



NORTH CAROLINA COMMUNITY COLLEGE SYSTEM
Dr. R. Scott Ralls, President

October 29, 2012

To: Presidents
Chief Academic Officers

From: Sharon E. Morrissey, Ed. D.
Senior Vice President and Chief Academic Officer

Subject: Curriculum Review Committee Course Approvals

The Curriculum Review Committee (CRC) has the responsibility for maintaining the curriculum courses in the Combined Course Library (CCL). The approved course requests from the Fall 2012 meeting 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.

The CRC approved requests to revise the **course description, prerequisite(s), corequisite(s), and/or class/lab hours** of core courses found on the curriculum standard listed below. Please note that the only change indicated on the printed standard will be the inclusion of the statement *CRC Revised-Electronic Only 10/9/12*, since only the electronic version of the standard template will be revised.

<u>Curriculum Title</u>	<u>Curriculum Code</u>
Health Information Technology	A45360

The following curriculum standard(s) involved CRC-approved core course revisions **and additional standard revision requests** that will be reviewed for action at the November 2012 State Board meeting:

<u>Curriculum Title</u>	<u>Curriculum Code</u>
Photographic Technology	A30280
Photographic Technology/Biocommunications Photography	A3028A
Photographic Technology/Commercial Photography	A3028B
Photographic Technology/Photojournalism	A3028C
Photographic Technology/Portrait Studio Management	A3028D

CC12-027
E-mail

The State Board of Community Colleges has delegated authority to the Senior Vice President and Chief Academic Officer to approve curriculum standard changes involving **core course title and/or credit hour changes** resulting from CRC action. The standard listed below has been revised as a result of CRC-approved changes to one or more core courses:

<u>Curriculum Title</u>	<u>Curriculum Code</u>
Dental Laboratory Technology	A45280
Medical Dosimetry	D45450

Please be aware that you must implement the attached revised courses and standard 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 program. The revised standards are attached for your convenience.

Curriculum standards, curriculum courses and procedures for submitting requests to the CRC are available on the Academic Programs home page at <http://www.nccommunitycolleges.edu/programs>.

If you need assistance or clarification, please contact Ms. Jennifer Frazelle, Program Director, at frazellej@nccommunitycolleges.edu or at (919) 807-7120.

SEM/dm

Attachments

c: Curriculum Review Committee

Ms. Elizabeth Self

Dr. Van Wilson

Ms. Cynthia Liston

Ms. Jennifer Frazelle

Program Coordinators

CC12-027
E-mail

**Curriculum Course Requests Approved By the Curriculum Review Committee (CRC)
on October 9, 2012**

Course Prefix #	Title	Request	Effective Semester	Curriculum Standard Core Course
CTI 150	Mobile Computing Devices	New CCL course	Spring 2013 (2013*01)	na
CST 238	Weatherization	New CCL course	Spring 2013 (2013*01)	na
DLT 222	Advanced Ceramic Techniques	Change course hours from "2-9-0-5" to "2-6-0-4"	Spring 2013 (2013*01) Early Implement	Dental Laboratory Technology (A45280)
DOS 220	Treatment Planning I	Change corequisites from "DOS 210" to "None"	Spring 2013 (2013*01) Early Implement	Medical Dosimetry (D45450)
DOS 221	Treatment Planning II	Change prerequisites from "DOS 210, DOS 220" to "DOS 220" Change corequisites from "DOS 250, DOS 243" to "None"	Spring 2013 (2013*01) Early Implement	Medical Dosimetry (D45450)
DOS 240	Clinical Education I	Change corequisites from "DOS 210, DOS 220" to "None"	Spring 2013 (2013*01) Early Implement	Medical Dosimetry (D45450)
DOS 241	Clinical Education II	Change corequisites from "DOS 221, DOS 243, DOS 250" to "None"	Spring 2013 (2013*01) Early Implement	Medical Dosimetry (D45450)
DOS 242	Clinical Education III	Change corequisites from "DOS 230, DOS 260" to "None"	Spring 2013 (2013*01) Early Implement	Medical Dosimetry (D45450)

