



NORTH CAROLINA COMMUNITY COLLEGE SYSTEM

Peter Hans
President

October 12, 2018

MEMORANDUM

To: Presidents
Chief Academic Officers

From: Wesley Beddard, Associate Vice President, Programs

Subject: Curriculum Course Review Committee Course Approvals

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 Fall 2018 CCRC meeting, held on October 9, 2018, 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), outcomes, 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 10/09/18*”, since only the electronic version of the standard in Colleague will be revised.

Early Childhood Administration (Certificate)(C55850)
Early Childhood Education (A55220)
Early Childhood Preschool (Certificate)(C55860)
Lateral Entry (Certificate)(C55430)
School-Age Care (Certificate)(C55450)
School-Age Education (A55440)

The State Board of Community Colleges has delegated authority to the Senior Vice President to approve curriculum standard changes involving **core course title and/or credit hour changes** resulting from CCRC action. The standard listed below has been revised as a result of CCRC approved changes to the credit hours of a core course.

Health Science: Therapeutic & Diagnostic Services/Emergency Medical Science (Diploma)(D45910)

CC18-052
Email

Presidents
Chief Academic Officers
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The following curriculum standards will be submitted to the State Board of Community College for additional action.

Biotechnology (A20100)
Emergency Medical Science (A45340)

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 Ms. Jennifer Frazelle, Director of Academic Programs at frazellej@nccommunitycolleges.edu or (919) 807-7120.

WB/jf

Attachments

c: Curriculum Course Review Committee
Dr. Lisa M. Chapman
Mr. Wesley Beddard
Ms. Jennifer Frazelle
Program Coordinators

Curriculum Course Requests Approved by the Curriculum Course Review Committee (CCRC) on October 9, 2018

Course Prefix/#	Course Title	Approved Request	Effective Semester	Curriculum Standard Core Course
BTC 288	Biotech Lab Experience	Change the prerequisite from "Take One Set: Set 1: BIO 250 and BTC 281 Set 2: BIO 250 and BTC 285 Set 3: BIO 250 and BTC 286 Set 4: BTC 270 and BTC 281 Set 5: BTC 270 and BTC 285 Set 6: BTC 270 and BTC 286" to "Take One Set: Set 1: BIO 250 and BTC 281 Set 2: BIO 250 and BTC 285 Set 3: BIO 250 and BTC 286 Set 4: BTC 250 and BTC 281 Set 5: BTC 250 and BTC 285 Set 6: BTC 250 and BTC 286"	Early Implementation Spring 2019	Biotechnology (A20100)
CTR 217	EDC Application Development	New course	Spring 2019	NA
EDU 131	Child, Family and Community	Change description	Early Implementation Spring 2019	Early Childhood Education (A55220) Early Childhood Administration (Certificate)(C55850) Early Childhood Preschool (Certificate)(C55860) Lateral Entry (Certificate)(C55430) School-Age Care (Certificate)(C55450) School-Age Education (A55440)
EDU 131A	Child, Family and Community Lab	New course	Spring 2019	NA
EMS 110	EMT	Change hours from "6-6-0-8" to "6-6-3-9"	Early Implementation Spring 2019	Emergency Medical Science (A45340) Health Science: Therapeutic & Diagnostic Services/Emergency Medical Science (D45910)
EMS 120	Advanced EMT	Change course description	Early Implementation Spring 2019	Emergency Medical Science (A45340) Health Science: Therapeutic & Diagnostic Services/Emergency Medical Science (D45910)
EMS 121	AEMT Clinical Practicum	Change course description	Early Implementation Spring 2019	Emergency Medical Science (A45340) Health Science: Therapeutic & Diagnostic Services/Emergency Medical Science (D45910)
EMS 122	EMS Clinical Practicum I	Change course description, Change corequisite from "EMS 130" to "None"	Early Implementation	Emergency Medical Science (A45340)
EMS 125	EMS Instructor Methodology	Change hours from "1-2-0-2" to "2-2-0-3"	Early Implementation	NA
EMS 130	Pharmacology	Change corequisite from "EMS 122" to "None"	Early Implementation	Emergency Medical Science (A45340)
EMS 131	Advanced Airway Management	Change course description	Early Implementation	Emergency Medical Science (A45340)
EMS 160	Cardiology I	Change course description, Change hours from "1-3-0-2" to "2-3-0-3"	Early Implementation	Emergency Medical Science (A45340)
EMS 220	Cardiology II	Change course description	Early Implementation	Emergency Medical Science (A45340)
Course Prefix/#	Course Title	Approved Request	Effective Semester	Curriculum Standard Core Course

