

## **Updates/Changes to the 2008-2010 Catalog and Student Handbook**

The Career Studies Certificate in Diesel Mechanics listed on page 72 will not be offered in the 2008-2009 academic year.

The Career Studies Certificate in Basic Esthetician listed on page 72 will not be offered in the 2008-2009 academic year.

The Career Studies Certificate in Child Care listed on page 72 will not be offered in the 2008-2009 academic year.

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The Advanced Manufacturing and Packaging Technology Technical (AMPT) Studies Degree program will be discontinued effective immediately (5-27-09). We will complete program sequence for the students currently enrolled in the degree. The Certificate program and Career Studies Certificate will continue in their present form. New students beginning in the Fall 2009 semester are to be advised that only the Certificate level will be provided henceforth.

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**On Page 74 current catalog states:**

***Welding***

DRF 166 Welding Blueprint Reading	2
WEL 117 Oxy Fuel Welding and Cutting	3
WEL 123 Shielded Metal Arc Welding-Basic -or- WEL 124 Shielded Metal Arc Welding-Advanced	3
WEL 126 Pipe Welding I	3
WEL 130 Inert Gas Welding I	3
WEL 145 Welding Metallurgy	3
	17

New Curriculum below was approved on 4/29/08

DRF 166 Welding Blueprint Reading	2
WEL 117 Oxy Fuel Welding and Cutting	3
WEL 123 Shielded Metal Arc Welding-Basic -or- WEL 124 Shielded Metal Arc Welding-Advanced	3-4
WEL 130 Inert Gas Welding I	3
WEL 135 Inert Gas Welding II	2
WEL 145 Welding Metallurgy	3
	16-17

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**On Page 63 Under Administrative Support Certificate the current catalog reads:**

**Program Requirements:** The curriculum requires the student to complete office skills courses, including communications and mathematics, needed to function in an office. Upon completion of the program and maintaining an overall GPA of at least 2.0 in all applicable classes, the student will be awarded the Clerical Support Certificate.

The last sentence should read: Upon completion of the program and maintaining an overall GPA of at least 2.0 in all applicable classes, the student will be awarded the Administrative Support Certificate.

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**On Page 63 the Advanced Health Care Certificate currently reads:**

**Second Semester**

BIO 142 Anatomy and Physiology II	4
PSY 230 Developmental Psychology	3
HLT 144 Medical Terminology II	3
HLT 138 Principles of Nutrition	1
HLT 145 Ethics in HLT Care	2
NUR 135 Drug Dosage Calculations	1
	14

***Minimum credit hours for certificate: 38***

Change to read:

NUR 135 Drug Dosage Calculations      –or-  
HLT 250 General Pharmacology      1-3 credits

***Minimum credit hours for certificate: 38-40***

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**Addendum to Catalog**

Following the section “Transferring from Other Colleges” on Page 17

**Transfer Credits for Military Training**

DSLCC welcomes students who wish to transfer credits from previous military training. Students must obtain an official copy of their military transcript from either the Community College of the Air Force (CCAF), or the Army/American Council on Education Registry Transcript System (AARTS at [aarts.army.mil](http://aarts.army.mil)) or the Sailor/Marine Council on Education Registry Transcript (SMART at [smart.navy.mil](http://smart.navy.mil)) which will detail their previous training and the American Council on Education (ACE) recommendation on the number of transfer credits that they should be awarded for this training. In most cases, students will receive a minimum of 2 credits for HLT 106 – First Aid and Safety and 2 credits of PED electives for their basic training. Students who request that credit(s) be awarded for program-specific knowledge, skills and/or experience that they have previously acquired will require the approval of the appropriate program head and/or division dean. After approval is granted, the student may then discuss with an academic advisor how the credit(s) may apply toward the completion of a certificate or associate degree.

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**On Page 51 the Business Management Degree currently reads:**

**Second Semester (Spring)**

BUS 122 Business Mathematics II	3
BUS 200 Principles of Supervision	3
ENG 112 College Composition II	3
HLT/PED Elective	1
HUM*** Elective <sup>2</sup>	3
SPD 110 Intro. to Speech Comm.	<u>3</u>
	16

Change to read:

BUS 200 Principles of Management 3

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**On Page 50 the Administration of Justice with specialization in Forensic Science Degree currently reads:**

**Second Semester (Spring)**

ADJ 173 Forensic Photography I	3
ADJ *** ADJ For. Science Elective*	3
ENG 112 College Composition II	3
ITE 115 Basic Computer Literacy	3
HLT/PED Requirement	1
SOC 263 Social Problems	<u>3</u>
	16

Change to read:

**SOC 268** Social Problems 3

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Beginning with the Fall 2008 semester Speech and Drama (SPD) courses have been changed to Communication Studies and Theatre (CST).

Beginning with the Fall 2008 semester Health Information Technology (HIT) courses have been changed to Health Information Management (HIM).

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**Throughout the 2008-2010 catalog, ENG 111 is referred to as English Composition I:**

It should read College Composition I.

Throughout the 2008-2010 catalog, ENG 112 is referred to as English Composition I:

It should read College Composition II.

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**On Page 45 the Education Degree currently reads:**

**Third Semester (Fall)**

ENG 241 Survey of American Lit I -or-	
ENG 243 Survey of English Lit I	3
ECO 201 Principles of Economics I	3
HLT *** Elective	1
HUM*** Elective <sup>1</sup>	3
ITE 115 Basic Computer Literacy	3
PSY 200 Principles of Psychology	<u>3</u>
	14-16

Instead of 14-16, it should read 16.

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**On Page 46 the General Studies Degree currently reads:**

**Third Semester (Fall)**

ENG 241 Survey of American Lit I -or-	
ENG 243 Survey of English Lit I	3
HLT *** Elective	1
HUM*** Elective <sup>1</sup>	3
ITE 115 Basic Computer Literacy	3
SOC *** Electives <sup>1</sup>	<u>6</u>
	14-16

Instead of 14-16, it should read 16.

