



**NORTH CAROLINA COMMUNITY COLLEGE SYSTEM**  
*H. Martin Lancaster, President*

January 26, 2007

**MEMORANDUM**

TO: Presidents  
Chief Academic Officers

FROM: Delores A. Parker, Vice President  
Academic and Student Services

SUBJECT: State Board Action on January 19, 2007  
New and Revised Curriculum Standards

The State Board of Community Colleges approved the following new curriculum standards on January 19, 2007:

Associate in Arts/Information Systems (A1010V)  
Associate in Arts/Mass Communication/Journalism (A1010W)  
Zoo and Aquarium Science Technology (A20220)

The State Board of Community Colleges also approved the requested revisions to the following curriculum standards:

Automotive Restoration Technology (Diploma) (D60140)  
Civil Engineering Technology (A40140)

The new and revised standards are attached for your convenience. You may also view the details of the new curriculum standards and the changes that occurred in the revised 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 new or revised standards, please contact Dr. Judith Mann at 919-807-7108 or [mannj@nccommunitycolleges.edu](mailto:mannj@nccommunitycolleges.edu).

DAP/JF/swj  
Attachments

c: Dr. Judith Mann  
Dr. Edith Lang  
Ms. Jennifer Frazelle  
Ms. Glynda Lawrence  
Program Coordinators

CC07-022  
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## **Pre-Major Associate in Arts Articulation Agreement: Information Systems (A1010V)**

*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 Information Systems. Students who successfully complete this course of study and who meet the requirements for admission to the university may be 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.*

**General Education Core (44 SHC)\*** 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.

**English Composition (6 SHC)** *Two English composition courses are required.*

- English 111, Expository Writing, is required as the first composition course.
- The second composition course must be selected from the following:

ENG 112	Argument-Based Research (3 SHC)
ENG 113	Literature-Based Research (3 SHC)
ENG 114	Professional Research and Reporting (3 SHC)

**Humanities/Fine Arts (12 SHC)\*\*** *Four courses from three discipline areas are required.*

- One course must be a literature course.
- Three additional courses from the following discipline areas are required: art, dance, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion.

**Social/Behavioral Sciences (12 SHC)** *Four courses from three discipline areas are required.*

- One course must be a history course
- The following course is required (3 SHC):

ECO 251	Principles of Microeconomics (3 SHC)
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- Two additional courses from the following discipline areas are required: anthropology, economics, geography, history, political science, psychology, and sociology.  
The following courses are recommended:

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

**Natural Sciences/Mathematics (14-16 SHC)**

*Natural Sciences (8 SHC):* Two courses from the biological and physical science disciplines, including accompanying laboratory work, are required.

*Mathematics (6-8 SHC):*

- The following courses are required:

<i>choose one:</i>	
MAT 161	College Algebra (3 SHC) <i>or</i>
MAT 171	Pre-calculus Algebra (3 SHC) <i>or</i>
MAT 175	Pre-calculus (4 SHC)
<i>choose one:</i>	
MAT 263	Brief Calculus (3 SHC) <i>or</i>
MAT 271	Calculus I (4 SHC)

**Other Required Hours (20 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.

- The following courses are required (14 SHC):
  - ACC 120 Principles of Financial Accounting (4 SHC)
  - ACC 121 Principles of Managerial Accounting (4 SHC)
  - CIS 110 Introduction to Computers (3 SHC) *or* CTS 115 Info Sys Business Concept (3 SHC)
  - ECO 252 Principles of Macroeconomics (3 SHC)
- One of the following is required (3 SHC):
  - BUS 228 Business Statistics (3 SHC) *or*
  - MAT 151 Statistics I (3 SHC) *or*
  - MAT 155 Statistical Analysis (3 SHC)
- Three additional hours of approved college transfer courses are required.
  - The following courses are recommended:
    - BUS 110 Introduction to Business (3 SHC)
    - BUS 115 Business Law I (3 SHC)

**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.**
- \*\* **3 SHC in Speech/Communication may be substituted for 3 SHC in Humanities/Fine Arts. Speech/Communication may not substitute for the literature requirement.**

#### ***Application to a University***

*Admission application deadlines vary; students must meet the deadline for the university 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 universities 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). 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 Information Systems.*

**Pre-Major Associate in Arts Articulation Agreement: Mass Communication/Journalism  
(A1010W)**

*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 Mass Communication/Journalism. 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.*

**General Education Core (44 SHC)\*** 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.

**English Composition (6 SHC)** *Two English composition courses are required.*

- English 111, Expository Writing, is required as the first composition course.
- The second composition course must be selected from the following:
  - ENG 112 Argument-Based Research (3 SHC)
  - ENG 113 Literature-Based Research (3 SHC)
  - ENG 114 Professional Research and Reporting (3 SHC)

**Humanities/Fine Arts (12 SHC\*\*)** *Four courses from three discipline areas are required.*

- One course must be a literature course.
- Three additional courses from the following discipline areas are required: art, dance, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One of these courses must be from fine arts and one from humanities.

