



NORTH CAROLINA COMMUNITY COLLEGE SYSTEM

Dr. William S. Carver, II
Interim President

NUMBERED MEMO CC23-010

To: Presidents
Chief Academic Officers

From: Dr. Lisa Eads
Associate Vice President, Programs

Subject: Curriculum Course Review Committee Course Approvals

Date: April 11, 2023

The Curriculum Course Review Committee (CCRC) has the responsibility for maintaining the curriculum courses in the *Combined Course Library* (CCL). The approved course requests from the Spring 2023 CCRC meeting, held on February 22, 2023, are attached for your information. *Course revisions may involve the removal of required prerequisites or corequisites. Please note that colleges may add local prerequisites and/or corequisites if they determine a need exists.*

Course Revision Impact to Curriculum Standards

The CCRC approved requests to revise the **course description, prerequisite(s), corequisite(s), and/or class/lab hours** of core courses found on the curriculum standards listed below. Please note that the only change indicated on the printed standard will be the inclusion of the statement “CCRC Revised Electronic Only 02/22/23”, since only the electronic version of the standard in Colleague will be revised.

Program Title	Program Code
Photographic Technology	A30280
Associate in Science	A10400
Associate in Science in Teacher Preparation	A1040T
Associate in Engineering	A10500
Associate in Fine Arts in Visual Arts	A10600
Associate in Fine Arts in Theatre	A10800
Automation Engineering Technology	A40120
CCP AS Transfer Pathway	P1042C
CCP ASTP Transfer Pathway	P1042T
CCP AE Pathway	P1052C
CCP AFA Visual Arts Transfer Pathway	P1062C
CCP AFA Music Transfer Pathway	P1072C
CCP AFA Theater Transfer Pathway	P1082C

Credit for Prior Learning Policy – Manufacturing Industrial, Construction Technologies, and Health and Human Services

The CCRC approved the proposed Credit for Prior Learning Policy (CPL) crosswalks for the following areas: Manufacturing Industrial, Construction Technologies, and Health and Human Services. Items with an added footnote may require documentation at an individual college in order for credit to be awarded.

Please be aware that you must implement the attached revised courses and standards no later than one year after the effective term. You must update your college's electronic program of study and receive approval from the System Office *prior* to implementation of the revised courses and programs.

Curriculum standards, curriculum courses, and procedures for submitting requests to the CCRC are available on the Academic Programs home page at:

<http://www.nccommunitycolleges.edu/academic-programs>

If you need assistance or clarification concerning CCRC action, please contact Dr. Lisa Eads, Associate Vice President, Programs, at eadsl@nccommunitycolleges.edu or (919) 807-7133.

LE/nd

Attachments

- c: Curriculum Course Review Committee
 - Dr. Levy Brown
 - Ms. Michelle Lair
 - Dr. Lori Byrd
 - Ms. Reyna Rodriguez
 - Ms. Nedra Dixon
 - Ms. Peyton Bell
 - Program Coordinators

Curriculum Course Request Approved by the Curriculum Course Review Committee
Approved by the Curriculum Course Review Committee
February 22, 2023

Course Number	Course Title	Request	Effective Semester	Core Course
AER 115	Flight Simulator	Revision: Change course title from "Flight Simulator" to "Instrument Flight Simulator"; Change course hours from "0-2-0-0-1" to "1-3-0-0-2"; Change course description (Sandhills CC)	Early Implementation Fall 2023	N/A
AER 116	Private Pilot Flight Simulator	New Course (Sandhills CC)	Fall 2023	N/A
MAC 161	Metrology, Inspection & Testing I	New Course (Randolph CC)	Fall 2023	N/A
MAC 162	Metrology, Inspection & Testing II	New Course (Randolph CC)	Fall 2023	N/A
MAT 263	Brief Calculus	Revision: Change Prerequisite(s) from "MAT 171" to "MAT 171 OR MAT 175" (Gaston College)	Spring 2024	A10400 A1040T P1042C P1042T