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**On Page 47 the Science Degree currently reads:**

**Third Semester (Fall)**

BIO 101 General Biology I	-or-
CHM111 College Chemistry I	-or-
PHY 201 General College Physics I	-or-
PHY 241 University Physics I	4
ENG 241 Survey of American Lit I	-or-
ENG 243 Survey of English Lit I	3
HUM*** Elective <sup>1</sup>	3
ITE 115 Basic Computer Literacy	3
SPD 110 Intro. to Speech Comm.	<u>3</u>
	14-16

Instead of 14-16, it should read 16.

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**On Page 43 the Business Administration Track 1 Degree currently reads:**

**Third Semester (Fall)**

ACC 211 Principles of Accounting I	3
BIO 101 General Biology I	-or-
CHM111 College Chemistry I	-or-
PHY 201 General College Physics I	-or-
PHY 241 University Physics I	4
ENG 241 Survey of American Lit I	-or-
ENG 243 Survey of English Lit I	3
PED *** Physical Education Elective	1
EEE *** Transfer Elective <sup>1</sup>	3
SPD 110 Intro. to Speech Comm.	<u>3</u>
	17

PED \*\*\* Physical Education Elective 1 should read: HLT \*\*\* Health Elective 1

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**On Page 44 the Business Administration Track 2 Degree currently reads:**

**Third Semester (Fall)**

ACC 211 Principles of Accounting I	3
BIO 101 General Biology I	-or-
CHM111 College Chemistry I	-or-
PHY 201 General College Physics I	-or-
PHY 241 University Physics I	4
ENG 241 Survey of American Lit I	-or-
ENG 243 Survey of English Lit I	3
PED *** Physical Education Elective	1
EEE *** Transfer Elective	3
SPD 110 Intro. to Speech Comm.	<u>3</u>
	17

PED \*\*\* Physical Education Elective 1 should read: HLT \*\*\* Health Elective 1

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**On page 104 under Course Descriptions catalog currently reads:**

**PHY 201 General College Physics I (4 cr)**

Teaches fundamental principles of physics.  
Covers mechanics, thermodynamics, wave phenomena, electricity and magnetism and selected topics in modern physics. Prerequisites: MTH 04: Algebra II, ENG 04. Lecture 3 hours per week; laboratory 3 hours per week. **(F)**

It should read Prerequisites: MTH 163 or Divisional Approval, ENG 04.

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**On Page 75 of current catalog under Prerequisites section add the following:**

**All independent study/on-line classes have the additional prerequisite of completion of 9 hours of college credit with a GPA of 2.25, or prior written instructor approval.**

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## On Page 68 current catalog reads:

### **Massage Therapy**

**Purpose:** This program is designed to enable graduates to qualify for national certification in Massage Therapy as well as obtain course work that will prepare graduates to operate and manage their own business in massage therapy and bodywork.

**Admission Information:** Students whose placement test scores indicate the need to increase their level of proficiency in reading, writing and/or mathematics will be required to take appropriate developmental courses. Enrolling in developmental courses may increase the length of time necessary for completing the chosen course(s) or program of study, but will enhance the student's preparation for college-level coursework and increase the chances for successful attainment of academic, occupational and personal goals.

**Admission Requirements:** Students must meet the general admission requirements of the College. Students must be at least 18 years of age at the time of application to the program and/or to enroll in any of the courses.

**National Certification:** Graduates of the program meet the educational requirements to take the National Certification Examination in Massage Therapy and Bodywork. The National Certification Board for Massage Therapy requires applicants have at least 500 in-class clock hours<sup>1</sup> of formal training. Passage of the exam will allow graduates to become licensed as Massage Therapists by the Commonwealth of Virginia.<sup>2</sup>

<sup>1</sup> One (1) in-class clock hour equals 50 minutes of supervised instruction.

<sup>2</sup> Each applicant's official transcript must include:

- a. At least 100 in-class clock hours in Anatomy/Physiology.
- b. At least 200 in-class clock hours in Massage and/or Bodywork theory and Application. This must include at least two (2) in-class clock hours of Ethics.
- c. The remainder of the in-class clock hours must be in a related field that completes the applicant's massage and/or bodywork program of study.

AST	206	Professional Development	3
BUS	116	Entrepreneurship	3
BUS	121	Business Mathematics I	3
ENG	111	English Composition I	3
HLT	105	CPR	1
HLT	106	First Aid and Safety	2
HLT	110	Concepts of Pers. & Comm. Health	3
HLT	170	Introduction to Massage	1
HLT	180	Therapeutic Massage I	3
HLT	280	Therapeutic Massage II	3
HLT	281	Therapeutic Massage III	3
PTH	151	Musculoskeletal Structure/Function	4

### **Minimum credit hours for certificate: 32**

Some massage therapy courses may be available at the Greenfield Education and Training Center in Botetourt County. Call 540/863-2902 for specific information.

Replace with the following:

## Massage Therapy Program

### Purpose

Both the Career Studies and Certificate Programs prepare students for the National Certification Examination in Therapeutic Massage and Bodywork. In Virginia, licensure is required for massage therapy certification and is regulated through the Virginia Board of Nursing. The National Certification Board for Therapeutic Massage and Bodywork requires applicants have at least 500 in-class clock hours of formal training prior to taking the examination. Both the Career Studies and the Certificate Program options enable students to qualify for the national certification. Classes are held at the DSLCC main campus and the Greenfield Education & Training Center in Botetourt County.

### Occupational Objectives

Massage therapists with national certification can work in a variety of health care, business, and recreational settings such as spas, hospitals, corporations, doctors' offices and chiropractic clinics, sports and fitness facilities, beauty and skin care salons and personal wellness agencies.

### Admission Requirements

Students must meet the general admission standards established for the College. Students must be at least 18 years of age at the time of application to the program and/or to enroll in any of the courses.

### Program Requirements

The curriculum includes anatomy and physiology of the musculoskeletal system as preparation for the extensive coursework in massage and bodywork theory and application. The Certificate program includes entrepreneurship and related business courses.