**Social/Behavioral Sciences (12 SHC)** *Four courses from three discipline areas are required.*

- One course must be a history course.
- The following course is required (3 SHC):
  - PSY 150 General Psychology (3 SHC)
- Two courses from the following discipline areas are required, to include at least one additional discipline: anthropology, economics, geography, history, political science, psychology, and sociology. The following courses are recommended:
  - SOC 210 Intro to Sociology (3 SHC) *or* SOC 225 Social Diversity (3 SHC)

**Natural Sciences/Mathematics (14 SHC)**

*Natural Sciences (8 SHC):*

- Two courses from the biological and physical science disciplines, including accompanying laboratory work, are required.

*Mathematics (6 SHC):* Two courses are required.

- One course must be in introductory mathematics (college algebra, trigonometry, calculus, etc.)
  - The second course may be a higher level mathematics course or may be selected from among other quantitative subjects, such as computer science (CIS) and statistics (MAT).
    - The following course is recommended to meet the second mathematics requirement:
      - CIS 110 Introduction to Computers (3 SHC)

**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.

- The following courses are required (6 SHC):  
COM 150 Intro. to Mass Communication (3 SHC)  
COM 231 Public Speaking (3 SHC)
- 14 additional hours of approved college transfer courses are required.

The following courses are recommended:

HUM 160 Introduction to Film (3 SHC)  
JOU 110 Intro to Journalism (3 SHC)  
JOU 216 Writing for Mass Media (3 SHC)  
JOU 217 Feature/Editorial Writing (3 SHC)  
JOU 242 Intro to Multimedia (3 SHC)  
Foreign Languages (6 SHC) sequential courses

**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.**
- \*\* **3 SHC in Speech/Communication may be substituted for 3 SHC in Humanities/Fine Arts. Speech/Communication may not substitute for the literature requirement.**

#### ***Application to a University***

*Admission application deadlines vary; students must meet the deadline for the university 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 universities 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). 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 Mass Communication/Journalism.*

## CURRICULUM STANDARD

<i>Effective Term</i> Fall 2007 [2007*03]
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Curriculum Program Title	<b>Zoo and Aquarium Science Technology</b>	Code	<b>A20220</b>
Concentration	<b>(not applicable)</b>		

### ***Curriculum Description***

The Zoo and Aquarium Science Technology curriculum prepares students for employment in zoological parks, aquaria, or other settings requiring animal care, breeding, education/conservation, or health of exotic animals.

Course work emphasizes anatomy, physiology, reproduction, behavior, and nutrition of exotic animals that are on exhibit for education and/or conservation purposes or for animals maintained for medical purposes. Students have practical experiences with basic husbandry skills, animal handling/capture/restraint skills, the ability to detect illness, and creative design of exhibits.

Graduates of the curriculum should qualify for entry-level employment opportunities in a variety of settings, including zoos, aquaria, nature science centers, and animal research facilities.

### ***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 a degree or diploma program up to a maximum of 8 semester hours and in a certificate program up to a maximum of 2 semester hours. *(see back of page for Major Hours requirements)*
  
- III. **Other Required Hours.** A college may require other subjects or courses to complete graduation requirements. These requirements may include electives, orientation, study skills courses, or other graduation requirements.

