allow students the opportunity to earn college credits that transfer seamlessly to any public or participating private college or university. The completion of a pathway reduces the cost of a two- or four-year degree and accelerates completion of a diploma, associate degree or four-year degree. Skills for success at the next level of education are also developed.

Students who meet the guidelines may enroll in one of the following programs of study at Wayne Community College.

Career and College Promise College Transfer Pathway Leading to the Associate in Arts (P1012C)

GENERAL EDUCATION (31-32 SHC)

The general education requirement includes study in courses selected from the Universal General Education Transfer Component (UGETC) component of the Comprehensive Articulation Agreement.

High school students in the CCP College Transfer Pathway Leading to the Associate in Arts must complete the entire pathway before taking additional courses in the Associate in Arts degree.

English Composition (6 SHC)

The following two English composition courses are required.

ENG 111	Writing and Inquiry	(3 SHC)
ENG 112	Writing/Research in the Disciplines	(3 SHC)

Select three courses from at least two different disciplines (9 SHC) from the following:

Communication

COM 231	Public Speaking	(3 SHC)
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Humanities/Fine Arts

ART 111	Art Appreciation	(3 SHC)
ART 114	Art History Survey I	(3 SHC)
ART 115	Art History Survey II	(3 SHC)
ENG 231	American Literature I	(3 SHC)
ENG 232	American Literature II	(3 SHC)
MUS 110	Music Appreciation	(3 SHC)
MUS 112	Introduction to Jazz	(3 SHC)
PHI 215	Philosophical Issues	(3 SHC)
PHI 240	Introduction to Ethics	(3 SHC)

Social/Behavioral Sciences (9 SHC)

Select three courses at least two different disciplines from the following:

ECO 251	Principles of Microeconomics	(3 SHC)
ECO 252	Principles of Macroeconomics	(3 SHC)

HIS 111	World Civilizations I	(3 SHC)
HIS 112	World Civilizations II	(3 SHC)
HIS 131	American History I	(3 SHC)
HIS 132	American History II	(3 SHC)
POL 120	American Government	(3 SHC)
PSY 150	General Psychology	(3 SHC)
SOC 210	Introduction to Sociology	(3 SHC)

Math (3-4 SHC)

Select one course from the following:

MAT 143	Quantitative Literacy	(3 SHC)
MAT 152	Statistical Methods I	(4 SHC)
MAT 171	Precalculus Algebra	(4 SHC)

Natural Sciences (4 SHC)

Select 4 SHC from the following courses:

AST 111	Descriptive Astronomy	(3 SHC) and
AST 111A	Descriptive Astronomy Lab	(1 SHC)
BIO 110	Principles of Biology	(4 SHC)
BIO 111	General Biology I	(4 SHC)
CHM 151	General Chemistry I	(4 SHC)

Academic Transition (1 SHC)

The following course is required:

ACA 122	College Transfer Success	(1 SHC)
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Total Semester Hours Credit (SHC) in Pathway

32-33

COLLEGE TRANSFER PATHWAY

Career & College Promise College Transfer Pathway Leading to the Associate in Science (P1042C)

GENERAL EDUCATION (34 SHC)

The general education requirement includes study in courses selected from the Universal General Education Transfer Component (UGETC).

High school students in the CCP College Transfer Pathway Leading to the Associate in Science must complete the entire pathway before taking additional courses in the Associate in Science degree.

English Composition (6 SHC):

The following two English composition courses are required.