### Massage Therapy Certificate Program

<u>Course</u>			
HLT	170	Introduction to Massage	1
HLT	180	Therapeutic Massage I	3
PTH	151	Musculoskeletal Structure & Function	4
HLT	280	Therapeutic Massage II	3
HLT	281	Therapeutic Massage III	3
HLT	105	Cardiopulmonary Resuscitation	1
HLT	106	First Aid and Safety	2
HLT	110	Personal & Community Health	3
EEE		Elective (Selected from ACC, BUS, or ITE)	3
BUS	EEE	Business Elective	3
BUS	121	Business Mathematics I	3
ENG	111	College Composition I	<u>3</u>

32 Total credits

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**Page 73 of the current catalog reads:**

**Massage Therapy**

AST 206	Professional Development	3
HLT 105	CPR	1
HLT 170	Introduction to Massage	1
HLT 180	Therapeutic Massage I	3
HLT 280	Therapeutic Massage II	3
HLT 281	Therapeutic Massage III	3
PTH 151	Musculoskeletal Structure and Function	<u>4</u>
		18

*Some massage therapy courses may be available at the Greenfield Education and Training Center in Botetourt County. Call 540/863-2902 for specific information. Students must be at least 18 years of age at the time of application to the program and/or to enroll in any of the courses.*

**Replace with the following:**

**Massage Therapy Career Studies Program**

<u>Course</u>	<u>Credits</u>
HLT 170 Introduction to Massage	1
HLT 180 Therapeutic Massage I	3
PTH 151 Musculoskeletal Structure & Function	4
HLT 280 Therapeutic Massage II	3
HLT 281 Therapeutic Massage III	3
HLT 105 Cardiopulmonary Resuscitation	1
<b>BUS EEE *Elective</b>	<b><u>3</u></b>

18 total credits

\*See program advisor to select elective class from ACC, BUS, or ITE.

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## Forestry Technology

**Purpose:** Forestry and forest-related industries are vital to the economy of Virginia, where 60 percent of the total land area is forested. The use of these resources by forest industries and land management agencies requires forest technicians trained in forest management, protection, timber harvesting and utilization.

This program, the only one of its kind in Virginia, is designed for persons who seek employment in forestry occupations. Graduates from the program will be qualified for positions in forestry, urban tree care and as forest products technicians. This program is recognized nationally by the Society of American Foresters.

**Admission Information:** Students whose placement test scores indicate the need to increase their level of proficiency in reading, writing and/or mathematics will be required to take appropriate developmental courses. Enrolling in developmental courses may increase the length of time necessary for completing the chosen course(s) or program of study, but will enhance the student's preparation for college-level coursework and increase the chances for successful attainment of academic, occupational and personal goals.

**Admission Requirements:** In addition to the general admission requirements for the College, entry into the program requires proficiency in English, mathematics and reading. The applicants should have completed at least one unit of algebra and one unit of high school geometry or its equivalent (MTH 03). One unit of biology is helpful. Students whose records or test scores indicate a need for prerequisite skills courses will be placed in these courses until such deficiencies are eliminated. Any student who needs prerequisite mathematics courses should anticipate a three-year program of study.

This program serves residents throughout the Commonwealth. Students may complete preliminary general education studies at another Virginia community college and transfer to DSLCC to complete the forestry courses needed for the A.A.S. Degree. Two years at DSLCC will still be necessary to complete the forestry courses.

Transfer to the DSLCC Forestry Technology Program necessitates close coordination of required courses or their equivalent with the DSLCC counselors/forestry advisors. To enter the DSLCC forestry technology program, admission should be requested in the fall semester of the student's first year at his/her local community college. Students wishing to transfer should contact the program advisor and an academic advisor.

**Program Requirements:** The first year of the forestry technology curriculum provides general education as well as basic forestry subjects.

During the summer between the student's first and second years of study, students are required to complete

approximately 225 clock hours of paid work/field experience or 180 hours of volunteer experience. The College will assist with placement; however, the student is ultimately responsible for locating and retaining the position as a volunteer or paid employee. The employment must be approved by a forestry instructor and registration must be completed prior to beginning the assignment.

Students must achieve an overall minimum grade point average of 2.0 in the curriculum's required courses to be awarded a degree. Upon successful completion of the program, the student will be awarded the Associate of Applied Science Degree in Forestry Technology.

### First Semester (Fall)

ENG 111	College Composition I	3
FOR 105	Forest and Wildlife Ecology	4
FOR 115	Dendrology	4
HLT 106	First Aid and Safety	2
MTH 115	Technical Mathematics I	-or-
MTH 163	Pre-Calculus I	3
SDV 100	College Success Skills	<u>1</u>
		17

### Second Semester (Spring)

FOR 125	Forest Fire Control	1
FOR 201	Forest Mensuration I	4
ITE 115	Basic Computer Literacy	3
SOC ***	Electives <sup>1</sup>	6
SPD 110	Intro. to Speech Comm.	<u>3</u>
		17

### Summer Session

FOR 290/297	Coord.Internship/Co-Op Education	3
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### Third Semester (Fall)

FOR 202	Forest Mensuration II	4
FOR 227	Timber Harvesting	5
FOR 245	Forest Products	2
GIS 200	Geographical Info.Sys.	4
HUM ***	Elective <sup>1</sup>	<u>3</u>
		18

### Fourth Semester (Spring)

BUS 111	Principles of Supervision I	3
FOR 135	Wildlife and Fisheries Mgmt	4
FOR 215	Applied Silviculture	4
FOR 229	Sawmilling	<u>5</u>
		16

### Minimum hours for degree: 71

<sup>1</sup>Students considering transfer to a bachelor degree program may need to take specific social science electives and/or other general education courses. Contact the Program Head and an academic advisor. A list of humanities/social science electives is found on page 42 in this catalog.

## Replace with the following:

### **Forest Management Technology**

*Approved by DSLCC Forestry Technology Advisory Board on June 10, 2008*

#### **Purpose**

This program, the only one of its kind in Virginia, is designed for persons who seek employment in forestry occupations. Students use industry-standard equipment and gain practical experience through summer internships across the country with organizations such as the U.S. Forest Service, Virginia Department of Forestry and private forestry employers.

Forestry and forest-related industries are vital to the economy of Virginia, where 60 percent of the total land area is forested. The use of these resources by forest industries and land management agencies requires forest technicians trained in forest management, protection, timber harvesting and utilization. Graduates of the program will be qualified for positions in forestry, urban tree care and forest products. This program is recognized nationally by the Society of American Foresters.

