



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

August 18, 2008

**MEMORANDUM**

TO: Presidents  
Chief Academic Officers

FROM: Delores A. Parker  
Senior Vice President  
Chief Academic Officer

SUBJECT: State Board Action on August 15, 2008  
Revised Curriculum Standards

On August 15, 2008, the State Board approved the requested revisions to the following curriculum standards:

Automotive Restoration Technology (Diploma) (D60140)  
Computed Tomography and Magnetic Resonance Imaging Technology (Diploma) (D45200)\*  
Middle Grades Education (A1011A) (Associate in Arts Pre-Major)  
Surgical Technology (A45740)\*

Please be aware that you must implement the standard revision changes 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 program.

*\*Please note that the only changes to these curriculum standards (\*) involved description changes and, therefore, do not require an update to your colleges' electronic program of study.*

The revised standards are attached for your convenience. You may view all curriculum standards by visiting the Programs website:

[http://www.nccommunitycolleges.edu/Programs/curriculum\\_standards.htm](http://www.nccommunitycolleges.edu/Programs/curriculum_standards.htm)

If you have questions concerning the revised curriculum standards, please contact Dr. Judith C. Mann at 919-807-7108 or mannj@nccommunitycolleges.edu.

DAP/JF/swj

Attachments

c: Dr. Judith C. Mann  
Dr. John Pettitt  
Ms. Jennifer Frazelle  
Ms. Tracy McPherson  
Program Coordinators

CC08-180  
Email

# CURRICULUM STANDARD

Effective Term  
Spring 2009  
[2009\*01]

Curriculum Program Title Automotive Restoration Technology (Diploma) Code D60140  
Concentration (not applicable)

## *Curriculum Description*

The Automotive Restoration Technology curriculum is designed to provide individuals with the competencies needed to work in the automotive restoration industry.

The course work includes research and application of information on specific components of a wide range of classic vehicles (1900 - 1970) such as internal combustion engines, transmissions, brakes, sheet metal, upholstery, starters, generators, and related systems.

Graduates of the curriculum should qualify for entry-level employment opportunities in the automotive restoration industry.

## *Curriculum Requirements\**

- 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.

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

\*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 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.

### **Automotive Restoration Technology (Diploma) D60140**

	<b>AAS</b>	<b>Diploma</b>	<b>Certificate</b>
<b>Minimum Major Hours Required</b>	<b>49 SHC</b>	<b>30 SHC</b>	<b>12 SHC</b>
<b>A. CORE</b>		<b>29-31 SHC</b>	
<b>Required Courses:</b> ARS 101 Introduction to Automotive Restoration 2 SHC ARS 102 Automotive Restoration Research 3 SHC ARS 103 Automobile Upholstery 4 SHC ARS 104 Restoration Skills I 4 SHC ARS 108 Wood and Metal Restoration 3 SHC AUB 141 Mechanical and Electrical Components 3 SHC  <b>Required Subject Areas:</b> <b>Engines. Select one:</b> ARS 107 Automotive Engines 2 SHC AUT 116 Engine Repair 2 SHC  <b>Welding. Select one:</b> ARS 134 Automotive Restoration Welding 3 SHC AUB 134 Autobody MIG Welding 3 SHC WLD 212 Inert Gas Welding 2 SHC  <b>Drive Train. Select one:</b> ARS 131 Chassis and Drive Train 3 SHC AUT 123 Powertrain Diagn & Serv 2 SHC  <b>Electrical Systems. Select one:</b> ARS 161 Electrical Systems Fundamentals 4 SHC AUT 161 Electrical Systems 4 SHC			
<b>B. CONCENTRATION</b> ( <i>Not applicable</i> )			

**Automotive Restoration Technology A60140 (Continued)**

**C. OTHER MAJOR HOURS**

*To be selected from the following prefixes:*

ARS, AUB, AUT, BUS, CIS, COE, CSC, MEC, PHY, PSY, and WLD

*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.*

# CURRICULUM STANDARD

Effective Term  
Spring 2009  
[2009\*01]