ENG 111	Writing and Inquiry	(3 SHC)
ENG 112	Writing/Research in the Disciplines	(3 SHC)

Select two courses at least two different disciplines (6 SHC) from the following:

Communication

COM 231	Public Speaking	(3 SHC)
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Humanities/Fine Arts

ART 111	Art Appreciation	(3 SHC)
ART 114	Art History Survey I	(3 SHC)
ART 115	Art History Survey II	(3 SHC)
ENG 231	American Literature I	(3 SHC)
ENG 232	American Literature II	(3 SHC)
MUS 110	Music Appreciation	(3 SHC)
MUS 112	Introduction to Jazz	(3 SHC)
PHI 215	Philosophical Issues	(3 SHC)
PHI 240	Introduction to Ethics	(3 SHC)

Social/Behavioral Sciences (6 SHC)

Select two courses from at least two different disciplines from the following:

ECO 251	Principles of Microeconomics	(3 SHC)
ECO 252	Principles of Macroeconomics	(3 SHC)
HIS 111	World Civilizations I	(3 SHC)
HIS 112	World Civilizations II	(3 SHC)
HIS 131	American History I	(3 SHC)

HIS 132	American History II	(3 SHC)
POL 120	American Government	(3 SHC)
PSY 150	General Psychology	(3 SHC)
SOC 210	Introduction to Sociology	(3 SHC)

Math (8 SHC)

Select two courses from the following:

MAT 171	Precalculus Algebra	(4 SHC)
MAT 172	Pre-calculus Trigonometry	(4 SHC)
MAT 263	Brief Calculus	(4 SHC)
MAT 271	Calculus I	(4 SHC)
MAT 272	Calculus II	(4 SHC)

Natural Sciences (8 SHC)

Select 8 SHC from the following courses:

BIO 111	General Biology I	(4 SHC) and
BIO 112	General Biology II	(4 SHC)
CHM 151	General Chemistry I	(4 SHC) and
CHM 152	General Chemistry II	(4 SHC)
PHY 151	College Physics I	(4 SHC) and
PHY 152	College Physics II	(4 SHC)
PHY 251	General Physics I	(4 SHC) and
PHY 252	General Physics II	(4 SHC)

Academic Transition (1 SHC)

The following course is required:

ACA 122	College Transfer Success	(1 SHC)
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Total Semester Hours Credit (SHC) in Pathway

35

AG AND NATURAL RESOURCES

Agribusiness Technology (C15100X)

The Agribusiness Technology curriculum is designed to prepare students for careers in the agribusiness segment of the agricultural industry. It provides an understanding of basic business concepts and principles as they relate to the agricultural industry.



		Contact Hours	Semester Credit Hours
Fall Semester			
AGR 139	Introduction to Sustainable Agriculture	3	3
ANS 110	Animal Science	3	3
BUS 151	People Skills	3	3
Spring Semester			
AGR 140	Agricultural Chemicals	4	3
AGR 212	Farm Business Management	3	3
AGR 214	Agricultural Marketing	3	3
Total Semester Hours			18

Applied Animal Science Technology Program (C15280X)

The Applied Animal Science Technology curriculum is designed to prepare students for careers in the production, processing, and distribution of livestock and poultry and their products according to scientific principles essential to efficient and profitable operation.

		Contact Hours	Semester Credit Hours
Fall Semester			
ANS 110	Animal Science	3	3
ANS 115	Animal Feeds and Nutrition	4	3
ANS 130	Poultry Production	4	3
Spring Semester			
ANS 120	Beef Production	4	3
ANS 210	Livestock Production Issues	3	3
Total Semester Hours			15

❖Indicates prerequisites are required.

AG AND NATURAL RESOURCES

Sustainable Agriculture (C15410X)

The Sustainable Agriculture program is designed to provide the entrepreneurial and technical skills necessary to manage a profitable, environmentally sound, community-based small farm or agricultural business. The objective is the development of a workforce knowledgeable in sustainable agriculture practices.

		Contact Hours	Semester Credit Hours
Fall Semester			
AGR 111	Basic Farm Maintenance	4	2
AGR 139	Introduction to Sustainable Agriculture	3	3
BUS 151	People Skills	3	3
Spring Semester			
AGR 121	Biological Pest Management	3	3
AGR 160	Plant Science	4	3
AGR 265	Organic Crop Production: Spring	4	3
Total Semester Hours			17

Turfgrass Management Technology Certificate (C15420X)

The Turfgrass Management Technology curriculum is designed to provide skills necessary to perform duties related to management of golf courses, sports fields, lawn care, irrigation design, and sod production.