#### **Admission Requirements**

Students who meet the admission requirements to the College are eligible for enrollment into the program. Students are expected to be proficient in basic English, mathematics and reading. Appropriate developmental courses are available for those who need to improve proficiency in these areas.

In addition to the general admission requirements for the College, entry into the program requires:

- completion of one unit of high school algebra
- completion of one unit of high school geometry or its equivalent
- one unit of biology is helpful but not required

Students whose records or test scores indicate a need for prerequisite skills courses will be placed in these courses until such deficiencies are remediated. Any student who needs prerequisite mathematics courses should anticipate a three-year program of study.

This program serves residents throughout the Commonwealth of Virginia and other states. Students may complete preliminary general education studies at another Virginia community college and transfer to DSLCC to complete the forestry courses needed for the Associate in Applied Science (A.A.S.) Degree.

Two years at DSLCC will still be necessary to complete the forestry courses.

Transfer into the DSLCC forestry technology program necessitates close coordination of required courses or their equivalent with the DSLCC academic/forestry advisors. To enter the DSLCC forestry technology program, admission should be requested in the Fall semester of the student's first year at his/her local community college. Students who wish to transfer should contact the program advisor and the Assistant Coordinator for Student Success.

#### **Program Requirements**

The first year of the forestry technology curriculum provides general education as well as basic forestry courses.

During the summer between the first and second years of study, students are required to complete cooperative (Co-op) experience of approximately 225 clock hours of paid work/field experience or 180 hours of volunteer experience. The College will assist with placement; however, the student is ultimately responsible for locating and retaining the position as a volunteer or paid employee. The employment must be approved prior to beginning the assignment.

Students must achieve an overall 2.0 GPA ("C" average) in the required curriculum courses to be awarded a degree. Upon successful completion of the program, the student will be awarded the A.A.S in Forestry Technology.

<b>1<sup>st</sup> Year Fall</b>	<b>Credits</b>
ENG 111 College Composition I	3
HLT 106 First Aid and Safety	2
MTH 115 Technical Mathematics I	<i>or</i>
MTH 163 Precalculus I(Required for Transfer)	3
SDV 100 College Success Skills	1
FOR 105 Forest and Wildlife Ecology	4
FOR 115 Dendrology	4
Total Credits	17

<b>1<sup>st</sup> Year Spring</b>	
FOR 201 Forest Mensuration I	4
FOR 245 Forest Products	2
SOC *** Elective	3
MTH 164 Precalculus II(Required for Transfer)	3
SPD 110 Intro to Speech Communication	3
ITE 115 Basic Computer Literacy	3
Total Credits	15-18

<b>1<sup>st</sup> Year Summer</b>	
FOR 190 Coordinated Internship	3

<b>2<sup>nd</sup> Year Fall</b>	<b>Credits</b>
FOR 227 Timber Harvesting	4
FOR 195 Topics in Forest Protection	3
FOR 295 Topics in Forest Mapping	3
FOR 202 Forest Mensuration II	4
FOR 215 Applied Silviculture	4
Total Credits	18

<b>2<sup>nd</sup> Year Spring</b>	
BUS 111 Principles of Supervision I	3
FOR 229 Sawmilling	4
FOR 293 Studies in Forest Management	3
HUM *** Elective	3
SOC *** Elective	3
Total Credits	16

**Total Credits Required for Degree            69**

Curricular needs are not the same at every institution; the student should confirm with the college or university to which they plan to transfer that they will receive credit at the four-year institution.

NOTE: MTH 164 is not required for graduation from DSLCC Forestry Management Technology.

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## **Add these new/updated classes to page 89 of current catalog:**

### **Updates and New Classes:**

**FOR 195 Topics in Forest Protection (3 Crs):** Emphasizes fire control, smoke management, timber theft, major forest pests and diseases, exotic and invasive species, and other threats to forest health. Completion of this course makes you eligible for industry certification. Lecture 1 hour Laboratory 4 hours Total 5 hours per week.

**FOR 295 Topics in Forest Mapping (3 crs):** Introduces GIS applications for Forest Management. Provides experience in creating, updating, managing, correcting geographic databases, and maps. Emphasizes adherence to legal and ethical criteria of GIS applications in Forestry. Lecture 2 hours. Laboratory 3 hours Total 5 hours per week

**FOR 293 Studies in Forest Management (3 Crs):** Emphasizes multiple use of forest lands, public conflict and participation in planning processes, timber appraisal, contracts, forest management principles, principles of ecosystem (landscape) based management, regional forest management regulations, sustainable forest management concepts/certification, record keeping and basic accounting. Practice development of forest management plans for a landowner meeting specific multiple use objectives. Prerequisites: FOR 295 Topics in Forest Mapping  
Lecture 1 hours Laboratory 4 hours Total 5 hours per week

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## **Add New Career Studies Certificate to page 74 of current catalog:**

### **Career Studies Certificate Urban Forestry**

*Approved by DSLCC Forestry Technology Advisory Board on June 10, 2008*

**Purpose** – Provides a distinct segment of the forestry industry with skilled workers. Provides the student with skill sets requisite for employment in the field that attends to the growth, management, care and conservation of vegetation in the public and private urban setting.

**Occupational Objectives** – Arboriculture, urban forestry and utility industries

**Admission Requirements** – MTH 03, ENG 04, ENG 05

**Program Requirements** - students are required to complete work-based experiences and volunteer experiences. The Forest Management Department will assist with placement; however, the student is ultimately responsible for locating and retaining the position as a volunteer or paid employee.

Students must achieve an overall 2.0 GPA ("C" average) in the 29 credit hours of required curriculum courses to be awarded a Career Studies Certificate in Urban Forestry.