**Curriculum Course Requests Approved By the Curriculum Review Committee (CRC)
on October 9, 2012**

Course Prefix #	Title	Request	Effective Semester	Curriculum Standard Core Course
DOS 243	Dosimetry Physics II	Change prerequisites from "DOS 210, DOS 220" to "None" Change corequisites from "DOS 221, DOS 250" to "None" Change course title from "Dosimetry Physics II" to "Dosimetry Physics"	Spring 2013 (2013*01) Early Implement	Medical Dosimetry (D45450)
DOS 250	Dose Calculations	Change corequisites from "DOS 221 and DOS 243 to "None"	Spring 2013 (2013*01) Early Implement	Medical Dosimetry (D45450)
DOS 260	Brachytherapy Planning	Change prerequisites from "DOS 221, DOS 243 and DOS 250" to "None" Change corequisites from "DOS 230" to "None"	Spring 2013 (2013*01) Early Implement	Medical Dosimetry (D45450)
DRE 096	Integrated Reading and Writing I	New CCL course (Pilot Colleges Only)	Spring 2013 (2013*01)	na
DRE 097	Integrated Reading and Writing II	New CCL course (Pilot Colleges Only)	Spring 2013 (2013*01)	na
DRE 098	Integrated Reading and Writing III	New CCL course (Pilot Colleges Only)	Spring 2013 (2013*01)	na
DRE 099	Integrated Reading and Writing III (Co-req Option)	New CCL course (Pilot Colleges Only)	Spring 2013 (2013*01)	na

**Curriculum Course Requests Approved By the Curriculum Review Committee (CRC)
on October 9, 2012**

Course Prefix #	Title	Request	Effective Semester	Curriculum Standard Core Course
HEO 111	Heavy Equipment Operations I	New CCL course	Spring 2013 (2013*01)	na
HEO 112	Heavy Equipment Operations II	New CCL course	Spring 2013 (2013*01)	na
HEO 113	Grades and Drawings	New CCL course	Spring 2013 (2013*01)	na
HIT 210	Health Care Statistics	Change course prerequisites "from MAT 110, MAT 115, or MAT 140" to "MAT 110, MAT 115, MAT 140, or MAT 161"	Spring 2013 (2013*01) Early Implement	Health Information Technology (A45360)
HPT 116	Historical Drafting	Revised implementation term from "Fall 2013" to "Spring 2013"	Spring 2013 (2013*01)	na-current Historic Preservation Technology (A35110) in Fall 2013
HPT 230	Historic Roof Structures	Change course hours from "6-6-0-8" to " 2-6-0-4"	Fall 2013 (2013*03)	na
MCM 117	Motorcycle Dyno Tuning I	New CCL course	Spring 2013 (2013*01)	na
MCM 217	Motorcycle Dyno Tuning II	New CCL course	Spring 2013 (2013*01)	na
MTH 180	Massage Bridging Course	New CCL course	Spring 2013 (2013*01)	na
NDE 141	Surface Testing (VT/PT)	Archive CCL course	Fall 2013 (2013*03)	na