		Contact Hours	Semester Credit Hours
Fall Semester			
AGR 170	Soil Science	4	3
TRF 110	Intro to Turfgrass	5	4
Spring Semester			
TRF 120	Turfgrass Irrigation	6	4
TRF 240	Turfgras Pest Control	4	3
TRF 260	Adv. Turfgrass Management❖ (TRF 110)	5	4
Total Semester Hours			18

❖Indicates prerequisites are required.

Business Administration (C25120X)

“The business of America is business” and the Certificate in Business Administration is designed to prepare students for a career in today’s technology-based global economy. Students will become well-skilled graduates who are prepared for a growing labor market.

		Contact Hours	Semester Credit Hours
Fall Semester			
BUS 110	Introduction to Business	3	3
BUS 137	Principles of Management	3	3
CIS 110	Introduction to Computers❖ (CIS 070)	4	3
Spring Semester			
BUS 115	Business Law I	3	3
BUS 153	Human Resource Management	3	3
MKT 120	Principles of Marketing	3	3
Total Semester Hours			18

ENGINEERING AND MANUFACTURING

Business Administration/Operations Management (C2512GX)

The Business Administration/Operations Management Certificate provides students with an insight into the daily operational management required in today’s industry and business. This certificate can be earned in one year.

		Contact Hours	Semester Credit Hours
Fall Semester			
ACA 111	College Student Success	1	1
ISC 121	Environmental Health and Safety	3	3
ISC 210	Production and Operational Planning ❖ (DMA and DRE)	3	3
Spring Semester			
ISC 132	Manufacturing Quality Control❖ (DMA and DRE)	5	3
OMT 112	Material Management	3	3
OMT 222	Project Management	3	3
Total Semester Hours			16

❖Indicates prerequisites are required.

ENGINEERING AND MANUFACTURING

Building Science Certificate (C40370DX)

The Building Science certificate will prepare students to gain employment in the green construction and building monitoring industries. Students will be exposed to sustainable construction and development as well as requirements for initial LEED (Leadership in Energy and Environmental Design) certification and ongoing building monitoring and optimization. Students will learn how sustainable initiatives, energy conservation, and renewable energy sources fit into the future of the building industry.

		Contact Hours	Semester Credit Hours
Fall Semester			
CST 111	Construction I	6	4
SST 110	Introduction to Sustainability	3	3
Spring Semester			
ALT 120	Renewable Energy Technology	4	3
CST 150	Building Science	4	3
SST 140	Green Building and Design Concepts	3	3
Total Semester Hours			16

Mechatronics Engineering Technology Certificate (C40350AX)

The Electronics Engineering Technology curriculum prepares students 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.

		Contact Hours	Semester Credit Hours
Fall Semester			
ELC 111	Introduction to Electricity	4	3
Spring Semester			
ATR 112	Introduction to Automation	5	3
ELC 120	Introduction to Wiring	4	3
Summer Semester			
ISC 112	Industrial Safety	2	2
Total Semester Hours			15

ENGINEERING AND MANUFACTURING

Mechanical Engineering Technology/Engineering Technology Certificate (C40320X)

The Mechanical Engineering Technology curriculum prepares students for employment as technicians in the diversified mechanical and manufacturing engineering fields. Mechanical Engineering technicians assist in design, development, testing, process design and improvement, and troubleshooting and repair of engineered systems. Emphasis is placed on the integration of theory and hands-on application of engineering principles.