	<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>

## *Major Hours*

<p><b>A. Core.</b> 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.</p> <p><b>B. Concentration</b> (<i>if applicable</i>). 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.</p> <p><b>C. Other Major Hours.</b> 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 experience, including cooperative education, practicums, and internships, 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.</p>																																																									
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<p><b>A. CORE</b></p> <p><b>Required Courses:</b></p> <table border="0" style="width: 100%;"> <tr><td>BIO 111</td><td>General Biology I</td><td style="text-align: right;">4 SHC</td></tr> <tr><td>BIO 112</td><td>General Biology II</td><td style="text-align: right;">4 SHC</td></tr> <tr><td>BIO 242</td><td>Natural Resource Cons</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>ZAS 110</td><td>Intro to Zookeeping</td><td style="text-align: right;">4 SHC</td></tr> <tr><td>ZAS 112</td><td>Intro to Zoo Science</td><td style="text-align: right;">1 SHC</td></tr> <tr><td>ZAS 113</td><td>Animal Exhibits</td><td style="text-align: right;">1 SHC</td></tr> <tr><td>ZAS 114</td><td>Species Survival Plans</td><td style="text-align: right;">1 SHC</td></tr> <tr><td>ZAS 115</td><td>Animal Welfare Issues</td><td style="text-align: right;">1 SHC</td></tr> <tr><td>ZAS 130</td><td>Introduction to Ethology</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>ZAS 131</td><td>Applied Animal Psych</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>ZAS 232</td><td>Zoo Invertebrates</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>ZAS 234</td><td>Zoo Herpetology</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>ZAS 235</td><td>Zoo Ornithology</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>ZAS 236</td><td>Zoo Mammalogy</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>COE 112</td><td>Co-op Work Exp I</td><td style="text-align: right;">2 SHC</td></tr> <tr><td>COE 122</td><td>Co-op Work Exp II</td><td style="text-align: right;">2 SHC</td></tr> <tr><td>COE 132</td><td>Co-op Work Exp III</td><td style="text-align: right;">2 SHC</td></tr> <tr><td>COE 212</td><td>Co-op Work Exp IV</td><td style="text-align: right;">2 SHC</td></tr> </table> <p><b>Required Subject Areas:</b> None</p>	BIO 111	General Biology I	4 SHC	BIO 112	General Biology II	4 SHC	BIO 242	Natural Resource Cons	3 SHC	ZAS 110	Intro to Zookeeping	4 SHC	ZAS 112	Intro to Zoo Science	1 SHC	ZAS 113	Animal Exhibits	1 SHC	ZAS 114	Species Survival Plans	1 SHC	ZAS 115	Animal Welfare Issues	1 SHC	ZAS 130	Introduction to Ethology	3 SHC	ZAS 131	Applied Animal Psych	3 SHC	ZAS 232	Zoo Invertebrates	3 SHC	ZAS 234	Zoo Herpetology	3 SHC	ZAS 235	Zoo Ornithology	3 SHC	ZAS 236	Zoo Mammalogy	3 SHC	COE 112	Co-op Work Exp I	2 SHC	COE 122	Co-op Work Exp II	2 SHC	COE 132	Co-op Work Exp III	2 SHC	COE 212	Co-op Work Exp IV	2 SHC	<b>49 SHC</b>  <b>45</b>	<b>30 SHC</b>  <b>NR</b>	<b>12 SHC</b>
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<p><b>B. CONCENTRATION</b> (<i>Not applicable</i>)</p>																																																									
<p><b>C. OTHER MAJOR HOURS</b></p> <p><i>To be selected from the following prefixes:</i> ACM, BIO, BUS, CIS, COE, PED, PSY **SPA and ZAS</p> <p><i>** This prefix is limited to a maximum of 3 SHC</i></p>																																																									

# CURRICULUM STANDARD

*Effective Term*  
*Summer*  
*2007*  
*[2007\*02]*

Curriculum Program Title	<b>Civil Engineering Technology</b>	Code	<b>A40140</b>
Concentration	<b>(not applicable)</b>		

## ***Curriculum Description***

The Civil Engineering Technology curriculum provides the application of relevant theory of engineering needed by technicians to carry out planning and supervisory tasks in the construction of transportation systems, residential and commercial buildings, bridges, dams, and water and wastewater treatment systems.

Course work includes the communication and computational skills required to support the fields such as materials testing, structures, estimating, project management, hydraulics, environmental technology, and surveying. Additional coursework will cover the operation of computers and application software including computer-aided drafting.

Graduates should qualify for technician-level jobs with both public and private engineering, construction, and surveying agencies.

## ***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 a degree or diploma program up to a maximum of 8 semester hours and in a certificate program up to a maximum of 2 semester hours. *(see back of page for Major Hours requirements)*
- III. **Other Required Hours.** A college may require other subjects or courses to complete graduation requirements. These requirements may include electives, orientation, study skills courses, or other graduation requirements.