**Curriculum Course Requests Approved By the Curriculum Review Committee (CRC)
on October 9, 2012**

Course Prefix #	Title	Request	Effective Semester	Curriculum Standard Core Course
NDE 142	Visual Testing-1,2	New CCL course	Spring 2013 (2013*01)	na
NDE 143	Liquid Penetrant Testing-1,2	New CCL course	Spring 2013 (2013*01)	na
NDE 151	Electromag Test (MT/ET)	Archive CCL course	Fall 2013 (2013*03)	na
NDE 152	Magnetic Particle Testing-1,2	New CCL course	Spring 2013 (2013*01)	na
NDE 153	Eddy Current Testing-1	New CCL course	Spring 2013 (2013*01)	na
NDE 252	Eddy Curr Test-2	Change course hours from "1-2-0-2" to "1-3-0-2"	Fall 2013 (2013*03)	na
NDE 261	PDI-UT-1, UT CS Pipe Wld	Change course hours from "1-12-0-5" to "2-15-0-7"	Fall 2013 (2013*03)	na
NDE 262	PDI-UT-2, UT SS Pipe Wld	Change course hours from "1-12-0-5" to "2-15-0-7"	Fall 2013 (2013*03)	na
NDE 263	PDI-UT-3 UT TWS CS/SS	Change course hours from "1-12-0-5" to "1-6-0-3"	Fall 2013 (2013*03)	na
NDE 264	PDI-UT-8, UT WOL DM TWS	Change course hours from "1-12-0-5" to "1-6-0-3"	Fall 2013 (2013*03)	na
NDE 265	PDI-UT-10, UT DM DLS	Change course hours from "1-12-0-5" to "1-6-0-3"	Fall 2013 (2013*03)	na
NOS 150	Operating Systems-Mac	New CCL course	Spring 2013 (2013*01)	na
PHO 110	Fund of Photography	Change course description	Spring 2013 (2013*01) Early Implement	Photographic Technology (A30280) Photographic Technology/Biocommunications Photography (A3028A) Photographic Technology/Commercial Photography (A3028B) Photographic Technology/Photojournalism (A3028C) Photographic Technology/Potrait Studio Management (A3028D)
PHO 120	Intermediate Photography	Change course description	Spring 2013 (2013*01) Early Implement	na

**Curriculum Course Requests Approved By the Curriculum Review Committee (CRC)
on October 9, 2012**

Course Prefix #	Title	Request	Effective Semester	Curriculum Standard Core Course
PHO 132	Small-Format Photography	Change prerequisites from "PHO 110 and PHO 115; or PHO 110, PHO 125, and PHO 126" to "PHO 110"	Spring 2013 (2013*01) Early Implement	Photographic Technology/Biocommunications Photography (A3028A) Photographic Technology/Commercial Photography (A3028B) Photographic Technology/Photojournalism (A3028C) Photographic Technology/Portrait Studio Management (A3028D)
PHO 139	Intro to Digital Imaging	Change course description Change prerequisites from "PHO 110" to "None"	Spring 2013 (2013*01) Early Implement	na
PHO 217	Photojournalism I	Change prerequisites from "PHO 132 or PHO 223" to "PHO 224"	Spring 2013 (2013*01) Early Implement	Photographic Technology/Photojournalism (A3028C)
PHO 224	Multimedia Production	Change prerequisites from "PHO 132 or PHO 223" to "PHO 110"	Spring 2013 (2013*01) Early Implement	Photographic Technology/Biocommunications Photography (A3028A)
WEB 289	Internet Technologies Project	Change prerequisites from "WEB 230 and WEB 250" to "WEB 250"	Spring 2013 (2013*01) Early Implement	na
WLD 270	Orbital Welding TIG/Pipe	New CCL course	Spring 2013 (2013*01)	na

CURRICULUM STANDARD

Effective Term
Spring 2013
[2013*01]

Curriculum Program Title

Dental Laboratory Technology

Code

A45280

Concentration

(not applicable)

Curriculum Description

The Dental Laboratory Technology curriculum prepares individuals in the art and science of fabricating dental restorations. The dental technician fabricates dentures, partials, metal or porcelain crowns, and bridges. Technicians use specialized hand instruments and equipment and also work with various dental materials.

Course work includes in-depth studies of fabrication techniques for both fixed and removable dental prostheses. The dental laboratory technology student will be exposed to classroom, laboratory, and clinical rotation training.

Graduates may qualify to take the Recognized Graduate Examination administered by the National Board for Certification and may be employed by commercial laboratories, dental office laboratories, dental manufacturers, or as the owner of a dental laboratory.

*Curriculum Requirements**

[for associate degree, diploma, and certificate programs in accordance with 23 NCAC 02E.0204 (3)]

- 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 experience, including cooperative education, practicums, and internships, 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

[ref. 23 NCAC 02E.0204 (3)]

- 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 experience, including cooperative education, practicums, and internships, 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.