		Contact Hours	Semester Credit Hours
Fall Semester			
DFT 111	Technical Drafting I	4	2
DFT 151	CAD I	5	3
HYD 110	Hydraulics	5	3
Spring Semester			
DFT 154	Introduction To Solid Modeling	5	3
MEC 145	Manufacturing Materials	5	3
Total Semester Hours			14



EARLY CHILDHOOD

Early Childhood Education (C55220BX)

The Early Childhood Education curriculum prepares students to work with young children in child care programs, preschools, public and private schools, and More at Four and Head Start programs. The certificate is an entry-level program. Preparation for employment includes lectures, discussions, hands-on activities through labs, and cooperative work experiences.

		Contact Hours	Semester Credit Hours
Fall Semester			
EDU 119	Intro. to Early Childhood Education❖ (DRE)	4	4
EDU 144	Child Development I❖ (DRE)	3	3
Spring Semester			
EDU 145	Child Development II❖ (DRE)	3	3
EDU 153	Health, Safety and Nutrition❖ (DRE)	3	3
EDU 146	Child Guidance❖ (DRE)	3	3
Total Semester Hours			16

❖Indicates prerequisites are required.

EARLY CHILDHOOD

Infant/Toddler (C55290X)

The Early Childhood Education curriculum prepares students to work with infants and toddlers in child care programs, preschools, public and private schools, and Head Start programs. Having an employee who has earned this certificate gives the graduate's employer an additional quality point on its star-rated license. The certificate is an entry-level program.

		Contact Hours	Semester Credit Hours
Fall Semester			
EDU 119	Intro. to Early Childhood Education❖ (DRE)	4	4
EDU 131	Child, Family and Community❖ (DRE)	3	3
EDU 144	Child Development I❖ (DRE)	3	3
Spring Semester			
EDU 153	Health, Safety and Nutrition❖ (DRE)	3	3
EDU 234	Infants, Toddlers, and Twos❖ (DRE and EDU 119)	3	3
Total Semester Hours			16

INDUSTRIAL TECHNOLOGY

Air Conditioning, Heating, and Refrigeration Technology – Comfort Cooling Certificate (C35100CX)

The Air Conditioning, Heating, and Refrigeration Technology curriculum provides the basic knowledge to develop skills necessary to work with residential and light commercial systems.

		Contact Hours	Semester Credit Hours
Fall Semester			
AHR 110	Introduction to Refrigeration	8	5
AHR 111	HVACR Electricity	4	3
Spring Semester			
AHR 113	Comfort Cooling	6	4
Total Semester Hours			12



INDUSTRIAL TECHNOLOGY

Air Conditioning, Heating, and Refrigeration Technology - Heat Pump Certificate (C35100PX)

The Air Conditioning, Heating, and Refrigeration Technology curriculum provides the basic knowledge to develop skills necessary to work with residential and light commercial systems.

		Contact Hours	Semester Credit Hours
Fall Semester			
AHR 110	Introduction to Refrigeration	8	5
AHR 111	HVACR Electricity	4	3
Spring Semester			
AHR 112	Heating Technology	6	4
Summer Semester			
AHR 172	Heat Pump Lab	3	1
Total Semester Hours			13

Air Conditioning, Heating, and Refrigeration Technology – Heating Technology Certificate (C35100TX)

The Air Conditioning, Heating, and Refrigeration Technology curriculum provides the basic knowledge to develop skills necessary to work with residential and light commercial systems.

		Contact Hours	Semester Credit Hours
Fall Semester			
AHR 110	Introduction to Refrigeration	8	5
AHR 111	HVACR Electricity	4	3
Spring Semester			
AHR 112	Heating Technology	6	4
Total Semester Hours			12

INDUSTRIAL TECHNOLOGY

Computer-Integrated Machining/CNC Programming (C50210DX)

This certificate will introduce students to blueprint reading, computer-aided design (CAD), and computer numerical control (CNC). Upon completion, students will be able to produce complex parts using CAD/CAM software.