	<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>

## *Major Hours*

<p><b>A. Core.</b> 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.</p> <p><b>B. Concentration</b> <i>(if applicable)</i>. 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.</p> <p><b>C. Other Major Hours.</b> 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 experience, including cooperative education, practicums, and internships, 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.</p>	<b>Civil Engineering Technology A40140</b>																								
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<p><b>Required Courses:</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="padding-left: 20px;">CIV 111 Soils and Foundations</td><td style="text-align: right; padding-right: 20px;">3 SHC</td></tr> <tr><td style="padding-left: 20px;">CIV 210 Engineering Materials</td><td style="text-align: right; padding-right: 20px;">2 SHC</td></tr> <tr><td style="padding-left: 20px;">CIV 211 Hydraulics and Hydrology</td><td style="text-align: right; padding-right: 20px;">3 SHC</td></tr> <tr><td style="padding-left: 20px;">CIV 230 Construction Estimating</td><td style="text-align: right; padding-right: 20px;">3 SHC</td></tr> <tr><td style="padding-left: 20px;">CIV 240 Project Management</td><td style="text-align: right; padding-right: 20px;">3 SHC</td></tr> <tr><td style="padding-left: 20px;">SRV 110 Surveying I</td><td style="text-align: right; padding-right: 20px;">4 SHC</td></tr> <tr><td style="padding-left: 20px;">SRV 111 Surveying II</td><td style="text-align: right; padding-right: 20px;">4 SHC</td></tr> </table> <p><b>Required Subject Areas:</b></p> <p><b>Statics/Strength of Materials. Select one:</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="padding-left: 20px;">CIV 110 Statics/Strength of Materials</td><td style="text-align: right; padding-right: 20px;">4 SHC</td></tr> <tr><td style="padding-left: 20px;">MEC 250 Statics and Strength of Materials</td><td style="text-align: right; padding-right: 20px;">5 SHC</td></tr> </table> <p><b>Intro to Technology. Select one:</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="padding-left: 20px;">ARC 111 Intro to Arch Technology</td><td style="text-align: right; padding-right: 20px;">3 SHC</td></tr> <tr><td style="padding-left: 20px;">EGR 115 Intro to Technology</td><td style="text-align: right; padding-right: 20px;">3 SHC</td></tr> </table>	CIV 111 Soils and Foundations	3 SHC	CIV 210 Engineering Materials	2 SHC	CIV 211 Hydraulics and Hydrology	3 SHC	CIV 230 Construction Estimating	3 SHC	CIV 240 Project Management	3 SHC	SRV 110 Surveying I	4 SHC	SRV 111 Surveying II	4 SHC	CIV 110 Statics/Strength of Materials	4 SHC	MEC 250 Statics and Strength of Materials	5 SHC	ARC 111 Intro to Arch Technology	3 SHC	EGR 115 Intro to Technology	3 SHC			
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<b>B. CONCENTRATION</b> <i>(Not applicable)</i>																									
<p><b>C. OTHER MAJOR HOURS</b></p> <p><i>To be selected from the following prefixes:</i></p> <p>CIS, CIV, COE, CSC, CST, DFT, EGR, GIS, MAT, MEC, PHY, **SPA, and SRV</p> <p><i>** This prefix is limited to a maximum of 3 SHC</i></p>																									

# CURRICULUM STANDARD

*Effective Term*  
**Summer 2007**  
 [2007\*02]

Curriculum Program Title	<b>Automotive Restoration Technology (Diploma)</b>	Code	<b>D60140</b>
Concentration	<b>(not applicable)</b>		

## ***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 a degree or diploma program up to a maximum of 8 semester hours and in a certificate program up to a maximum of 2 semester hours. *(see back of page for Major Hours requirements)*
  
- III. **Other Required Hours.** A college may require other subjects or courses to complete graduation requirements. These requirements may include electives, orientation, study skills courses, or other graduation requirements.

	<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>

## *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 experience, including cooperative education, practicums, and internships, 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.

### 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>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 131 Drive Trains 3 SHC  <b>Electrical Systems. Select one:</b> ARS 161 Electrical Systems Fundamentals 4 SHC AUT 161 Electrical Systems 4 SHC		<b>30-31 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> ARS, AUB, AUT, BUS, CIS, COE, CSC, MEC, PHY, PSY, **SPA, and WLD  <i>** This prefix is limited to 3 SHC</i>			