EMS 221	EMS Clinical Practicum II	Change prerequisites from "EMS 122 and EMS 130" to "EMS 121 or EMS 122"	Early Implementation	Emergency Medical Science (A45340)
EMS 231	EMS Clinical Pract III	Change prerequisites from "EMS 130 and EMS 221" to "EMS 221"	Early Implementation	Emergency Medical Science (A45340)
EMS 241	EMS Clinical Practicum IV	Change prerequisites from "EMS 130 and EMS 231" to "EMS 231"	Early Implementation	Emergency Medical Science (A45340)
EMS 270	Life Span Emergencies	Change hours from "2-3-0-3" to "3-3-0-4"	Early Implementation	Emergency Medical Science (A45340)
EMS 280	EMS Bridging Course	Change course description	Early Implementation	NA
EMS 210	Adv Patient Assessment	Reactivate Course, Change prerequisites from: "Take One Set: Set 1: EMS 120, EMS 121, EMS 130, and EMS 131 Set 2: EMS 120, EMS 122, EMS 130, and EMS 131" to "EMS 110"	Early Implementation Spring 2019	NA
EQU 110	Intro Therapeutic Horsemanship	New course	Spring 2019	NA
EQU 115	Principles Therapeutic Horse	New course	Spring 2019	NA
EQU 125	Equine Behavior	New course	Spring 2019	NA
EQU 210	Training the Therapeutic Horse	New course	Spring 2019	NA
EQU 215	Therapeutic Horse-Teaching	New course	Spring 2019	NA
PSY 230	Biological Psychology	New course	Spring 2019	NA

CURRICULUM STANDARD

Effective Term
Spring 2017
[2017*01]

Curriculum Program Title	Early Childhood Administration (Certificate)	Program Code	C55850
Concentration	(not applicable)	CIP Code	13.0401

Curriculum Description

This curriculum prepares individuals pursuing administrating roles in diverse child care settings to effectively work with children, families and teachers. The certificate is composed of learning opportunities in developmental theories, competency and evidence-based professional knowledge, administrative skills and leadership qualities.

Course work includes foundations in early childhood education, physical/nutritional needs of young children, safety issues in the care of young children; communication and leadership skills with teachers, families and children; programming and staffing, budgeting/financial management and marketing, and rules and regulations of early childhood programs.

Employment opportunities include entrepreneurship and/or management of child development and child care programs, preschools, public and private schools, recreational centers, Early Head Start and Head Start programs, and other programs.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]

- I. **General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. **Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. **Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	AAS	Diploma**	Certificate**
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit (SHC)	64-76	36-48	12-18

*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

Major Hours

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration** *(if applicable)*. A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

Early Childhood Administration (Certificate) C55850

	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE Required Courses: EDU 119 Introduction to Early Childhood Education 4 SHC EDU 131 Child, Family and Community 3 SHC EDU 153 Health, Safety and Nutrition 3 SHC EDU 261 Early Childhood Administration I 3 SHC EDU 262 Early Childhood Administration II 3 SHC Required Subject Areas: N/A			16 SHC
B. CONCENTRATION <i>(Not applicable)</i>			
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i> ACC, ART, ASL, BIO, BUS, CHM, CIS, CSC, DAN, EDU, HEA, HIS, MUS, OST, PHS, PSY, SCI, SOC and WBL <i>Up to two semester hour credits may be selected from ACA.</i> <i>Up to three semester hour credits may be selected from the following prefixes: ARA, ASL, CHI, FRE, GER, ITA, JPN, LAT, POR, RUS and SPA.</i>			

Curriculum Standard for Teaching/Training: Early Childhood Education

Career Cluster: Education & Training **

Cluster Description: Planning, managing and providing education and training services, and related learning support services.

Pathway: Teaching/Training

Effective Term: Fall 2018 (2018*03)

Program Majors Under Pathway

Program Major / Classification of Instruction Programs (CIP) Code	Credential Level(s) Offered	Program Major Code
Early Childhood Education	CIP Code 13.1210	AAS/Diploma/Certificate A55220

Curriculum Description:

The Early Childhood Education curriculum prepares individuals to work with children from birth through eight in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school-age programs.

*Program Major Description: The following 4th paragraph is used in conjunction with the first three paragraphs of the pathway description above for documentation used to identify the **Program Major**:*

Early Childhood Education: A program that prepares individuals to promote child development and learning, work with diverse families and children, observe, document and assess to support young children and families, use content knowledge to build meaningful curriculum, and use developmentally effective approaches in collaboration with other early childhood professionals. Potential course work includes instruction in all areas of child development such as emotional/social/health/physical/language/communication, approaches to play and learning, working with diverse families, and related observations/student teaching experiences.

*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

Approved by the State Board of Community Colleges on August 16, 2012; SBCC Revised 01/18/13; Editorial Revision 02/20/13; Editorial Revision 08/21/13; CRC Revised—Electronic Only 02/05/14; Editorial Revision 03/07/14; SBCC Revised 03/16/18; CCRC Revised—Electronic Only 10/09/18.

I. General Education Academic Core

[Curriculum Requirements for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]: Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.