		Contact Hours	Semester Credit Hours
Fall Semester			
MAC 121	Introduction to CNC	2	2
MAC 131	Blueprint Reading/Machining I	3	2
MAC 141	Machining Applications I	8	4
Spring Semester			
MAC 122	CNC Turning	4	2
MAC 124	CNC Milling	4	2
Summer Semester			
MAC 222	Advanced CNC Turning❖ (MAC 122)	4	2
MAC 224	Advanced CNC Milling❖ (MAC 124)	4	2
Total Semester Hours			16

Industrial Systems Certificate (C50240X)

The Industrial Systems Technology curriculum is designed to prepare or upgrade students to safely service, maintain, repair, or install equipment. Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial systems.

		Contact Hours	Semester Credit Hours
Fall Semester			
ELC 125	Diagrams and Schematics	3	2
ELC 127	Software for Technician	4	2
MNT 165	Mechanical Industrial Systems	4	2
Spring Semester			
ELC 120	Introduction to Wiring	4	3
MEC 111	Machine Processes I	5	3
Summer Semester			
*ISC 121	Environmental Health and Safety	3	3
*MNT 110	Introduction to Maint Procedures	4	2
Total Semester Hours			17

*Online Courses

❖Indicates prerequisites are required.

INDUSTRIAL TECHNOLOGY

Welding Technology Certificate (C50420WX)

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.

	Contact Hours	Semester Credit Hours
Fall Semester		
WLD 115 SMAW (Stick) Plate	11	5
WLD 121 GMAW (MIG) FCAW/Plate	8	4
Spring Semester		
WLD 112 Basic Welding Processes	4	2
WLD 131 GTAW (TIG) Plate	8	4
Total Semester Hours		15



INFORMATION SYSTEMS



Computer Information Technology/Software Applications (C252600X)

The Computer Information Technology curriculum is designed to prepare students for employment with organizations that use computers to process, manage, and communicate information. This is a flexible curriculum that can be customized to meet community information systems needs.

		Contact Hours	Semester Credit Hours
Fall Semester			
CIS 110	Introduction to Computers❖ (CIS 070)	4	3
NOS 110	Operating Systems Concepts❖ (CIS 070)	5	3
Spring Semester			
CTS 120	Hardware/Software Support❖ (CIS 110)	5	3
NOS 130	Windows Single User❖ (NOS 110)	4	3
Total Semester Hours			12

❖Indicates prerequisites required.

INFORMATION SYSTEMS

Simulation and Game Development (C25450X)

The Simulation and Game Development curriculum provides a broad background in simulation and game development with practical applications in creative arts, visual arts, audio/video technology, creative writing, modeling, design, programming and management.



		Contact Hours	Semester Credit Hours
Fall Semester			
SGD 111	Introduction to SGD❖ (CIS 070)	5	3
SGD 116	Graphic Design Tools	4	3
Spring Semester			
SGD 113	SGD Programming❖ (CIS 070)	5	3
SGD 114	3D Modeling❖ (CIS 070)	5	3
Total Semester Hours			12



Network Technology/Routing and Switching (C2534ORX)

The Network Technology/Routing and Switching Certificate teaches students how to troubleshoot and repair complex Local Area Networks (LANs) and Wide Area Networks (WANs) in all types of environments. The content of this certificate focuses on deploying a variety of intermediate network device hardware, protocols, and technologies to transport data locally and globally. Courses are offered online and in the classroom. Students will be prepared for employment in jobs as LAN managers, network operators, network analysts, and network technicians.



		Contact Hours	Semester Credit Hours
Fall Semester			
NET 125	Networking Basics❖ (CIS 070)	5	3
NOS 110	Operating Systems Concepts❖ (CIS 070)	5	3
Spring Semester			
NET 126	Routing Basics❖ (NET 125)	5	3
NOS 120	Linux/Unix Single User❖ (NOS 110)	4	3
Total Semester Hours			12

❖Indicates prerequisites are required.