Course Number	Course Title	Request	Effective Semester	Core Course
MAT 271	Calculus I	Revision: Change Prerequisite(s) from "MAT 172" to "MAT 172 or MAT 175" (Gaston CC)	Spring 2024	A10400 A10500 A10600 A10800 A1040T P1042C P1052C P1062C P1072C P1082C P1042T
MNT 250	PLC Interfacing	Revision: Change Prerequisite(s) from "ELC 128" to "ELC 128 or ELN 260" (Randolph CC)	Spring 2024	A40120
PHO 211	Prof Portraiture I	Revision: Change course title from "Prof Portraiture I" to "Contemporary Portraiture I"; Change course hours from "2-12-0-0-8" to "2-8-0-0-6"; Change Prerequisite(s) from "PHO 126" to "PHO 115 or PHO 126"; Change course description (Randolph CC)	Early Implementation Fall 2023	A30280
PHO 215	Photographic Illustration	Revision: Change Prerequisite(s) from "PHO 132 and PHO 135" to "PHO 132 and PHO 115 or PHO 135" (Randolph CC)	Early Implementation Fall 2023	A30280
PHO 216	Documentary Photography	Revision: Change course title from "Documentary Photography" to "Documentary Photography/Multimedia"; Change course description (Randolph CC)	Early Implementation Fall 2023	N/A

Course Number	Course Title	Request	Effective Semester	Core Course
PHO 221	Prof Portraiture II	Revision: Change course title from "Prof Portraiture II" to "Contemporary Portraiture II"; Change course description (Randolph CC)	Early Implementation Fall 2023	A30280
PHO 231	Commercial Port Prep	Revision: Change course title from "Commercial Port Prep" to "Commercial Portfolio Capstone"; Change course hours from "0-6-0-0-2" to "1-3-0-0-2"; Change Prerequisite(s) from "PHO 229" to "PHO 220 and PHO 229"; Change course description (Randolph CC)	Early Implementation Fall 2023	A30280
PHO 232	Photojournalism Port Prep	Revision: Change course title from "Photojournalism Port Prep" to "Multimedia Journalism Portfolio Capstone"; Change course hours from "0-6-0-0-2" to "1-3-0-0-2"; Change Prerequisite(s) from "PHO 227" to "PHO 217 and PHO 220"; Change course description (Randolph CC)	Early Implementation Fall 2023	A30280
PHO 233	Portrait Port Prep	Revision: Change course title from "Portrait Port Prep" to "Portraiture Portfolio Capstone"; Change course hours from "0-6-0-0-2" to "1-3-0-0-2"; Change Prerequisite(s) from "PHO 221" to "PHO 220 or PHO 221"; Change course description (Randolph CC)	Early Implementation Fall 2023	A30280

Course Number	Course Title	Request	Effective Semester	Core Course
VEN 181	Tasting Room Operations	Revision: Change Corequisite from Take One: VEN-182 or WBL-112” to Take One: “VEN-182 or WBL-111” (Surry CC)	Early Implementation Fall 2023	NA

Credit for Prior Learning: Manufacturing - Industrial

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
AWS Certified Welder Program SMAW Plate	American Welding Society (AWS) www.aws.org	5 SHC	WLD 115	SMAW (Stick) Plate	
AWS Certified Welder Program GMAW Plate	American Welding Society (AWS) www.aws.org	4 SHC	WLD 121	GMAW (MIG) FCAW/Plate	
AWS Certified Welder Program FCAW Plate	American Welding Society (AWS) www.aws.org	4 SHC	WLD 123	FCAW Plate	
AWS Certified Welder Program GTAW Plate	American Welding Society (AWS) www.aws.org	4 SHC	WLD 131	GTAW (TIG) Plate	
AWS Certified Welder Program SMAW Pipe	American Welding Society (AWS) www.aws.org	4 SHC	WLD 215	SMAW (Stick) Pipe	
AWS Certified Welder Program GTAW Pipe (Carbon Steel)	American Welding Society (AWS) www.aws.org	3 SHC	WLD 231	GTAW (TIG) Pipe	
NCCER Welding Level 1	National Center for Construction Education and Research (NCCER) https://qualifications.pearson.com/en/qualifications/nccer/welding.html	2 SHC 2 SHC 5 SHC	WLD 110 and WLD 111 and WLD 115	Cutting Processes Oxy-Fuel Welding SMAW (Stick) Plate	Curriculum correlates to the AWS SENSE (Schools Excelling through national Skills Education) standards and guidelines for Entry Welder