Dental Laboratory Technology A45280

	AAS	Diploma	Certificate																																	
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC																																	
<p>A. CORE <i>A diploma offered under this AAS degree requires a minimum of 12 SHC extracted from the required subject/course core of the AAS degree.</i></p> <p>Required Courses:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>DLT 111</td><td>Dental Anatomy/Physiology</td><td style="text-align: right;">5 SHC</td></tr> <tr><td>DLT 114</td><td>Dental Materials</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>DLT 116</td><td>Complete Dentures</td><td style="text-align: right;">4 SHC</td></tr> <tr><td>DLT 118</td><td>Cast Partial Dentures</td><td style="text-align: right;">6 SHC</td></tr> <tr><td>DLT 123</td><td>Crown and Bridge</td><td style="text-align: right;">6 SHC</td></tr> <tr><td>DLT 126</td><td>Advanced Crown and Bridge</td><td style="text-align: right;">4 SHC</td></tr> <tr><td>DLT 211</td><td>Advanced Complete Dentures</td><td style="text-align: right;">6 SHC</td></tr> <tr><td>DLT 215</td><td>Advanced Partial Dentures</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>DLT 217</td><td>Ceramic Techniques</td><td style="text-align: right;">5 SHC</td></tr> <tr><td>DLT 222</td><td>Advanced Ceramic Techniques</td><td style="text-align: right;">4 SHC</td></tr> <tr><td>DLT 224</td><td>Dental Lab Practice</td><td style="text-align: right;">2 SHC</td></tr> </table> <p>Required Subject Areas: None</p>	DLT 111	Dental Anatomy/Physiology	5 SHC	DLT 114	Dental Materials	3 SHC	DLT 116	Complete Dentures	4 SHC	DLT 118	Cast Partial Dentures	6 SHC	DLT 123	Crown and Bridge	6 SHC	DLT 126	Advanced Crown and Bridge	4 SHC	DLT 211	Advanced Complete Dentures	6 SHC	DLT 215	Advanced Partial Dentures	3 SHC	DLT 217	Ceramic Techniques	5 SHC	DLT 222	Advanced Ceramic Techniques	4 SHC	DLT 224	Dental Lab Practice	2 SHC	49 SHC	12 SHC	
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DLT 222	Advanced Ceramic Techniques	4 SHC																																		
DLT 224	Dental Lab Practice	2 SHC																																		
B. CONCENTRATION (Not applicable)																																				
<p>C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i></p> <p>BIO, CIS, COE, CSC, HSC, DLT, and PHS</p> <p><i>Foreign language courses (including ASL) that are not designated as approved other major hours may be included in all programs up to a maximum of 3 semester hours of credit.</i></p>																																				

CURRICULUM STANDARD

Effective Term
Fall 2011
[2011*03]

Curriculum Program Title

Health Information Technology

Code

A45360

Concentration

(not applicable)

Curriculum Description

The Health Information Technology curriculum provides individuals with the knowledge and skills to process, analyze, abstract, compile, maintain, manage, and report health information.

Students will supervise departmental functions; classify, code, and index diagnoses and procedures; coordinate information for cost control, quality management, statistics, marketing, and planning; monitor governmental and non-governmental standards; facilitate research; and design system controls to monitor patient information security.

Graduates of this program may be eligible to write the national certification examination to become a Registered Health Information Technician (RHIT). Employment opportunities include hospitals, rehabilitation facilities, nursing homes, health insurance organizations, outpatient clinics, physicians' offices, hospice, and mental health facilities.

*Curriculum Requirements**

[for associate degree, diploma, and certificate programs in accordance with 23 NCAC 02E.0204 (3)]

- 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 experience, including cooperative education, practicums, and internships, 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

[ref. 23 NCAC 02E.0204 (3)]

- 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 experience, including cooperative education, practicums, and internships, 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.