First Semester	Credits
FOR 115 Dendrology	4
FOR 195 Climbing and Rigging	3
HRT 111 Landscape Horticulture	3
HRT 205 Soils	3
<u>HRT 259 Arboriculture</u>	<u>3</u>
Total Credits	16
Second Semester	Credits
HRT 245 Woody Plants	2
FOR 265 Urban Forestry	4
HRT 207 Plant Pest Management	3
BUS EEE* Restricted Elective	3
<u>Internship/Co-op</u>	<u>1</u>
Total Credits	13

Credits Required for CSC 29

BUS EEE\* Restricted Elective selected from  
 BUS 100 Introduction to Business, BUS 111 Principles of Supervision I, or BUS 200 Principles of Management

**Add the following new courses to current catalog:**

#### **NEW COURSES**

**FOR 195 Climbing and Rigging (3 crs)** : - Provides work-based experiences in tree climbing including exposure to diverse species of trees. Provides experience in tree climbing gear, pre-climbing inspection, rope installation, entering and positioning in the tree, and knots and hitches for tree climbers. Emphasizes safety, OSHA regulations, and equipment care.

**Lecture 2 hours. Laboratory 3 hours Total 5 hours per week**

**HRT 111 Landscape Horticulture (3 crs)**: Teaches horticulture and landscaping for home planning and planting. Covers plant taxonomy, plant selection, soil testing, fertilizers, and pest control. **Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.**

**HRT 205 – Soils (3 crs):** Teaches theoretical and practical aspects of soils and other growing media. Examines media components, chemical and physical properties, and soil organisms. Discusses management and conservation. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

**HRT 259 - Arboriculture (3 crs):** Studies the techniques of tree care. Covers surgery, pruning, insect and disease recognition and control, fertilization, cabling, and lightning rod installation. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

**HRT 245 - Woody Plants (2-3 crs):** Studies identification, culture, and uses of woody plants in landscaping. Includes deciduous and evergreen, native and cultivated shrubs, trees and vines. Teaches scientific and common names of plants. Lecture 1-2 hours. Laboratory 2 hours. Total 3-4 hours per week.

**FOR 265 - Urban Forestry (4 crs):** Examines the care, maintenance, establishment and management of trees and related plants in an urban environment. Emphasizes non-commodity values of trees in an urban environment. Lecture 3 hours. Laboratory 3 hours. Total 6 hours per week.

**HRT 207 - Plant Pest Management (3 crs):** Teaches principles of plant pest management. Covers morphology and life cycles of insects and other small animal pests and plant pathogens. Lab stresses diagnosis, chemical and non-chemical control of specific pests, and pesticide safety. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

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***Add New Career Studies Certificate to page 74 of current catalog:***

**Career Studies Certificate  
Wood Technology**

*Approved by DSLCC Forestry Technology Advisory Board on June 10, 2008*

**Purpose** – Provides a distinct segment of the forestry industry with skilled workers. Provides the student with skill sets requisite for employment in sawmilling and wood products.

**Occupational Objectives** – sawyer, kiln technician, supervisor, saw mill manager

**Admission Requirements** – MTH 02, ENG 01, ENG 03

**Program Requirements** - students are required to complete work-based experiences and volunteer experiences. The Forest Management Department will assist with placement; however, the student is ultimately responsible for locating and retaining the position as a volunteer or paid employee.

Students must achieve an overall 2.0 GPA ("C" average) in the 29 credit hours of required curriculum courses to be awarded a Career Studies Certificate in Wood Technology.

<b>Semester 1</b>	<b>Credits</b>	
FOR 227 Timber Harvesting	4	
ELE 156 Electrical Control Systems	3	
IND 137 Team Concepts & Problem Solving	3	
BUS 111 Principles of Supervision	3	
<u>FOR 190 Coordinated Internship</u>	<u>1</u>	
<b>Total Credits</b>	<b>14</b>	
<b>Semester 2</b>	<b>Credits</b>	
FOR 245 Forest Products	2	
FOR 195 Topics in Hardwood Lumber Grading		3
FOR 229 Sawmilling	4	
IND 181 World Class Manufacturing I	3	
<u>FOR 195 Topics in Lumber Drying</u>	<u>3</u>	
<b>Total Credits</b>	<b>15</b>	
	<b>Total Credits Required for CSC:</b>	<b>29</b>

**Add the following course descriptions to current catalog:**

**Course Descriptions:**

**ELE 156 - Electrical Control Systems** Includes troubleshooting and servicing electrical controls, electric motors, motor controls, motor starters, relays, overloads, instruments and control circuits. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.  
3 credits

**FOR 190 - Coordinated Internship** (1-5 crs): Supervises on-the-job training in selected business, industrial or service firms coordinated by the college. Credit/practice ratio not to exceed 1:5 hours. May be repeated for credit. Variable hours.

**FOR 195 - Topics in Hardwood Lumber Grading (3 crs):** Introduces National Hardwood Lumber Association grading standards for use in primary lumber manufacturing. Provides experience in identification of a variety hardwood and softwood species and specie defects. Lecture 1 hours. Laboratory 4 hours. Total 5 hours per week.

**FOR 195 Topics in Lumber Drying (3 crs):** Studies hardwood and pine lumber drying systems. Emphasizes equipment and system design to control moisture during the drying process. Lecture 2 Laboratory 3 Total 5 hours per week

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**ADD NEW DEGREE TO PAGE 53 OF CURRENT CATALOG:**

**BUSINESS MANAGEMENT DEGREE WITH  
SPECIALIZATION IN ADMINISTRATIVE SUPPORT**

<b>First Semester (Fall)</b>		
<b>Course Code</b>	<b>Course Name</b>	<b>Credit Hours</b>
<b>BUS 100</b>	<b>Introduction to Business</b>	<b>3</b>
<b>BUS 121</b>	<b>Business Mathematics I</b>	<b>3</b>
<b>AST 107</b>	<b>Editing and Proofreading</b>	<b>3</b>