Curriculum Program Title Computed Tomography & Magnetic Resonance Code D45200  
Concentration Imaging Technology (Diploma)  
(not applicable)

## *Curriculum Description*

The Computed Tomography and Magnetic Resonance Imaging Technology curriculum prepares the individual to use specialized equipment to visualize cross-sectional anatomical structures and aid physicians in the demonstration of pathologies and disease processes. *Individuals entering this curriculum must be registered or registry-eligible radiologic technologist, radiation therapist, or nuclear medicine technologist.*

Course work prepares the technologist to provide patient care and perform studies utilizing imaging equipment, professional communication, and quality assurance in scheduled and emergency procedures through academic and clinical studies.

Graduates may be eligible to sit for the American Registry of Radiologic Technologist Advanced-Level testing in Computed Tomography and/or Magnetic Resonance Imaging examinations. They may find employment in facilities which perform these imaging procedures.

## *Curriculum Requirements\**

- 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
<b>Total Semester Hours Credit in Program</b>	<b>64-76</b>	<b>36-48</b>	<b>12-18</b>

\*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 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.

### Computed Tomography & Magnetic Resonance Imaging Technology (Diploma) D45200

	AAS	Diploma	Certificate
<b>Minimum Major Hours Required</b>	<b>49 SHC</b>	<b>30 SHC</b>	<b>12 SHC</b>
<b>A. CORE</b>		<b>36 SHC</b>	
<b>Required Courses:</b>			
CAT 210    CT Physics and Equipment            3 SHC			
CAT 211    CT Procedures                            4 SHC			
MRI 210    MRI Physics and Equipment            3 SHC			
MRI 211    MRI Procedures                            4 SHC			
<b>Required Subject Areas:</b>			
<b>CAT Clinical Practicum. Select 11 SHC:</b>			
CAT 223    CT Clinical Practicum                    3 SHC			
CAT 224    CT Clinical Practicum                    4 SHC			
CAT 225    CT Clinical Practicum                    5 SHC			
CAT 226    CT Clinical Practicum                    6 SHC			
CAT 227    CT Clinical Practicum                    7 SHC			
CAT 228    CT Clinical Practicum                    8 SHC			
CAT 231    CT Clinical Practicum                    11 SHC			
<b>MRI Clinical Practicum. Select 11 SHC:</b>			
MRI 223    MRI Clinical Practicum                    3 SHC			
MRI 224    MRI Clinical Practicum                    4 SHC			
MRI 225    MRI Clinical Practicum                    5 SHC			
MRI 226    MRI Clinical Practicum                    6 SHC			
MRI 227    MRI Clinical Practicum                    7 SHC			
MRI 228    MRI Clinical Practicum                    8 SHC			
MRI 231    MRI Clinical Practicum                    11 SHC			
<b>B. CONCENTRATION</b> ( <i>Not applicable</i> )			

*Continued on next page*

**Computed Tomography & Magnetic Resonance Imaging Technology (Diploma) D45200**

**C. OTHER MAJOR HOURS**

*To be selected from the following prefixes:*

CAT, CIS, COE, CSC, HSC, and MRI

*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.*

**Middle Grades Education (A1011A)**  
**Associate in Arts Pre-Major**

*Under the Comprehensive Articulation Agreement and the Independent Comprehensive Articulation Agreement, this template has been developed by university and community college faculty as a blueprint for guiding community colleges in developing programs for students who intend to major in Middle Grades Education. Students who successfully complete this course of study and who meet the requirements for admission to the university are eligible to apply for admission to the major with junior standing.*

*All colleges will not offer all pre-major programs, and course selections may vary. Check college catalogs for course and program offerings.*