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
NCCER Welding Level 2	National Center for Construction Education and Research (NCCER) https://qualifications.pearson.com/en/qualifications/nccer/welding.html	4 SHC 4 SHC	WLD 121 and WLD 131	GMAW (MIG) FCAW/Plate GTAW (TIG) Plate	Curriculum correlates to the AWS SENSE (Schools Excelling through national Skills Education) standards and guidelines for Entry Welder
AWS SENSE Welding I (Entry Level Welder Certificate)	American Welding Society (AWS) Schools Excelling through National School Standards Education (SENSE) https://www.aws.org/education/sense/	2 SHC 2 SHC 5 SHC 4 SHC 4 SHC	WLD 110 and WLD 111 and WLD 115 and WLD 121 and WLD 131	Cutting Processes Oxy-Fuel Welding SMAW (Stick) Plate GMAW (MIG) Plate FCAW/Plate GTAW (TIG) Plate	NCCER Level I & II
Electronics System Associate (ESA)	Certified Electronics Technician (CET) www.iscet.org	3 SHC	ELC 111	Intro to Electricity	
NIMS Measure/Material & Safety	National Institute for Metalworking Skills (NIMS) www.nims-skills.org	1 SHC	MAC 171	Measure/ Material & Safety	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
NIMS Job Plan, Bench & Layout	National Institute for Metalworking Skills (NIMS) www.nims-skills.org	1 SHC	MAC 172	Job Plan, Bench & Layout	
NIMS Manual Milling/Drilling	National Institute for Metalworking Skills (NIMS) www.nims-skills.org	1 SHC	MAC 173	Manual Milling/Drilling	
NIMS Manual Turning	National Institute for Metalworking Skills (NIMS) www.nims-skills.org	1 SHC	MAC 174	Manual Turning	
NIMS Manual Surface Grinding	National Institute for Metalworking Skills (NIMS) www.nims-skills.org	3 SHC	MAC 176	Manual Surface Grinding	
NIMS Machining Level 1 – CNC Turning: Programming Setup & Operations	National Institute for Metalworking Skills (NIMS) www.nims-skills.org	1 SHC	MAC 178	CNC Turning: Operator	
NIMS Machining Level 1 – CNC Milling: Programming Setup & Operations	National Institute for Metalworking Skills (NIMS) www.nims-skills.org	1 SHC	MAC 179	CNC Milling: Operator	
NIMS CNC Turning	National Institute for Metalworking Skills (NIMS) www.nims-skills.org	4 SHC	MAC 180	CNC Turn: Prog Set & Oper	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
NIMS CNC Milling	National Institute for Metalworking Skills (NIMS) www.nims-skills.org	4 SHC	MAC 181	CNC Mill: Prog Set & Oper	
OSHA-30 Certification General Industry	USDOL Occupational Safety and Health Administration https://www.osha.gov/	1 SHC 2 SHC	ISC 110 or ISC 112	Workplace Safety Industrial Safety	
OSHA-10 Certification General Industry	USDOL Occupational Safety and Health Administration https://www.osha.gov/	1 SHC	ISC 110	Workplace Safety	
Industrial Maintenance Mechanic Levels 1-3	National Center for Construction Education & Research (NCCER) www.nccer.org	2 SHC 3 SHC 2 SHC 2 SHC 2 SHC 2 SHC	MNT 110 and MNT 111 and MNT 165 and MNT 220 and MNT 222 and MNT 230	Intro to Maint Procedures Maintenance Practices Mechanical Industrial Systems Rigging and Moving Industrial Sys Schematics Pumps & Piping Systems	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Certified Production Technician	Manufacturing Skills Standards Council MSSC https://www.msscusa.org/	1 SHC 2 SHC 3 SHC 1 SHC 2 SHC	ISC 110 or ISC 112 and EGR 115 and EGR 115A and ISC 111	Workplace Safety Industrial Safety Intro to Technology Intro to Technology Lab Quality Control	
Certified Logistics Technician (includes Certified Logistics Associate and Certified Logistics Technician – CLA, CLT)	Manufacturing Skills Standards Council MSSC https://www.msscusa.org/	3 SHC 3 SHC 3 SHC 3 SHC	LOG 110 and LOG 211 or OMT 112 and OMT 241	Introduction to Logistics Distribution Management Materials Management Logistics	