<b>ITE 115</b>	<b>Basic Computer Literacy</b>	<b>3</b>
<b>MKT 100</b>	<b>Principles of Marketing</b>	<b>3</b>
<b>SDV 100</b>	<b>College Success Skills</b>	<b>1</b>
<b>Total</b>		<b>16</b>
<b>Second Semester (Spring)</b>		
<b>Course Code</b>	<b>Course Name</b>	<b>Credit Hours</b>
<b>ENG 111</b>	<b>College Composition I</b>	<b>3</b>
<b>BUS 200</b>	<b>Principles of Management</b>	<b>3</b>
<b>AST 137</b>	<b>Records Management</b>	<b>3</b>
<b>MTH 120</b>	<b>Intro. To Math</b>	<b>3</b>
<b>HUM ***</b>	<b>Humanities Elective</b>	<b>3</b>
<b>SPD 110</b>	<b>Introduction to Speech Communications</b>	<b>3</b>
<b>Total</b>		<b>18</b>
<b>Third Semester (Fall)</b>		
<b>Course Code</b>	<b>Course Name</b>	<b>Credit Hours</b>
<b>ACC 211</b>	<b>Principles of Accounting I</b>	<b>3</b>
<b>BUS 201</b>	<b>Organizational Behavior</b>	<b>3</b>
<b>BUS 241</b>	<b>Business Law I</b>	<b>3</b>
<b>ECO 201</b>	<b>Principles of Economics I: Macroeconomics</b>	<b>3</b>
<b>AST 141</b>	<b>Word Processing – Word 07</b>	<b>3</b>
<b>PED ***</b>	<b>Physical Education Requirement</b>	<b>1</b>
<b>Total</b>		<b>16</b>
<b>Fourth Semester (Spring)</b>		
<b>Course Code</b>	<b>Course Name</b>	<b>Credit Hours</b>
<b>AST 243</b>	<b>Office Administration</b>	<b>3</b>
<b>BUS 236</b>	<b>Communications in Management</b>	<b>3</b>
<b>ECO 202 or SOC elective</b>	<b>Principles of Economics II: Microeconomics</b>	<b>3</b>
<b>AST 253</b>	<b>Desktop Publishing</b>	<b>3</b>
<b>AST 290/297</b>	<b>AST Internship</b>	<b>3</b>
<b>HLT/PED ***</b>	<b>Health/Physical Education Elective</b>	<b>1</b>
<b>Total</b>		<b>16</b>
<b>Minimum Hours for Degree: 66</b>		

**Add the following EMS Career Studies Certificates and courses to current catalog:**

**Emergency Medical Services – Basic and Enhanced**

**PROGRAM TITLE**

**Career Studies Certificate (CSC)**

**PURPOSE**

The purpose of this curriculum is to produce competent entry-level Emergency Medical Technicians - Basic and Enhanced (EMT-B and EMT-E) -who can service the community with basic and enhanced life support care via the Emergency Medical Services (EMS) infrastructure. Upon completion of the program, students will have successfully fulfilled requirements for National Registry and certification in the Commonwealth of Virginia at the EMT Basic and Enhanced levels. Employment/placement opportunities for EMT-Basic and EMT-Enhanced technicians are available with ambulance; fire and rescue services; hospitals; local, state and federal government agencies; and humanitarian relief organizations.

**ADMISSION REQUIREMENTS AND SPECIAL CONDITIONS**

To be eligible for placement in the program students are required to:

1. Submit a college admission application.
2. Take the COMPASS or ASSET placement test (or submit SAT or ACT scores). Need to specify scores
3. Have transcripts of previous high school and college courses sent to the college.
4. Submit required health certificate.
5. Have current CPR certification at the Health Care Provider level.
6. Meet Virginia prerequisites for basic level programs (see below)

\* A reading score of 81 on the COMPASS or comparable score on the ASSET, SAT, or ACT is required

**PROGRAM CURRICULUM**

1 <sup>st</sup> Semester	Credits	Standard Course Options
1 <sup>st</sup> Session		
EMS 112 Emergency Medical Technician - Basic I	3	EMS 111 (6cr.)
2 <sup>nd</sup> Session		
EMS 113 Emergency Medical Technician- Basic II	3	EMS 111 (6cr.)
EMS 120 EMT Basic Clinical	1	
2 <sup>nd</sup> Semester		
1 <sup>st</sup> Session		
EMS 151 Intro to Advanced Life Support	4	
EMS 170 ALS Internship I	1	
<b>Total Credits</b>	<b>12</b>	

<b>Total Credits For Program</b>	<b>12</b>
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**NOTES AND ADDITIONAL CURRICULUM OPTIONS**

The student will be required to successfully complete the requirements for EMT-Basic certification prior to enrolling in the EMS 170 course. Students enrolled in EMS 170 must successfully complete EMT-Enhanced certification requirements as well as fulfill other internship expectations.

**PREREQUISITES FOR BASIC LEVEL PROGRAMS**

Eligibility to attend an EMS First Responder, EMS First Responder Bridge, or an Emergency Medical Technician-Basic course in Virginia requires that you must:

- (1) Be proficient in reading, writing and speaking the English language.
- (2) Be a minimum of 16 years of age at the beginning date of the certification course. If less than 18 years of age, you must provide the course coordinator with a completed parental permission form with the signature of a parent or guardian verifying approval for enrollment in the course. If you are

less than 18 years of age and affiliated with an EMS or other Public Safety agency, you must also provide the Course Coordinator with documentation from an Officer of the agency stating you will be covered by the agencies insurance while attending the course.

(3) Have no physical or mental impairment that would render them unable to perform all practical skills required for that level of certification.

(4) Hold current certification in an Office of Emergency Medical Services approved cardiopulmonary resuscitation (CPR) course at the beginning date of the course. This certification must also be current at the time of state testing.

(5) Not have been convicted of or found guilty of any crime, offense or regulatory violation, or participated in any other prohibited conduct identified in state EMS regulations as follows:

(A) Have never been convicted or found guilty of any crime involving sexual misconduct where lack of affirmative consent by the victim is an element of the crime.

(B) Have never been convicted of a felony involving the sexual or physical abuse of children, the elderly or the infirm.

(C) Have never been convicted or found guilty of any crime (including abuse, neglect, theft from, or financial exploration) of a person entrusted to their care or protection in which the victim is a patient or is a resident of a health care facility.

(D) Have never been convicted or found guilty of any crime involving the use, possession, or distribution of illegal drugs except that the person is eligible for affiliation or enrollment five years after the date of final release if no additional crimes of this type have been committed during that time.

(E) Have never been convicted or found guilty of any other act that is a felony except that the felon is eligible for affiliation or enrollment five years after the date of final release if no additional felonies have been committed during that time.