<p><b>General Education Core (44 SHC)</b>*Forty-four semester hours of credit in general education core courses are required as outlined on the NCCCS Curriculum Standards for Associate in Arts degree programs. The general education core includes study in the areas of humanities and fine arts, social and behavioral sciences, natural sciences and mathematics, and English composition.</p>
<p><b>English Composition (6 SHC)</b> <i>Two English composition courses are required.</i></p> <ul style="list-style-type: none"><li>English 111, Expository Writing, is required as the first composition course.</li><li>The second composition course must be selected from the following: ENG 112 Argument-Based Research (3 SHC), ENG 113 Literature-Based Research (3 SHC), or ENG 114 Prof Research &amp; Reporting (3 SHC)</li></ul>
<p><b>Humanities/Fine Arts (12 SHC)</b> <i>Four courses from three discipline areas are required.</i></p> <ul style="list-style-type: none"><li>One course must be a literature course. Select one course from the following (3 SHC): ENG 131 Introduction to Literature (3 SHC) <i>or</i> ENG 231 American Literature I (3 SHC) <i>or</i> ENG 232 American Literature II (3 SHC) <i>or</i> ENG 233 Major American Writers (3 SHC)</li><li>The following course is required and can substitute for 3 SHC of Humanities/Fine Arts: COM 231 Public Speaking (3 SHC)</li><li>One of the following courses is required (3 SHC): ART 111 Art Appreciation (3 SHC) <i>or</i> ART 114 Art History Survey I (3 SHC) <i>or</i> ART 115 Art History Survey II (3 SHC) <i>or</i> MUS 110 Music Appreciation (3 SHC)</li><li>One additional course from the following discipline areas is required: interdisciplinary humanities, literature, philosophy, and religion.</li></ul>
<p><b>Social/Behavioral Sciences (12 SHC)</b> <i>Four courses from three discipline areas are required.</i></p> <ul style="list-style-type: none"><li>One course must be a history course. Select one course from the following (3 SHC): HIS 111 World Civilizations I (3 SHC) <i>or</i> HIS 112 World Civilizations II (3 SHC) <i>or</i> HIS 114 Comparative World History (3 SHC) <i>or</i> HIS 115 Introduction to Global History (3 SHC) <i>or</i> HIS 121 Western Civilization I (3 SHC) <i>or</i> HIS 122 Western Civilization II (3 SHC)</li><li>The following courses are required (6 SHC): PSY 150 General Psychology (3 SHC) <i>choose one:</i> SOC 210 Introduction to Sociology (3 SHC) <i>or</i> SOC 225 Social Diversity (3 SHC)</li></ul> <p>One additional course from the following discipline areas is required: anthropology, economics, geography, history, political science, psychology, and sociology.</p>
<p><b>Natural Sciences/Mathematics (14 SHC)</b></p> <p><i>Natural Sciences (8 SHC):</i></p> <ul style="list-style-type: none"><li>The following courses are required: <i>choose one:</i> BIO 110 Principles of Biology (4 SHC) <i>or</i> BIO 111 General Biology I (4 SHC) <i>choose one:</i> CHM 131 Intro to Chemistry (3 SHC) <i>and</i> CHM 131A Intro to Chemistry Lab (1 SHC) <i>or</i> CHM 135 Survey of Chemistry I (4 SHC) <i>or</i> CHM 151 General Chemistry I (4 SHC) <i>or</i> PHY 110 Conceptual Physics (3 SHC) <i>and</i> PHY 110A Conceptual Physics Lab (1 SHC) <i>or</i> PHY 151 College Physics I (4 SHC)</li></ul>

*Mathematics (6 SHC):*

- The following course is required: CIS 110 Introduction to Computers (3 SHC)
- One of the following courses is required: MAT 141 Mathematical Concepts I (3 SHC) or MAT 161 College Algebra (3 SHC)(or higher)

Note: For students choosing mathematics as one of the concentrations, you will need MAT 171 Precalculus Algebra or higher

*A college may award a diploma under the A1010x for completion of the entire general education core, as outlined, with a grade of "C" or better in each course.*

**Other Required Hours (20-21 SHC)\*** One semester hour of credit may be included in a sixty-five semester hour credit associate in arts program. The transfer of the 65<sup>th</sup> hour is not guaranteed.