Certified in Production and Inventory Management APICS CPIM	American Production and Inventory Control Society APICS https://www.ascm.org/learning-development/certifications-credentials/cpim/	3 SHC 3 SHC 3 SHC 3 SHC	LOG 110 and LOG 211 or OMT 112 and OMT 241	Introduction to Logistics Distribution Management Materials Management Logistics	
CFC/EPA Certification Section 608	NC State Board of Refrigeration Examiners http://refrigerationboard.org/cfc/index.html	1 SHC	AHR 160	Refrigerant Certification	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Furniture Technology	WS Furniture Technology	N/A	N/A	N/A	Furniture Academy at CVCC is run as CE and is lone college to offer program. CVCC can determine local CPL
Section 608 EPA Certification Program	The ESCO Group https://escogroup.org/	1 SHC	AHR 160	Refrigerant Certification	
Employment Ready: Air Conditioning Certificate AND Employment Ready: Basic Refrigeration and Charging Procedures Certificate	The ESCO Group https://escogroup.org/	5 SHC	AHR 110	Intro to Refrigeration	Both certifications must be complete for credit
BioWork Process Technician	WS BioWork Process Technician	5 SHC 7 3 SHC	BPM 110 and PTC 110	Bioprocess Practices Industrial Environment	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Certificate for Apartment Maintenance Technician	National Apartment Association Education Institute (Meets with American National Standards Institute. Requires 12 Months experience, 80-hour coursework, exam standards.) https://www.naahq.org/education-careers/naaei-credentials	2 SHC	MNT 150	Basic Building Maintenance	
Industrial Maintenance Mechanic CMRP	Society for Maintenance & Reliability Professionals - SMRP	2 SHC 2 SHC 3 SHC	MNT 110 or MNT 165 or MEC 130	Intro to Maint Procedures Mechanical Industrial Systems Mechanisms	
Mechatronics - Industrial Electricity 1	Packaging Machinery Manufacturers Institute – PMMI PMMI https://www.pmmi.org/	3 SHC 4 SHC	ELC 111 and ELC 117	Intro to Electricity Motors and Controls	
Mechatronics - Programmable Logic Controllers (PLCs) 1	Packaging Machinery Manufacturers Institute – PMMI https://www.pmmi.org/	3 SHC 4 SHC	ELC 128 or ELN 260	Intro to PLC Prog Logic Controllers	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Forklift Operator	National Safety Council	N/A	N/A	N/A	No forklift course in CU
Slide Caliper Measurement	National Coalition of Certification Centers http://www.nc3.net/	N/A	N/A	N/A	No CU course involving just this one skill
Tape and Rule Measurement	National Coalition of Certification Centers http://www.nc3.net/	N/A	N/A	N/A	No CU course involving just this one skill
Heating, Ventilating and Air Conditioning	North American Technician Excellence http://www.nc3.net/	N/A	N/A	N/A	This NC3 training does not meet the rigor of any current CU course
NABCEP PV Installation Professional Certification	North American Board of Certified Energy Practitioners (Requires decision-making role experience in PV installations. Requires OSHA 10.) http://www.nabcep.org/wp-content/uploads/2018/02/NABCEP-Certification-Handbook-V2018.compressed.pdf#page=14	3 SHC 3 SHC	ELC 220 and ELC 221	Photovoltaic Sys Tech Adv PV Sys Designs	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
NABCEP PV Installer Specialist Certification	North American Board of Certified Energy Practitioners (Requires decision-making role experience in PV installations. Requires OSHA 10.) http://www.nabcep.org/wp-content/uploads/2018/02/NABCEP-Certification-Handbook-V2018.compressed.pdf#page=14	3 SHC	ELC 220	Photovoltaic Sys Tech	
Certified Electronics Technician - Associate	Electronics Technician Association https://www.eta-i.org/comps/CETa_comps.pdf	5 SHC 4 SHC	ELC 112 and ELN 133	DC/AC Electricity Digital Electronics	
Certified Calibration Technician - CCT	America Society for Quality https://asq.org/cert	2 SHC 3 SHC 3 SHC	ISC 212 or MAC 114 and OMT 110	Metrology Intro to Metrology Intro to Operations Management	UP TO TOTAL CREDITS: 5 SHC