Teaching/Training: Early Childhood Education

Recommended General Education Academic Core	AAS	Diploma	Certificate
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Minimum General Education Hours Required:	15 SHC	6 SHC	0 SHC
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The courses listed below are recommended general education courses for this curriculum standard. Colleges may choose to include additional or alternative general education courses to meet local curriculum needs.

*Recommended certificate and diploma level curriculum courses. These courses may not be included in associate degree programs.

Communication:

COM	231	Public Speaking	U	3 SHC
ENG	111	Expository Writing	U	3 SHC

6 SHC **3-6 SHC** **Optional**

Humanities/Fine Arts:

ART	111	Art Appreciation	U	3 SHC
ART	114	Art History Survey I	U	3 SHC
ART	115	Art History Survey II	U	3 SHC
MUS	110	Music Appreciation	U	3 SHC
MUS	112	Introduction to Jazz	U	3 SHC
PHI	215	Philosophical Issues	U	3 SHC
PHI	240	Introduction to Ethics		3 SHC

3 SHC **0-3 SHC** **Optional**

Social /Behavioral Sciences:

PSY	150	General Psychology	U	3 SHC
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3 SHC **0-3 SHC** **Optional**

Natural Sciences/Mathematics:

MAT	143	Quantitative Literacy	U	3 SHC
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3 SHC **0-3 SHC** **Optional**

U indicates a Universal General Education Transfer Component (UGETC) course included in the Comprehensive Articulation Agreement. UGETC courses are guaranteed to transfer to any of the sixteen University of North Carolina senior institutions as equivalent credit within defined distribution limits.

Additional General Education for Transfer Specialty Areas 14 SHC
(Block 2 of Articulation)

English Composition (Select 1)

ENG	112	Writing/Research in the Disc	U	3 SHC
ENG	114	Prof Research & Reporting		3 SHC

Social/Behavioral Science (Select 1)

ECO	251	Prin of Microeconomics	U	3 SHC
ECO	252	Prin of Macroeconomics	U	3 SHC
HIS	111	World Civilizations I	U	3 SHC
HIS	112	World Civilizations II	U	3 SHC
HIS	131	American History I	U	3 SHC
HIS	132	American History II	U	3 SHC
POL	120	American Government	U	3 SHC
SOC	210	Introduction to Sociology	U	3 SHC

Biological Science (Select 1)

BIO	110	Principles of Biology	U	4 SHC
BIO	111	General Biology I	U	4 SHC

Natural Science (Select 1)							
AST	111	Descriptive Astronomy & Lab (AST-111A)	U	4 SHC			
AST	151	General Astronomy & Lab (AST-151A)	U	4 SHC			
CHM	151	General Chemistry I	U	4 SHC			
GEL	111	Introductory Geology	U	4 SHC			
PHY	110	Conceptual Physics & Lab (PHY-110A)	U	4 SHC			
<p><i>Refer to Blocks 1 and 2 of the Block Degree Plan for more information about required General Education in the proposed Early Childhood Education Statewide Articulation Agreement.</i></p>							

II. Major Hours. AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. Below is a description of each section under Major Hours.

- A. Technical Core.** The technical core is comprised of specific courses which are required for all Program Majors under this Curriculum Standard. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the curriculum core courses or core subject area of the AAS program.
- B. Program Major(s).** The Program Major must include a minimum of 12 semester hours credit from required subjects and/or courses. The Program Major is in addition to the technical core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from each prefix listed, with the exception of prefixes listed in the core.

Teaching/Training: Early Childhood Education	AAS	Diploma	Certificate
Minimum Major Hours Required:	49 SHC	30 SHC	12 SHC
<p>A. Technical Core: <i>Courses required for the diploma are designated with *</i></p> <p>*EDU 119 Intro to Early Child Education 4 SHC *EDU 131 Child, Family, & Community 3 SHC *EDU 146 Child Guidance 3 SHC *EDU 151 Creative Activities 3 SHC *EDU 153 Health, Safety & Nutrition 3 SHC *EDU 221 Children with Exceptional 3 SHC EDU 234 Infants, Toddlers & Twos 3 SHC EDU 280 Language & Literacy Experiences 3 SHC EDU 284 Early Child Capstone Practicum 4 SHC</p> <p>*Child Development. Select one set: EDU 144 Child Development I 3 SHC & EDU 145 Child Development II 3 SHC <i>OR</i> PSY 244 Child Development I 3 SHC & PSY 245 Child Development II 3 SHC</p>	35-41 SHC	25 SHC	

B. Transfer Specialty Area:

Required Specialty Subject Areas for students pursuing early childhood education birth to kindergarten transfer per the Early Childhood Articulation Agreement (ECAA); Not required for non-transfer students.

Students will select one specialty area**:

1. Birth to Kindergarten (B-K) Licensure Transfer

EDU 216	Foundations of Education	3 SHC
EDU 250	Teacher Licensure Preparation	3 SHC

If Praxis requirement is met by ACT/SAT scores, take any 3 SHC EDU course.