- At certain UNC institutions, EDU 216 Foundations in Education and EDU 221 Children with Exceptional may fulfill major requirements; at a majority of institutions the courses will transfer as free electives. Students should check with the university to which they intend to transfer for the local transfer policy regarding EDU 216 and EDU 221.
- It is recommended that within the 20 semester hours of "Other Required Hours" pre-education students in Middle Grades Education select courses that will help meet two of the four corollary studies areas (Mathematics, Social Studies, Science, and Language Arts) in order to be consistent with NC licensure areas. These courses should be selected in conjunction with the requirements at each university, since available academic concentrations and their specific requirements differ on each campus. Some institutions of higher education require that the two areas be Science and Mathematics or Social Studies and Language Arts. Others allow the student to choose any two of the four areas.
- It is recommended the pre-major Middle Grades Education students **not** choose additional courses in Art, Communications, Foreign Languages, Music, or Physical Education. These courses will not assist students in completing their major.

- **Recommended Courses for Typical Academic Concentrations**

**Language Arts** Up to 12 SHC from the following:

ENG 231 American Lit. I or ENG 232 American Lit. II; ENG 241 British Lit. I or ENG 242 British Lit. II; ENG 261 World Lit. I or ENG 262 World Lit. II; or ENG 265 Thematic World Lit. I or ENG 266 Thematic World Lit. II; or ENG 272 Southern Lit.; ENG 273 African-Amer. Lit.; ENG 274 Lit. by Women

**Mathematics** Up to 12 SHC from the following:

MAT 151 Stat. I, MAT 151A Statist. I Lab. or MAT 155 Statist. Analy., MAT 155A Statist. Analy. Lab; MAT 161 College Algebra; MAT 162 College Trigonometry; MAT 167 Discrete Mathematics; MAT 172 Precalculus Trigonometry; MAT 172A Precalculus Trigonometry Lab, MAT 175 Precal., MAT 175A Precalculus Lab; MAT 271 Calculus I; MAT 272 Calculus II

**Science** Up to 12 SHC from the following:

AST 111 Descriptive Astronomy; AST 151 General Astronomy I; AST 152 General Astronomy II  
BIO 110 Principles of Biology or BIO 111 General Biology I and BIO 112 General Biology II;  
BIO 120 Intro. Botany or BIO 130 Intro. Zoo. or BIO 140 Environ. Bio. and BIO 140A Environ. Bio. Lab;  
BIO 143 Field Biology Mini course; BIO 145 Ecology; BIO 146 Regional Natural History; BIO 221 Botany I; BIO 222 Botany II

CHM 131 Introduction to Chemistry; CHM 151 General Chemistry I; CHM 152 General Chemistry II

GEL 111 Introductory Geology; GEL 230 Environmental Geology

PHY 151 College Physics I; PHY 152 College Physics II

**Social Studies** Up to 12 SHC from the following:

ECO 151 Survey of Economics or ECO 251 Prin. Of Microeconomics

GEO 110 Intro. To Geography; GEO 111 World Regional Geography; or GEO 121 North Carolina Geography

HIS 111 World Civilizations I and HIS 112 World Civilizations II or

HIS 121 Western Civilization I and HIS 122 Western Civilization II;

HIS 131 American History I and HIS 132 American History II

POL 110 Intro Political Science; POL 120 American Government; POL 130 State & Local Government;

POL 210 Comparative Government; POL 220 International Relations

PSY 241 Develop. Psychology; PSY 243 Child Psychology; PSY 246 Adolescent Psychology;

PSY 263 Educational Psychology ; PSY 281 Abnormal Psychology

SOC 210 Intro to Sociology; SOC 213 Sociology of the Family; SOC 215 Group Processes;