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Certified Quality Technician - CQT	America Society for Quality https://asq.org/cert	2 SHC 2 SHC 2 SHC 2 SHC 1 SHC 4 SHC 3 SHC	ISC 212 or MAC 114 and MAC 131 or BPR 111 and ISC 175 ISC 237 or OMT 110	Metrology Intro to Metrology Blueprint Reading/ Mach I Print Reading QA Fundamentals Quality Management Intro to Operations Management	UP TO TOTAL CREDITS: 9 SHC
Certified Quality Improvement Associate - CQIA	America Society for Quality https://asq.org/cert	3 SHC 3 SHC 3 SHC	ISC 130 and ISC 131 and ISC 132	Intro to Quality Control Quality Management Mfg Quality Control	UP TO TOTAL CREDITS: 9 SHC

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Certified Six Sigma Black Belt	America Society for Quality https://asq.org/cert	3 SHC 3 SHC 3 SHC 3 SHC 3 SHC	ISC 131 and ISC 132 and ISC 220 and ISC 237 or OMT 110	Quality Management Mfg Quality Control Lean Manufacturing Quality Management Intro to Operations Management	UP TO TOTAL CREDITS: 12 SHC
Certified Six Sigma Green Belt	America Society for Quality https://asq.org/cert	3 SHC 3 SHC 3 SHC	ISC 131 and ISC 132 and ISC 220	Quality Management Mfg Quality Control Lean Manufacturing	UP TO TOTAL CREDITS: 9 SHC
Hydraulic Specialist Certification	International Fluid Power Society https://www.ifps.org/certifications-offered	3 SHC 3 SHC 3 SHC 2 SHC	HYD 110 and HYD 115 and HYD 180 and HYD 210	Hydraulics/ Pneumatics I Industrial Hydraulics Pneumatics in Automation Advanced Hydraulics	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Electronic Controls Specialist Certification	International Fluid Power Society https://www.ifps.org/certifications-offered	3 SHC 3 SHC 3 SHC 4 SHC	HYD 110 and HYD 115 and ELC 128 and ELC 131	Hydraulics/ Pneumatics I Industrial Hydraulics Intro to PLC Circuit Analysis I	
Autodesk	Autodesk Certified Professional Inventor https://www.autodesk.com/	2 SHC 2 SHC 3 SHC 3 SHC 3 SHC	DFT 119 and DFT 120 or DFT 151 and DFT 152 or DFT 170	Basic CAD Advanced CAD CAD I CAD II Engineering Graphics	
Autodesk	Autodesk Certified Professional Revit https://www.autodesk.com/	2 SHC 2 SHC 3 SHC 3 SHC	DFT 119 and DFT 120 or DFT 151 and DFT 152	Basic CAD Advanced CAD CAD I CAD II	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Autodesk	Autodesk Certified User AutoCAD https://www.autodesk.com/	2 SHC 2 SHC 2 SHC 3 SHC	DFT 110 or DFT 115 or DFT 119 or DFT 151	Basic Drafting Architectural Drafting Basic CAD CAD I	
Autodesk	Autodesk Certified User Inventor https://www.autodesk.com/	2 SHC 2 SHC 3 SHC 3 SHC 3 SHC	DFT 119 and DFT 120 or DFT 151 and DFT 152 or DFT 170	Basic CAD Advanced CAD CAD I CAD II Engineering Graphics	
Autodesk	Autodesk Certified User Revit https://www.autodesk.com/	2 SHC 2 SHC 3 SHC 3 SHC 3 SHC	DFT 119 and DFT 120 or DFT 151 and DFT 152 or DFT 170	Basic CAD Advanced CAD CAD I CAD II Engineering Graphics	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
American National Standards Institute	Certified Apartment Maintenance Technician https://www.naahq.org/education-careers/credentials/camt	2 SHC	MNT 150	Basic Building Maintenance	
Refrigerating Engineers and Technicians Association (RETA)	Certified Assistant Refrigeration Operator (CARO) https://reta.com/page/caro	2 SHC	AHR 115	Refrigeration Systems	
Refrigerating Engineers and Technicians Association (RETA)	Certified Industrial Refrigeration Operator (CIRO) https://reta.com/general/custom.asp?page=ciro	3 SHC 4 SHC 4 SHC	AHR 235 or REF 116 and REF 117	Refrigeration Design Commercial Systems I Refrigeration Controls	
SolidWorks	Certified SolidWorks Associate (CSWA) https://www.solidworks.com/	2 SHC 2 SHC 2 SHC 3 SHC	DFT 110 or DFT 115 or DFT 119 or DFT 151	Basic Drafting Architectural Drafting Basic CAD CAD I	
SolidWorks	Certified SolidWorks Professional (CSWP) https://www.solidworks.com/	2 SHC 2 SHC 3 SHC 3 SHC	DFT 119 and DFT 120 or DFT 151 and DFT 152	Basic CAD Advanced CAD CAD I CAD II	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
MSI Manufacturing Technician Level 1 (MT1)	MSI Manufacturing Technician Level 1 (MT1)	N/A	N/A	N/A	