2. Early Education Non-Licensure Transfer

EDU 261	Early Childhood Admin I	3 SHC
EDU 262	Early Childhood Admin II	3 SHC

Refer to Blocks 3 and 4 of Block Degree Plan for more information about required EDU courses in the proposed Early Childhood Education Statewide Articulation Agreement.

C. Other Major Hours.

The remaining other major hours may be chosen from the following prefixes:

ACC, ANT, ART, ASL, AST, BIO, BUS, CHM, CIS, COM, CSC, CTS, DAN, DBA, DRA, ECO, EDU, ENG, FRE, GEO, GER, HEA, HIS, HUM, MUS, OST, PED, PHI, PHS, POL, PSY, REL, SCI, SOC, SPA, WBL, and WEB

Up to two semester hour credits may be selected from ACA.

Up to three semester hour credits may be selected from the following prefixes: ARA, ASL, CHI, FRE, GER, ITA, JPN, LAT, POR, RUS and SPA.

III. Other Required Hours

A college may include courses to meet graduation or local employer requirements in a certificate (0-1 SHC), diploma (0-4 SHC), or an associate in applied science (0-7 SHC) program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

****The Early Childhood Articulation Agreement licensure and non-licensure options apply to all community college students who enter into applied associate degree in Early Childhood Education programs after the effective date of the agreement (Fall 2018) and who successfully complete an Associate in Applied Science (AAS) degree in Early Childhood Education prior to transfer.**

IV. Employability Competencies

Fundamental competencies that address soft skills vital to employability, personal, and professional success are listed below. Colleges are encouraged to integrate these competencies into the curriculum by embedding appropriate student learning outcomes into one or more courses or through alternative methods.

- A. Interpersonal Skills and Teamwork** – The ability to work effectively with others, especially to analyze situations, establish priorities, and apply resources for solving problems or accomplishing tasks.
- B. Communication** – The ability to effectively exchange ideas and information with others through oral, written, or visual means.
- C. Integrity and Professionalism** – Workplace behaviors that relate to ethical standards, honesty, fairness, respect, responsibility, self-control, criticism and demeanor.
- D. Problem-solving** – The ability to identify problems and potential causes while developing and implementing practical action plans for solutions.
- E. Initiative and Dependability** – Workplace behaviors that relate to seeking out new responsibilities, establishing and meeting goals, completing tasks, following directions, complying with rules, and consistent reliability.
- F. Information processing** – The ability to acquire, evaluate, organize, manage, and interpret information.
- G. Adaptability and Lifelong Learning** – The ability to learn and apply new knowledge and skills and adapt to changing technologies, methods, processes, work environments, organizational structures and management practices.
- H. Entrepreneurship** – The knowledge and skills necessary to create opportunities and develop as an employee or self-employed business owner.

An **Employability Skills Resource Toolkit has been developed by NC-NET for the competencies listed above. Additional information is located at: <http://www.nc-net.info/employability.php>*

***The **North Carolina Career Clusters Guide** was developed by the North Carolina Department of Public Instruction and the North Carolina Community College system to link the academic and Career and Technical Education programs at the secondary and postsecondary levels to increase student achievement. Additional information about Career Clusters is located at: http://www.nc-net.info/NC_career_clusters_guide.php or <http://www.careertech.org>.*

Summary of Required Semester Hour Credits (SHC) for each credential:

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit (SHC)	64-76	36-48	12-18

CURRICULUM STANDARD

Effective Term
Spring 2017
[2017*01]

Curriculum Program Title	Early Childhood Preschool (Certificate)	Program Code	C55860
Concentration	(not applicable)	CIP Code	13.1209

Curriculum Description

This curriculum prepares individuals to work with preschool aged children (3-5) in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with preschool children.

Course work includes child growth and development, physical/nutritional needs of preschool children, safety issues in the care of preschool children; care and guidance; communication skills with families and children; design and implementation of appropriate curriculum; and other related topics.

Graduates should be prepared to plan and implement developmentally appropriate preschool programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and other preschool programs.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]

- I. **General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. **Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. **Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	AAS	Diploma**	Certificate**
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit (SHC)	64-76	36-48	12-18

*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

Major Hours

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration** *(if applicable)*. A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

Early Childhood Preschool (Certificate) C55860

	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE Required Courses: EDU 119 Introduction to Early Childhood Education 4 SHC EDU 131 Child, Family and Community 3 SHC EDU 146 Child Guidance 3 SHC EDU 153 Health, Safety and Nutrition 3 SHC Required Subject Areas: Child Development: <i>Select one</i> EDU 145 Child Development II 3 SHC PSY 245 Child Development II 3 SHC			16 SHC
B. CONCENTRATION <i>(Not applicable)</i>			
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i> ACC, ART, ASL, BIO, BUS, CHM, CIS, CSC, DAN, EDU, HEA, HIS, MUS, OST, PHS, PSY, SCI, SOC and WBL <i>Up to two semester hour credits may be selected from ACA.</i> <i>Up to three semester hour credits may be selected from the following prefixes: ARA, ASL, CHI, FRE, GER, ITA, JPN, LAT, POR, RUS and SPA.</i>			