SOC 220 Social Problems; SOC 230 Race & Ethnic Relations

**Total Semester Hours Credit (SHC) in Program: 64-65**

**\*Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.**

**Application to a University**

*Admission application deadlines vary; students must meet the deadline for the senior institution to which they plan to transfer.*

*Upon successful completion of the associate degree, students who meet the requirements outlined in this pre-major articulation agreement will be eligible to be considered for admission as juniors to the signatory institutions offering the baccalaureate degree as listed at [www.northcarolina.edu/content.php/aa/planning/traditional.htm](http://www.northcarolina.edu/content.php/aa/planning/traditional.htm) or in the NC Independent Colleges and Universities Handbook which is available online at [www.ncicu.org/publications](http://www.ncicu.org/publications). Students are encouraged to contact the senior institution to confirm degree offerings.*

***Admission to the Major***

*Grade point average requirements vary, and admission is competitive across the several programs in Middle Grades Education. Minimum statewide requirements are:*

- 1. Minimum 2.5 grade point average on a 4.0 scale.*
- 2. Satisfactory passing scores as established by the State Board of Education on PRAXIS I PPST-Reading; PPST-Writing; PPST-Math.*

*Receiving institutions may have additional requirements, prerequisites, and/or proficiencies. Since these vary at receiving institutions, students should review the admission to teacher education requirements for the institutions they anticipate attending.*

# CURRICULUM STANDARD

Effective Term  
Spring 2009  
[2009\*01]

Curriculum Program Title

**Surgical Technology**

Code

**A45740**

Concentration

**(not applicable)**

## *Curriculum Description*

The Surgical Technology curriculum prepares individuals to assist in the care of the surgical patient in the operating room and to function as a member of the surgical team.

Students will apply theoretical knowledge to the care of patients undergoing surgery and develop skills necessary to prepare supplies, equipment, and instruments; maintain aseptic conditions; prepare patients for surgery; and assist surgeons during operations.

Graduates of accredited programs will be eligible to apply to take the national certification exam for Surgical Technologists which is administered by the National Board of Surgical Technology and Surgical Assisting. Employment opportunities include labor/delivery/emergency departments, inpatient/outpatient surgery centers, dialysis units/facilities, physicians' offices, and central supply processing units.

## *Curriculum Requirements\**

- 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.

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

\*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 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.

### **Surgical Technology A45740**

	<b>AAS</b>	<b>Diploma</b>	<b>Certificate</b>
<b>Minimum Major Hours Required</b>	<b>49 SHC</b>	<b>30 SHC</b>	<b>12 SHC</b>
<b>A. CORE</b> <i>Courses required for the diploma are designated with *</i>  <b>Required Courses:</b> <ul style="list-style-type: none"> <li>* SUR 110 Introduction to Surgical Technology 3 SHC</li> <li>* SUR 111 Perioperative Patient Care 7 SHC</li> <li>* SUR 122 Surgical Procedures I 6 SHC</li> <li>* SUR 123 SUR Clinical Practice I 7 SHC</li> <li>* SUR 134 Surgical Procedures II 5 SHC</li> <li>* SUR 135 SUR Clinical Practice II 4 SHC</li> <li>* SUR 137 Professional Success Preparation 1 SHC</li> <li>SUR 210 Advanced SUR Clinical Practice 2 SHC</li> <li>SUR 211 Advanced Theoretical Concepts 2 SHC</li> </ul> <b>Required Subject Areas:</b> None	<b>37 SHC</b>	<b>33 SHC</b>	
<b>B. CONCENTRATION</b> ( <i>Not applicable</i> )			
<b>C. OTHER MAJOR HOURS</b> <i>To be selected from the following prefixes:</i>  BIO, BUS, CIS, COE, CSC, ECO, ENG, HSC, PSY, SOC, STP, and SUR  <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>			