MEDICAL AND OFFICE ADMINISTRATION

Medical Office Administration/Medical Insurance (C25310IX)

The Medical Office Administration/Medial Insurance Certificate teaches students to perform a wide array of administrative duties, such as completing insurance claim forms and scheduling appointments. Demand for multi-skilled Medical Administrative Assistants and Medical Coding Specialist continues to increase.

		Contact Hours	Semester Credit Hours
Fall Semester			
MED 118	Medical Law and Ethics	2	2
MED 121	Medical Terminology I	3	3
OST 148	Medical Coding, Billing, and Insurance	3	3
Spring Semester			
MED 122	Medical Terminology II❖ (MED 121)	3	3
OST 243 *	Medical Office Simulation❖ (OST 148)	4	3
OST 247	Procedure Coding❖ (MED 121)	3	2
OST 248	Diagnostic Coding❖ (MED 121)	3	2
Total Semester Hours			18

* Keyboarding proficiency is a prerequisite for designated courses. This prerequisite may be satisfied through advanced placement, proficiency testing, or course enrollment.

Office Administration (C25370X)

The Office Administration Certificate teaches students the skills necessary to become a valued member of the office team and a part of one of America's largest occupations! Trained office administration personnel are the core of the efficient operation of any organization.

		Contact Hours	Semester Credit Hours
Fall Semester			
CIS 110	Introduction to Computers❖ (CIS 070)	4	3
OST 132*	Keyboarding Skillbuilding	3	2
OST 136 *	Word Processing	4	3
Spring Semester			
OST 134*	Text Entry and Formatting	4	3
OST 164	Text Editing Applications❖ (DRE)	3	3
OST 184	Records Management	4	3
Total Semester Hours			17

* Keyboarding proficiency is a prerequisite for designated courses. This prerequisite may be satisfied through advanced placement, proficiency testing, or course enrollment.

❖Indicates prerequisites are required.

PUBLIC SAFETY



Criminal Justice/Latent Evidence (C5518AX)

The Criminal Justice/Latent Evidence Certificate teaches students how to search for and collect evidence, interview witnesses and interrogate suspects, take photographs, develop and classify fingerprints, and scientifically understand microscopic evidence. This program will help prepare students for a career in law enforcement or as a crime scene investigator. Preparation for employment includes lectures, discussions, and lots of hands-on activities through labs.

		Contact Hours	Semester Credit Hours
Fall Semester			
CJC 114	Investigative Photography	3	2
CJC 120	Interviews/Interrogations	3	2
CJC 245	Friction Ridge Analysis	5	3
CJC 144	Crime Scene Processing	5	3
Spring Semester			
CJC 146	Trace Evidence	5	3
CJC 246	Advance Friction Ridge Analysis❖ (CJC 245)	5	3
Total Semester Hours			16

❖ Indicates prerequisites are required.



TRANSPORTATION

Automotive Maintenance and Light Repair Certificate (C60160X)

Upon completion of the Maintenance and Light Repair Certificate program, the new graduate should be able to maintain and perform light vehicle repairs related to Automotive Service Excellence (ASE) Automobile areas A1-A8 including Engine Repair, Automatic Trans/Tansaxle, Manual Drivetrains and Axles, Suspension and Steering, Brakes, Electrical/Electronic Systems, Heating and Air Conditioning, and Engine Performance.

		Contact Hours	Semester Credit Hours
Fall Semester			
ACA 111	College Student Success	1	1
TRN 110	Introduction to Transportation Technology	3	2
TRN 120	Basic Transportation Electricity	7	5
AUT 113	Automotive Servicing I	6	2
AUT 213	Automotive Servicing II	4	2
Spring Semester			
AUT 141	Suspension and Steering Systems	5	3
AUT 151	Brake Systems	5	3
Total Semester Hours			18

TRANSPORTATION



Collision Repair and Refinishing Technology (C60130X)

Collision Repair and Refinishing Technology: A program that prepares students to apply technical knowledge and skills to repair, reconstruct and finish automobile bodies, fenders, and external features. Includes instruction in structure analysis, damage repair, non-structural analysis, mechanical and electrical components, plastics and adhesives, painting and refinishing techniques, and damage analysis and estimating.