CURRICULUM STANDARD

*Effective Term
Summer 2006
[2006*02]*

Curriculum Program Title	Lateral Entry (Certificate)	Program Code	C55430
Concentration	(not applicable)	CIP Code	13.0101

Curriculum Description

The Lateral Entry curriculum provides a course of study leading to the development of the general pedagogy competencies needed to become certified to teach by the North Carolina Department of Public Instruction.

Course work includes human growth and development, learning theory, instructional technology, school policies and procedures, home, school, and community collaborations, and classroom organization and management to enhance learning. Courses offered by partnering senior institutions include instructional methods, literacy, and diversity.

Graduates should meet the general pedagogy competencies within the first three years of teaching, including a minimum of six semester hours per school year. Additional requirements, such as pre-service training and passing the PRAXIS, are required for licensure.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]

- I. General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit (SHC)**	64-76	36-48	12-18

*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

CURRICULUM STANDARD

<i>Effective Term</i> Spring 2011 [2011*01]

Curriculum Program Title	School-Age Care (Certificate)	Program Code	C55450
Concentration	(not applicable)	CIP Code	13.1202

Curriculum Description

This curriculum prepares individuals to work with school-age children in diverse learning environments. The curriculum is specifically designed for students planning to work in public or private school-age care environments.

Course work includes child growth/development; physical/nutritional needs of school-age children; care and guidance of school-age children; and communication skills with parents and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of school-age populations.

Graduates are prepared to plan and implement developmentally appropriate activities in school-age environments. Employment opportunities include school-age teaching or school-age administration positions in child care/development programs, group leaders, before and after school programs, recreational centers and other programs that work with school-age populations.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]

- I. **General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.

- II. **Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*

- III. **Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit in Program	64-76	36-48	12-18

*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

Major Hours

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration** *(if applicable)*. A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

School-Age Care (Certificate) C55450

	AAS	Diploma	Certificate																																
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC																																
<p>A. CORE</p> <p>Required Courses:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">EDU</td> <td style="width: 10%;">131</td> <td style="width: 60%;">Child, Family, & Commun</td> <td style="width: 20%; text-align: right;">3 SHC</td> </tr> <tr> <td>EDU</td> <td>158</td> <td>Healthy Lifestyles- Youth</td> <td style="text-align: right;">3 SHC</td> </tr> <tr> <td>EDU</td> <td>235</td> <td>School-Age Dev & Program</td> <td style="text-align: right;">3 SHC</td> </tr> <tr> <td>EDU</td> <td>263</td> <td>School-Age Program Admin</td> <td style="text-align: right;">2 SHC</td> </tr> </table> <p>Required Subject Areas:</p> <p>Child Development- Select one of the following:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">EDU</td> <td style="width: 10%;">145</td> <td style="width: 60%;">Child Development II</td> <td style="width: 20%; text-align: right;">3 SHC</td> </tr> <tr> <td>PSY</td> <td>245</td> <td>Child Development II</td> <td style="text-align: right;">3 SHC</td> </tr> </table> <p>Guidance- Select one of the following:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">EDU</td> <td style="width: 10%;">146</td> <td style="width: 60%;">Child Guidance</td> <td style="width: 20%; text-align: right;">3 SHC</td> </tr> <tr> <td>EDU</td> <td>163</td> <td>Classroom Mgt & Instruct</td> <td style="text-align: right;">3 SHC</td> </tr> </table>	EDU	131	Child, Family, & Commun	3 SHC	EDU	158	Healthy Lifestyles- Youth	3 SHC	EDU	235	School-Age Dev & Program	3 SHC	EDU	263	School-Age Program Admin	2 SHC	EDU	145	Child Development II	3 SHC	PSY	245	Child Development II	3 SHC	EDU	146	Child Guidance	3 SHC	EDU	163	Classroom Mgt & Instruct	3 SHC			17 SHC
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<p>C. OTHER MAJOR HOURS</p> <p><i>To be selected from the following prefixes:</i></p> <p>ACC, ART, ASL, BIO, BUS, CHM, CIS, CSC, CTS, DAN, DBA, EDU, HEA, HIS, MUS, OST, PHS, PSY, SCI, SOC, WBL, and WEB</p> <p><i>Up to two semester hour credits may be selected from ACA.</i></p> <p><i>Up to three semester hour credits may be selected from the following prefixes: ARA, ASL, CHI, FRE, GER, ITA, JPN, LAT, POR, RUS and SPA.</i></p>																																			

CURRICULUM STANDARD

Effective Term
Fall 2018
[2018*03]

Curriculum Program Title	School-Age Education	Program Code	A55440
Concentration	(not applicable)	CIP Code	13.1202

Curriculum Description

This curriculum prepares individuals to work with children in elementary through middle grades in diverse learning environments. Students will combine learned theories with practice in actual settings with school-age children under the supervision of qualified teachers.