Credit for Prior Learning: Construction Technologies

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course:	Course Title:	*Suggested Evidences:	**Additional Requirements:
Registered Apprentice (Construction Technologies)	USDOL/NCDOL/ ApprenticeshipNC	1- 8 SHC	WBL		Per college Policy	<p>Colleges shall consider awarding Work-Based Learning (WBL) course credit for documented Work Experience for a NC state-licensed contractor at a ratio of 160 hours of work experience = 1 SHC WBL for a maximum of 16 SHC toward a diploma or AAS degree program.</p> <p>*Colleges shall consider awarding curriculum course credit in related program of study based upon the documented (e.g., apprenticeship agreement, competency checklist) Related Instruction that was provided for the apprenticeship experience.</p> <p>Experiential learning cannot exceed 25% of hours in program of study.</p>

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course:	Course Title:	*Suggested Evidences:	**Additional Requirements:
State of NC Licensure General Contractors Plumbing, Heating, and Fire Sprinkler Contractors Electrical Contractors	NC Board of Examiners	1-16 SHC	WBL		Per college Policy	Colleges shall consider awarding Work-Based Learning (WBL) course credit for documented work experience for a NC state-licensed contractor at a ratio of 160 hours of work experience = 1 SHC WBL for a maximum of 16 SHC* toward a diploma or AAS degree program.

(*) A portfolio or demonstration may be required at an individual college to award credit.

(**) Definition and Program Hours Allowed (1D SBCCC 400.10 (e)(6)(A)): (A) Work-Based Learning is the development of job skills and an opportunity for career exploration by providing the non-captive or non-special credit curriculum student with employment that is coordinated with the educational program. Credit of one semester hour is awarded for each 160 hours of Work-Based Learning i.e. WBL curriculum prefix courses. Work-Based Learning curriculum courses may be included in a program of study with the following range of semester hours of credit: (i) Certificate: Maximum of two semester hours of credit (ii) Diploma: Maximum of four semester hours of credit. Students participating in an apprenticeship registered under the State's Apprenticeship Program may use up to sixteen semester hours of credit in the diploma program. (iii) Associate in Applied Science: Maximum of eight semester hours of credit. Students participating in an apprenticeship registered under the State's Apprenticeship Program may use up to sixteen semester hours of credit in the associate in applied science program. (iv) Associate in Arts, Science, Engineering and Fine Arts in Music, Theatre and Visual Arts: Maximum of one semester hour credit which may be utilized as the 61st hour. (v) Associate in General Education: Maximum of seven semester hours of credit. (vi) Associate in General Education Nursing: Work-Based Learning shall not be included.