		Contact Hours	Semester Credit Hours
Fall Semester			
ACA 111	College Student Success	1	1
TRN 110	Introduction to Transportation Technology	3	2
TRN 180	Basic Welding for Transportation	5	3
AUB 111	Painting and Refinishing I	8	4
AUB 121	Non-Structural Damage I	5	3
AUB 131	Structural Damage I	6	4
Total Semester Hours			17

AG AND NATURAL RESOURCES

Agribusiness Technology (C15100X)

919-739-6807 | www.waynecc.edu/agribusiness

Applied Animal Science Technology (C15280X)

919-739-6808

www.waynecc.edu/applied-animal-science

Sustainable Agriculture (C15410X)

919-739-6807 | www.waynecc.edu/sustainable-ag

Turfgrass Management Certificate (C15420X)

919-739-6810 | www.waynecc.edu/turfgrass

BUSINESS

Business Administration (C25120X)

919-739-6880

www.waynecc.edu/business-administration

ENGINEERING AND MANUFACTURING

Business Administration/Operations Management (C2512GX)

919-739-6815 | www.waynecc.edu/ba

Building Science Certificate (C40370DX)

919-739-6902 | www.waynecc.edu/sustainability

Mechatronics Engineering Technology Certificate (C40350AX)

919-739-6817

www.waynecc.edu/electronics-engineering

Mechanical Engineering Technology/Engineering Technology Certificate (C40320X)

919-739-6814

www.waynecc.edu/mechanical-engineering

EARLY CHILDHOOD

Early Childhood (C55220BX)

919-739-6819 | 919-739-6821

www.waynecc.edu/early-childhood

Infant/Toddler (C55290X)

919-739-6819 | 919-739-6821 | www.waynecc.edu/ece

INDUSTRIAL TECHNOLOGY

Air Conditioning, Heating, and Refrigeration Technology-Comfort Cooling (C35100CX)

919-739-6813

www.waynecc.edu/air-conditioning-heating

Air Conditioning, Heating, and Refrigeration Technology-Heat Pump (C35100PX)

919-739-6813

www.waynecc.edu/air-conditioning-heating

Air Conditioning, Heating, and Refrigeration Technology-Heating Technology (C35100TX)

919-739-6813

www.waynecc.edu/air-conditioning-heating

Computer-Integrated Machining/CNC Programming (C50210DX)

919-739-6812 | www.waynecc.edu/machining

Industrial Systems Certificate (C50240X)

919-739-6806 | 919-739-6818

www.waynecc.edu/industrial-systems

Welding Technology Certificate (C50420WX)

919-739-6816 | www.waynecc.edu/welding

INFORMATION SYSTEMS

Computer Information Technology/Software Applications (C252600X)

919-739-6881 | 919-739-6882 | www.waynecc.edu/cit

Simulation and Game Design (C25450X)

919-739-6879

www.waynecc.edu/simulation-game-development

Networking Technology/Routing and Switching (C25340RX)

919-739-6879 | www.waynecc.edu/networking

MEDICAL AND OFFICE ADMINISTRATION

Medical Office Administration/Medical Insurance (C25310IX)

919-739-6887 | www.waynecc.edu/medical

Office Administration (C25370X)

919-739-6886 | www.waynecc.edu/uru/medical

PUBLIC SAFETY

Criminal Justice Technology/Latent Evidence (C5518AX)

919-739-6800 | www.waynecc.edu/criminal-justice

TRANSPORTATION

Automotive Maintenance and Light Repair Certificate (C60160X)

919-739-6819 | 919-739-6822

www.waynecc.edu/automotive-systems

Collision Repair and Refinishing Technology (C60130X)

919-739-6819 | 919-739-6821

www.waynecc.edu/autobody

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www.waynecc.edu/career-and-college-promise



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