Course work includes child growth/development; computer technology in education; physical/nutritional needs of school-age children; care and guidance of school-age children; and communication skills with families and children. Students will foster the cognitive/language, physical/motor, social/emotional, and creative development of school-age populations.

Graduates are prepared to plan and implement developmentally appropriate programs in school-aged environments. Employment opportunities include school-age teachers in child care programs, before/after-school programs, paraprofessional positions in public/ private schools, recreational centers, and other programs that work with school-age populations.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]

- I. **General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. **Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. **Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit (SHC)	64-76	36-48	12-18

**Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.*

Major Hours

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration (if applicable).** A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work-based learning may be included in associate in applied science degree and diploma curriculum programs up to a maximum of 8 semester hours credit and in certificate programs up to a maximum of 2 semester hours credit.

School-Age Education A55440

	AAS	Diploma	Certificate																																																																																
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC																																																																																
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Curriculum Standard for Health Science: Therapeutic and Diagnostic Services

Career Cluster: Health Science **

Cluster Description: Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Pathway: Therapeutic and Diagnostic Services **Effective Term** Spring 2019

Program Majors Under Pathway

Program Major / Classification of Instruction Programs (CIP) Code	Credential Level(s) Offered	Program Major Code
Emergency Medical Science	CIP Code 51.0904	Diploma/Certificate D45910
Medical Assisting	CIP Code 51.0801	Diploma/Certificate D45920
Nurse Aide	CIP Code 51.3902	Diploma/Certificate D45970
Pharmacy Technology	CIP Code 51.0805	Diploma/Certificate D45940
Phlebotomy	CIP Code 51.1009	Diploma/Certificate D45950
Therapeutic Massage	CIP Code 51.3501	Diploma/Certificate D45960

Pathway Description:

This curriculum is designed to prepare students for careers in the Health Sciences.

Students will complete general education courses that provide a foundation for success in nursing and allied health curricula. Students may select a career pathway that will prepare them for an entry level position in health care. Courses may also provide foundational knowledge needed in the pursuit of advanced health science degrees or programs.

Graduates should qualify for an entry-level job associated with the program major such as Emergency Medical Technician (EMT) or Advanced Emergency Medical Technician (AEMT), Medical Assistant, Nurse Aide, Pharmacy Technician, Phlebotomist, or Massage Therapist dependent upon the selected program major.

*Program Major Description: Choose one of the following 4th paragraphs to use in conjunction with the first three paragraphs of the pathway description above for documentation used to identify each **Program Major**:*

In order to utilize one of the program majors below, the college must have approval to offer the primary curriculum program and file an electronic program of study (POS). (Example: A college must have approval for Medical Assisting (A45400) in order to file a POS for Medical Assisting (D45920)).

Emergency Medical Science: A program that prepares graduates to enter the workforce as Emergency Medical Technicians or Advanced Emergency Medical Technicians. The course of study provides the student an opportunity to acquire basic life support knowledge and skills by utilizing classroom instruction, practical laboratory sessions, and hospital/field internships. Students progressing through the program may be eligible to apply for both state and national certification exams. Employment opportunities include ambulance services, fire and rescue agencies, air medical services, specialty areas of hospitals, industry, educational institutions, and government agencies.

Medical Assisting: A program that prepares multi-skilled health care professionals qualified to perform administrative, clinical, and laboratory procedures. Course work includes instruction in scheduling appointments, medical records, introductory insurance procedures, computer operations; assisting with examinations/treatments, performing routine laboratory procedures, electrocardiography, and supervised medication administration. Graduates of CAAHEP-accredited medical assisting programs may be eligible to sit for the American Association of Medical Assistants'

*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.

Certification Examination to become Certified Medical Assistants. Employment opportunities include physicians' offices, health maintenance organizations, health departments, and hospitals.

Nurse Aide: The Nurse Aide curriculum prepares individuals to work under the supervision of licensed nursing professionals in performing nursing care and services for persons of all ages. Topics include growth and development, personal care, vital signs, communication, nutrition, medical asepsis, therapeutic activities, accident and fire safety, household environment and equipment management, family resources and services, and employment skills. Upon completion, the student may be eligible for listing as a Nurse Aide I and other selected Nurse Aide registries as determined by the local program of study.

Pharmacy Technology: A program that prepares individuals to assist the pharmacist in duties that a technician can legally perform and to function within the boundaries prescribed by the pharmacist and the employment agency. Course work includes preparing prescription medications, mixing intravenous solutions and other specialized medications, maintaining inventories, and packaging medications in unit-dose or med-card form. Employment opportunities include retail, hospitals, nursing homes, research laboratories, wholesale drug companies, and pharmaceutical manufacturing facilities. Graduates from the program may be eligible to take the National Certification Examination to become a certified pharmacy technician.