Credit for Prior Learning: Health and Human Services

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Nurse Aide I	NC Department of Health Service Regulation https://info.ncdhhs.gov/dhsr/hcpr/index.html	6 SHC	NAS 101	Nurse Aide I	Current on DHSR Registry
Phlebotomy Technician	American Society for Clinical Pathology https://www.ascp.org/content/#	6 SHC	PBT 100	Phlebotomy Technology Phlebotomy Practicum	Current Certification
		3 SHC	PBT 101		
Computed Tomography Technician	American Registry of Radiologic Technologists https://www.arrt.org/	3 SHC	CAT 210	CT Physics and Equipment	Current Certification
		1 SHC	CAT 210A	CT Physics and Equipment	
		4 SHC	CAT 211	Lab CT Procedures	
		3 SHC	CAT 212	CT Pathology	
		3 SHC	CAT 214	CT Procedures	
		3 SHC	CAT 215	CT Clinical Practicum	
		4 SHC	CAT 224	CT Clinical Practicum	
		6 SHC	CAT 226	CT Clinical Practicum	
		7 SHC	CAT 227	CT Clinical Practicum	
		8 SHC	CAT 228	CT Clinical Practicum	
		11 SHC	CAT 231	CT Clinical Practicum	
		1 SHC	CAT 261	CT exam Prep	
		4 SHC	IMG 110	Fundamentals of Imaging I	
		4 SHC	IMG 111	Fundamentals of Imaging II	
2 SHC	IMG 120	Patient Care Medical Imaging			
3 SHC	IMG 130	Imaging Ethics & Law			

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Nurse Aide II	NC Board of Nursing NCBON.org	6 SHC	NAS 102	Nurse Aid II	Current CNA Certification
Certified Pharmacy Technician	Pharmacy Technician Certification Board http://www.ptcb.org/ . https://portal.ncbop.org/	3 SHC 4 SHC 4 SHC 3 SHC 1 SHC 2 SHC 2 SHC 2 SHC 2 SHC 3 SHC 4 SHC 5 SHC 6 SHC 8 SHC	PHM 110 PHM 111 PHM 112 PHM115 PHM115A PHM 120 PHM 140 PHM 165 PHM 132 PHM 133 PHM 134 PHM 135 PHM 136 PHM 138	Intro.to Pharmacy Pharmacy Practice I Pharmacy Practice II Pharmacy Calculations Pharm. Calc Lab Sterile Products Trends in Pharmacy Pharmacy Prof. Practice Pharmacy Clinical Pharmacy Clinical Pharmacy Clinical Pharmacy Clinical Pharmacy Clinical	Industry Std. Post 2020 CE must be accredited by PTCB
Electrocardiogram Technician	American Society for Clinical Pathology https://www.ascp.org/content/#	4 SHC	ICT 113	Electrocardiography	Current Certification

Industry Certification:	Issuing Industry/Organization:	Credit Hours	Curriculum Course #:	Course Title:	Additional Requirements:
Mammography Certification & Registration	American Registry of Radiologic Technologists https://www.arrt.org/	4 SHC 3 SHC 1 SHC 1 SHC 5 SHC 3 SHC	MAM 101 MAM 102 MAM 103 MAM 104 MAM 105 MAM 109	Mam Proc & Image Analysis Mam Instrumentation & QA Digital Mammography Digital Breast Tomosynthesis Mammography Clinical Ed Mammography Capstone	Current Certification
Magnetic Resonance Imaging	American Registry of Radiologic Technologists https://www.arrt.org/	2 SHC 2 SHC 2 SHC 2 SHC 2 SHC 3 SHC 4 SHC 6 SHC 7 SHC 8 SHC 2 SHC 2 SHC 4 SHC 7 SHC 8 SHC	MRI 213 MRI 214 MRI 215 MRI 216 MRI 217 MRI 218 MRI 223 MRI 224 MRI 226 MRI 227 MRI 228 MRI 241 MRI 242 MRI 250 MRI 260 MRI 270	MR Patient Care & Safety MRI Procedures I MRI Procedures II MRI Instrumentation MRI Physics I MRI Physics II MRI Clinical Practicum MRI Clinical Practicum MRI Clinical Practicum MRI Clinical Practicum	Current Certification