Health Information Technology A45360

	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE <i>Courses required for the diploma are designated with *</i> REQUIRED COURSES: HIT 110 Fundamentals of HIM 3 SHC * HIT 112 Health Law and Ethics 3 SHC * HIT 114 Health Data Sys/Standards 3 SHC HIT 210 Healthcare Statistics 3 SHC * HIT 211 ICD Coding 4 SHC * HIT 214 CPT/Other Coding Systems 2 SHC HIT 216 Quality Management 2 SHC HIT 280 Professional Issues 2 SHC * MED 121 Medical Terminology I 3 SHC * MED 122 Medical Terminology II 3 SHC * BIO 271 Pathophysiology 3 SHC <i>or</i> * HIT 226 Principles of Disease 3 SHC REQUIRED SUBJECT AREAS: ANATOMY & PHYSIOLOGY. Select one sequence: BIO 165 Anatomy and Physiology I 4 SHC & BIO 166 Anatomy and Physiology II 4 SHC <i>or</i> BIO 168 Anatomy and Physiology I 4 SHC & BIO 169 Anatomy and Physiology II 4 SHC MANAGEMENT. Select one: BUS 135 Principles of Supervision 3 SHC BUS 137 Principles of Management 3 SHC HIT 218 Mgmt Principles in HIT 3 SHC DIRECTED PRACTICE. Select 1-6 SHC: HIT 122 Prof Practice Exp I 1 SHC * HIT 124 Prof Practice Exp II 1 SHC * HIT 222 Prof Practice Exp III 2 SHC HIT 224 Prof Practice Exp IV 2 SHC	42-49 SHC	24 SHC	
B. CONCENTRATION (Not applicable)			

Health Information Technology A45360 (Continued)

<p>C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i></p> <p>BIO, BUS, CIS, COE, CSC, CTS, DBA, HIT, HSC, MED, OST and SEC</p> <p><i>Foreign language courses (including ASL) that are not designated as approved other major hours may be included in all programs up to a maximum of 3 semester hours of credit.</i></p>			
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CURRICULUM STANDARD

Effective Term
Spring 2013
[2013*01]

Curriculum Program Title

Medical Dosimetry (Diploma)

Code

D45450

Concentration

(not applicable)

Curriculum Description

The curriculum is designed to prepare ARRT certified radiation therapists to work in the care of cancer patients as medical dosimetrist. The curriculum provides instruction to enable the participant to become a member of the radiation oncology team.

The curriculum content includes specific coursework to provide classroom and direct clinical experience to train the student in the fundamentals of medical dosimetry practice using current technology, tools and techniques. Students will participate in studies related to the role of the medical dosimetrist and professional ethics, radiation oncology anatomy, treatment planning, dose calculations, clinical oncology, brachytherapy, dosimetry physics, radiation protection, quality assurance and computer applications.

Graduates of the program will be able to obtain employment as a medical dosimetrist and apply to the Medical Dosimetrist Certification Board (MDCB) to sit for a national certification.

Admission criteria include the completion of a bachelors degree.

*Curriculum Requirements**

[for associate degree, diploma, and certificate programs in accordance with 23 NCAC 02E.0204 (3)]

- 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 experience, including cooperative education, practicums, and internships, 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

[ref. 23 NCAC 02E.0204 (3)]

- 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 experience, including cooperative education, practicums, and internships, 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.

Medical Dosimetry (Diploma) (D45450)

	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE Required Courses: DOS 210 Introduction to Dosimetry 2 SHC DOS 220 Treatment Planning I 3 SHC DOS 221 Treatment Planning II 2 SHC DOS 230 Clinical Research Exper 2 SHC DOS 240 Clinical Education I 8 SHC DOS 241 Clinical Education II 8 SHC DOS 242 Clinical Education III 5 SHC DOS 243 Dosimetry Physics 2 SHC DOS 250 Dose Calculations 2 SHC DOS 260 Brachytherapy Planning 3 SHC		37 SHC	
B. CONCENTRATION (<i>Not applicable</i>)			
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i> CIS, COE, CSC, CTS, DOS, RAD, and RTT <i>Foreign language courses (including ASL) that are not designated as approved other major hours may be included in all programs up to a maximum of 3 semester hours of credit.</i>			