(F) Are not currently under any disciplinary or enforcement action from another state EMS office or other recognized state or national healthcare provider licensing or certifying body. Personnel subject to these disciplinary or enforcement actions may be eligible for certification provided there have been no further disciplinary or enforcement actions for five years prior to application for certification in Virginia.

(G) Have never been subject to a permanent revocation of license or certification by another state EMS office or recognized state or national healthcare provider licensing or certifying body.

(6) All references to criminal acts or convictions under this section refer to substantially similar laws or regulations of any other state or the United States. Convictions include prior adult convictions, juvenile convictions, and adjudications of delinquency based on an offense that would have been, at the time of conviction, a felony conviction if committed by an adult within or outside Virginia.

(7) If you are bridging to the EMT-Basic certification level, you must hold a current Virginia certification at the EMS First Responder level.

**(8) Be clean and neat in appearance.**

**(9) May not be under the influence of any drugs or intoxicating substances that impairs your ability to provide patient care or operate a motor vehicle while in class or performing clinicals, while on duty or when responding or assisting in the care of a patient.**

## Emergency Medical Services - Intermediate

### PROGRAM TITLE

Career Studies Certificate (CSC)

### PURPOSE

The purpose of this curriculum is to produce competent entry-level Emergency Medical Technician-Intermediates (EMT-I/99) who can service the community with advanced life support care via the Emergency Medical Services (EMS) infrastructure. Upon completion of the program, students will have successfully fulfilled requirements for National Registry and certification in the Commonwealth of Virginia at the EMT-I level. Employment opportunities for EMT-Intermediates are available with ambulance; fire and rescue services; hospitals; local, state and federal government agencies; and humanitarian relief organizations.

### ADMISSION REQUIREMENTS AND SPECIAL CONDITIONS

To be eligible for placement in the program students are required to:

1. Submit a college admission application.
2. Take the COMPASS or ASSET placement test (or submit SAT or ACT scores). Need to specify scores
3. Have transcripts of previous high school and college courses sent to the college.
4. Submit required health certificate.
5. Have current CPR certification at the Health Care Provider level.
6. Meet Virginia prerequisites for basic or advanced level programs (depending upon semester entered) (see below)

\* A reading score of 81 on the COMPASS or comparable score on the ASSET, SAT, or ACT is required

### PROGRAM CURRICULUM

<sup>st</sup> 1 Semester	Credits	Standard Course Options
1 <sup>st</sup> Session		
EMS 112 Emergency Medical Technician - Basic I	3	EMS 111 (6cr.)
2 <sup>nd</sup> Session		
EMS 113 Emergency Medical Technician – Basic II	3	EMS 111 (6cr.)
EMS 120 EMT-Basic Clinical	1	
<b>Total Credits</b>	<b>7</b>	

<sup>nd</sup> 2 Semester	Credits	Standard Course Options
1 <sup>st</sup> Session		
EMS 151 Intro to Advanced Life Support	4	
EMS 153 Basic ECG Recognition	2	
2 <sup>nd</sup> Session		
EMS 157 ALS Trauma Care	3	
EMS 170 ALS Internship I	1	
<b>Total Credits</b>	<b>10</b>	

<b>3<sup>rd</sup> Semester</b>	<b>Credits</b>	<b>Standard Course Options</b>
<b>1<sup>st</sup> Session</b>		
<b>EMS 155 ALS Medical Care</b>	<b>4</b>	
<b>EMS 159 EMS Special Populations</b>	<b>2</b>	
<b>2<sup>nd</sup> Session</b>		
<b>EMS 172 ALS Clinical Internship II</b>	<b>2</b>	
<b>EMS 173 ALS Field Internship II</b>	<b>1</b>	
<b>Total Credits</b>	<b>9</b>	

<b>Total Credits For Program</b>	<b>26</b>
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**NOTES AND ADDITIONAL CURRICULUM OPTIONS**

Upon completion of Semester 1, and prior to enrolling in EMS 170, students *must* successfully test for EMT-Basic Certification.

Successful completion of EMS 170 requires students to earn EMT-Enhanced Certification as well as to fulfill all other internship expectations.

Successful completion of EMS 173 requires students to earn EMT-Intermediate Certification as well as to fulfill all other internship expectations.

**PREREQUISITES FOR ADVANCED LEVEL PROGRAMS**

To be eligible to attend an Advanced Level EMT course in Virginia you must:

- (1) Be proficient in reading, writing and speaking the English language.
- (2) Be a minimum of 18 years of age at the beginning date of the certification course.
- (3) Hold a current certification as an EMT-Basic or higher.
- (4) Hold, at a minimum, a High School or General Equivalency Diploma.
- (5) Have no physical or mental impairment that would render them unable to perform all practical skills required for that level of certification
- (6) Not have been convicted of or found guilty of any crime, offense or regulatory violation, or participated in any other prohibited conduct identified in state EMS regulations as follows:
  - (A) Have never been convicted or found guilty of any crime involving sexual misconduct where lack of affirmative consent by the victim is an element of the crime.
  - (B) Have never been convicted of a felony involving the sexual or physical abuse of children, the elderly or the infirm.
  - (C) Have never been convicted or found guilty of any crime (including abuse, neglect, theft from, or financial exploration) of a person entrusted to their care or protection in which the victim is a patient or is a resident of a health care facility.