		1 SHC 4 SHC 4 SHC 2 SHC 3 SHC	MRI 271 IMG 110 IMG 111 IMG 120 IMG 130	MRI Clinical Practicum MRI Anatomy & Path I MRI Anatomy & Path II MRI Clinical Ed I MRI Clinical Ed II MRI Clinical Ed III MRI Capstone Fundamentals of Imag I Fundamentals of Imag II Patient Care Medical Imag Imaging Ethics & Law	
Certified Personal Trainer	National Academy of Sports Medicine CAAHEP accrediting body www.nasm.org	3 SHC 2 SHC 3 SHC	HFS 210	Personal Training Fit and Well for Life Personal Health/Wellness	

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Certified Personal Trainer	American College of Sports Medicine www.acsm.org	3 SHC 2SHC 3 SHC	HFS 210	Personal Training Fit and Well for Life Personal Health/Wellness	
Sterile Processing and Distribution Technician	Certification Board for Sterile Processing and Distribution https://www.vivian.com/certifications/cbspd	8 SHC 3 SHC	STP 101 STP 102	Intro Sterile Processing STP Clinical Practice	Current Certification
Certified Registered Central Service Technician	International Association of Healthcare Central Service Mat https://myhspa.org/	8 SHC 3 SHC	STP 101 STP 102	Intro Sterile Processing STP Clinical Practice	Current Certificate
Human Services Exploration: DSS Casework	HRD-4000 CCED	2 SHC	HSE-155	Community Resources Mgt	Note: Students must provide documentation of successful completion of NCFAST Phase I (HSE-HSP1) and NCFAST Phase II (HSE-HSP2) to receive curriculum credit for the courses listed

					in the Curriculum Equivalent Course column
Income Maintenance Caseworker – NCFAST	HSE-3220 CCED	2 SHC	HSE 250	Financial Services	Note: Students must provide documentation of successful completion of NCFAST Phase I (HSE-HSP1) and NCFAST Phase II (HSE-HSP2) to receive curriculum credit for the courses listed in the Curriculum Equivalent Course column
Nursing Aide I	NUR-3240	5 SHC	HSE 215	Health Care	Current Certification

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Certified Medical Administrative Assistant	National Healthcareer Association https://www.nhanow.com/	N/A	N/A	N/A	N/A
Phlebotomy Technician	National Healthcareer Association https://www.nhanow.com/	N/A	N/A	N/A	N/A
Electronic Health Record Specialist	National Healthcareer Association https://www.nhanow.com/	N/A	N/A	N/A	N/A
Critical Care Emergency Medical Transport	University of Maryland-Baltimore County 2-day Certificate program	N/A	N/A	N/A	N/A
Certified Pharmacy Technician	NC Board of Pharmacy www.ncbop.org	N/A	N/A	N/A	N/A
Certified Ophthalmic Assistant	Joint Commission on Allied Health Personnel in Ophthalmology	N/A	N/A	N/A	N/A
Certified Health Unit Coordinator	National Association of Health Unit Coordinators	N/A	N/A	N/A	N/A
Community Paramedic	International Board of Specialty Certification	N/A	N/A	N/A	N/A
Hemodialysis Technician	Board of Nephrology Examiners Nursing and Technology https://bonent.org/	N/A	N/A	N/A	N/A

Industry Certification:	Issuing Industry/Organization:	Credit Hours:	Curriculum Course #:	Course Title:	Additional Requirements:
Certified Ophthalmic Surgical Assistant	Joint Commission on Allied Health personnel in Ophthalmology	N/A	N/A	N/A	N/A