Phlebotomy: A program that prepares individuals to obtain blood and other specimens for the purpose of laboratory analysis. Course work includes proper specimen collection and handling, communication skills, and maintaining patient data. Graduates may qualify for employment in hospitals, clinics, physicians' offices, and other health care settings and may be eligible for national certification as phlebotomy technicians.

Therapeutic Massage: A program that prepares graduates to work in direct client care settings to provide manipulation, methodical pressure, friction and kneading of the body for maintaining wellness or treating alterations in wellness throughout the lifespan. Courses work includes content in normal human anatomy and physiology, therapeutic massage, and ethical/legal issues. Employment opportunities include hospitals/rehabilitation centers, health departments, home health, medical offices, nursing homes, spas/health/sports clubs, and private practice. Graduates may be eligible to take the Massage and Bodywork Licensing Exam or the National Certification for Therapeutic Massage and Bodywork.

I. General Education Academic Core

[Curriculum Requirements for associate degree, diploma, and certificate programs in accordance with 1 D SBCCC 400.10]: Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.

Health Science: Therapeutic and Diagnostic Services

Recommended General Education Academic Core	AAS	Diploma	Certificate																
Minimum General Education Hours Required:		6 SHC																	
<p><i>Courses listed below are recommended general education courses for this curriculum standard. Colleges may choose to include additional or alternative general education courses to meet local curriculum needs.</i></p> <p>Communication:</p> <table> <tr> <td>ENG 111</td> <td>Expository Writing</td> <td>3 SHC</td> <td></td> </tr> <tr> <td>ENG 112</td> <td>Argument-Based Research</td> <td>3 SHC</td> <td></td> </tr> <tr> <td>COM 120</td> <td>Intro Interpersonal Com</td> <td>3 SHC</td> <td></td> </tr> <tr> <td>COM 231</td> <td>Public Speaking</td> <td>3 SHC</td> <td></td> </tr> </table>	ENG 111	Expository Writing	3 SHC		ENG 112	Argument-Based Research	3 SHC		COM 120	Intro Interpersonal Com	3 SHC		COM 231	Public Speaking	3 SHC			3-6+ SHC	
ENG 111	Expository Writing	3 SHC																	
ENG 112	Argument-Based Research	3 SHC																	
COM 120	Intro Interpersonal Com	3 SHC																	
COM 231	Public Speaking	3 SHC																	

Humanities/Fine Arts:					0-3+ SHC	
HUM	115	Critical Thinking	3 SHC			
PHI	230	Introduction to Logic	3 SHC			
PHI	240	Introduction to Ethics	3 SHC			
Social /Behavioral Sciences:					0-3+ SHC	
*PSY	150	General Psychology	3 SHC			
PSY	241	Developmental Psy	3 SHC			
Natural Sciences/Mathematics:					0-3+ SHC	
BIO	165	Anatomy & Physiology I	4 SHC			
BIO	166	Anatomy & Physiology II	4 SHC			
BIO	168	Anatomy & Physiology I	4 SHC			
BIO	169	Anatomy & Physiology II	4 SHC			
BIO	163	Basic Anatomy & Physiology	5 SHC			
BIO	175	General Microbiology	3 SHC			
BIO	275	Microbiology	4 SHC			
CHM	131	Introduction to Chemistry	3 SHC			
CHM	131A	Introduction to Chemistry Lab	1 SHC			
MAT	110	Mathematical Measurement & Literacy	3 SHC			
MAT	143	Quantitative Literacy (proposed new course)	3 SHC			
PHY	110	Conceptual Physics	3 SHC			
PHY	110A	Conceptual Physics Lab	1 SHC			
<i>*Please note PSY 150 General Psychology is a required core course for the Phlebotomy Pathway.</i>						

II. Major Hours. AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. Below is a description of each section under Major Hours.

- A. Technical Core.** The technical core is comprised of specific courses which are required for all Program Majors under this Curriculum Standard. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the curriculum core courses or core subject area of the AAS program.
- B. Program Major(s).** The Program Major must include a minimum of 12 semester hours credit from required subjects and/or courses. The Program Major is in addition to the technical core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from each prefix listed, with the exception of prefixes listed in the core.

Health Science: Therapeutic and Diagnostic Services	AAS	Diploma	Certificate
Minimum Major Hours Required:		30 SHC	
A. Technical Core: (3-8 SHC)			
MED 120 Survey of Medical Terminology	2 SHC or		
MED 121 Medical Terminology I	3 SHC &		
MED 122 Medical Terminology II	3 SHC		
MED 180 CPR Certification	1 SHC or		
HSC 120 CPR	1 SHC or		
HEA 112 First Aid & CPR	2 SHC or		
HSC 110 Orientation to Health Careers	1 SHC or		
HSC 140 Transcultural Healthcare	2 SHC		

<p>B. Program Major(s): (12-22 SHC) (Select one Program Major)</p> <p>Emergency Medical Science (17 SHC)</p> <p>EMS 110 EMT 9 SHC EMS 120 Advanced EMT 6 SHC EMS 121 AEMT Clinical Practicum 2 SHC</p> <p>Medical Assisting (22 SHC)</p> <p>MED 110 Orientation to Medical Assisting 1 SHC MED 118 Medical Law and Ethics 2 SHC MED 130 Administrative Office Procedures I 2 SHC MED 131 Administrative Office Procedures II 2 SHC MED 140 Exam Room Procedures I 5 SHC MED 150 Lab Procedures I 5 SHC MED 260 Medical Clinical Practicum 5 SHC</p> <p>Nurse Aide (12-18 SHC)</p> <p>Required Courses:</p> <p>NAS 101 Nurse Aide I 6 SHC</p> <p>Required Subject Areas:</p> <p>Select a minimum of 6 SHC:</p> <p>NAS 102 Nurse Aide II 6 SHC NAS 103 Home Health Care Nurse Aide 6 SHC NAS 106 Geriatric Aide 6 SHC NAS 107 Medication Aide 1 SHC</p> <p>Pharmacy Technology(19 SHC)</p> <p>PHM 110 Introduction to Pharmacy 3 SHC PHM 111 Pharmacy Practice I 4 SHC PHM 115 Pharmacy Calculations 3 SHC PHM 118 Sterile Procedures 4 SHC PHM 120 Pharmacology I 3 SHC PHM 140 Trends in Pharmacy 2 SHC</p> <p>Phlebotomy (12 SHC)</p> <p>PBT 100 Phlebotomy Technology 6 SHC PBT 101 Phlebotomy Practicum 3 SHC PSY 150 General Psychology 3 SHC</p> <p>Therapeutic Massage (22 SHC)</p> <p>MTH 110 Fundamentals of Massage 10 SHC MTH 120 Ther Massage Applications 10 SHC MTH 125 Ethics of Massage 2 SHC</p>			
<p>C. Other Major Hours.</p> <p>To be selected from the following prefixes:</p> <p>BIO, CHM, CIS, EMS, HEA, HSC, MAT, MED, MTH, NAS, NUT, PBT, PHM, PHY, PSY, SOC, and WBL.</p> <p><i>Up to two semester hour credits may be selected from ACA.</i></p> <p><i>Up to three semester hour credits may be selected from the following prefixes: ARA, ASL, CHI, FRE, GER, ITA, JPN, LAT, POR, RUS and SPA.</i></p>			

III. Other Required Hours

A college may include courses to meet graduation or local employer requirements in a certificate (0-1 SHC), diploma (0-4 SHC), or an associate in applied science (0-7 SHC) program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

IV. Employability Competencies

Fundamental competencies that address soft skills vital to employability, personal, and professional success are listed below. Colleges are encouraged to integrate these competencies into the curriculum by embedding appropriate student learning outcomes into one or more courses or through alternative methods.

- A. Interpersonal Skills and Teamwork** – The ability to work effectively with others, especially to analyze situations, establish priorities, and apply resources for solving problems or accomplishing tasks.
- B. Communication** – The ability to effectively exchange ideas and information with others through oral, written, or visual means.
- C. Integrity and Professionalism** – Workplace behaviors that relate to ethical standards, honesty, fairness, respect, responsibility, self-control, criticism and demeanor.
- D. Problem-solving** – The ability to identify problems and potential causes while developing and implementing practical action plans for solutions.
- E. Initiative and Dependability** – Workplace behaviors that relate to seeking out new responsibilities, establishing and meeting goals, completing tasks, following directions, complying with rules, and consistent reliability.
- F. Information processing** – The ability to acquire, evaluate, organize, manage, and interpret information.
- G. Adaptability and Lifelong Learning** – The ability to learn and apply new knowledge and skills and adapt to changing technologies, methods, processes, work environments, organizational structures and management practices.
- H. Entrepreneurship** – The knowledge and skills necessary to create opportunities and develop as an employee or self-employed business owner.

*An **Employability Skills Resource Toolkit** has been developed by NC-NET for the competencies listed above. Additional information is located at: <http://www.nc-net.info/employability.php>

**The North Carolina Career Clusters Guide was developed by the North Carolina Department of Public Instruction and the North Carolina Community College system to link the academic and Career and Technical Education programs at the secondary and postsecondary levels to increase student achievement. Additional information about Career Clusters is located at: http://www.nc-net.info/NC_career_clusters_guide.php or <http://www.careertech.org>.

<i>Summary of Required Semester Hour Credits (SHC) for each credential:</i>	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit (SHC)	64-76	36-48	12-18