**(D) Have never been convicted or found guilty of any crime involving the use, possession, or distribution of illegal drugs except that the person is eligible for affiliation or enrollment five years after the date of final release if no additional crimes of this type have been committed during that time.**

**(E) Have never been convicted or found guilty of any other act that is a felony except that the felon is eligible for affiliation or enrollment five years after the date of final release if no additional felonies have been committed during that time**

**(F) Are not currently under any disciplinary or enforcement action from another state EMS office or other recognized state or national healthcare provider licensing or certifying body. Personnel subject to these disciplinary or enforcement actions may be eligible for certification provided there have been no further disciplinary or enforcement actions for five years prior to application for certification in Virginia**

**(G) Have never been subject to a permanent revocation of license or certification by another state EMS office or recognized state or national healthcare provider licensing or certifying body.**

**(7) All references to criminal acts or convictions under this section refer to substantially similar laws or regulations of any other state or the United States. Convictions include prior adult convictions, juvenile convictions, and adjudications of delinquency based on an offense that would have been, at the time of conviction, a felony conviction if committed by an adult within or outside Virginia.**

**(8) Be clean and neat in appearance.**

**(9) May not be under the influence of any drugs or intoxicating substances that impairs your ability to provide patient care or operate a motor vehicle while in class or clinicals, while on duty or when responding or assisting in the care of a patient.**

**(10) If in an ALS Bridge certification Program, must have completed the eligibility requirements for certification at the lower ALS level prior to the beginning date of the ALS Bridge Certification program.**

**(11) If in an ALS Bridge certification Program, must have become certified at the lower level prior to certification testing for the higher level of ALS certification.**

## EMS Courses

### EMS 112 - Emergency Medical Technician-Basic I

Prepares student for certification as a Virginia and/or National Registry EMT-Basic. Includes all aspects of pre-hospital basic life support as defined by the Virginia office of Emergency Medical Services curriculum for Emergency Medicine Technician Basic.

Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

3 credits

### EMS 113 - Emergency Medical Technician-Basic II

Continues preparation of student for certification as a Virginia and/or National Registry EMT-Basic. Includes all aspects of pre-hospital basic life support as defined by the Virginia Office of Emergency Medical Services curriculum for Emergency Medicine Technician Basic.

Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

3 credits

### EMS 120 - Emergency Medical Technician - Basic Clinical

Observes in a program approved clinical/field setting. Includes topics for both EMS 111 and EMS 113, dependant upon the program in which the student is participating and is a co-requisite to both EMS 111 and EMS 113.

Lecture 1 hour per week.

1 credits

### EMS 151 - Introduction to Advanced Life Support

Prepares the student for Virginia Enhanced certification eligibility and begins the sequence for National Registry Intermediate and/or Paramedic certification. Includes the theory and application of the following: foundations, human systems, pharmacology, overview of shock, venous access, airway management, patient assessment, respiratory emergencies, allergic reaction, and assessment based management. Conforms at a minimum to the Virginia Office of Emergency Medical Services curriculum. Co-requisite: EMS 170.

Lecture 3 hours. Laboratory 2 hours. Total 5 hours per week.

4 credits

### EMS 153 - Basic ECG Recognition

Focuses on the interpretation of basic electrocardiograms (ECG) and their significance. Includes an overview of anatomy and physiology of the cardiovascular system including structure, function and electrical conduction in the heart. Covers advanced concepts that build on the knowledge and skills of basic dyshythmia determination and introduction to 12 lead ECG.

Lecture 2 hours per week.

2 credits

### EMS 155 - ALS - Medical Care

Continues the Virginia Office of Emergency Medical Services Intermediate and/or Paramedic curricula. Includes ALS pharmacology, drug and fluid administration with emphasis on patient assessment, differential diagnosis and management of multiple medical complaints. Includes, but are not limited to conditions relating to cardiac, diabetic, neurological, non-traumatic abdominal pain, environmental, behavioral, gynecology, and toxicological disease conditions. Prerequisites: Current EMT-B certification, EMS 151 and EMS 153.

Lecture 3 hours. Laboratory 2 hours. Total 5 hours per week.

4 credits

### EMS 157 - ALS - Trauma Care

Continues the Virginia Office of Emergency Medical Services Intermediate and/or Paramedic curricula. Utilizes techniques which will allow the student to utilize the assessment findings to formulate a field impression and implement the treatment plan for the trauma patient.

Prerequisites: Current EMT-B certification and EMS 151.

Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

3 credits

### EMS 159 - ALS - Special Populations

Continues the Virginia office of Emergency Medical Services Intermediate and/or Paramedic curricula. Focuses on the assessment and management of speciality patients including obstetrical, neonates, pediatric, and geriatrics. Prerequisites: EMS 151 and EMS 153. Pre or co-requisite: EMS 155.

Lecture 1 hour. Laboratory 2 hours. Total 3 hours per week.

2 credits

### EMS 170 - ALS Internship I

Begins the first in a series of clinical experiences providing supervised direct patient contact in appropriate patient care facilities in and out of hospitals. Includes but not limited to patient care units such as the Emergency Department, Critical Care units, Pediatric, Labor and Delivery, Operating Room, Trauma centers and various advanced life support units.

Prerequisites: Current EMT-B certification, Co-requisites: EMS151

Laboratory 3-6 hours per week.

1-2 credits

### EMS 172 - ALS Clinical Internship II

Continues with the second in a series of clinical experiences providing supervised direct patient contact in appropriate patient care facilities in and out of hospitals. Includes but not limited to patient care units such as the Emergency Department, Critical Care units, Pediatric, Labor and Delivery, Operating Room and Trauma Centers. Co-requisite: EMS 151.

Laboratory 3-6 hours per week.

1-2 credits

### EMS 173 - ALS Field Intership II

Continues with the second in a series of field experiences providing supervised direct patient care in out-of-hospital advanced life support units. Prerequisites: Current EMT-E certification, Co-requisites: EMS 155

Laboratory 3 hours per week.

1 credits

### EMS 190 - Coordinated Internship

Supervises on-the-job training in selected business, industrial or service firms coordinated by the college.

Credit/practice ratio not to exceed 1:5 hours. May be repeated for credit. Variable hours.

1-5 credits

### EMS 193 - Studies In

Covers new content not covered in existing courses in the discipline. Allows instructor to explore content and instructional methods to assess the course's viability as a permanent offering.

Variable hours per week.

1-5 credits

### EMS 195 - Topics In

Provides an opportunity to explore topical areas of interest to or needed by students.

May be used also for special honors courses. May be repeated for credit. Variable hours.

1-5 credits

**EMS 196 - On-Site Training**

Specializes in career orientation and training program without pay in selected businesses and industry, supervised and coordinated by the college.

Credit/work ratio not to exceed 1:5 hours. May be repeated for credit. Variable hours.  
1-5 credits

**EMS 197 - Cooperative Education**

Supervises in on-the-job training for pay in approved business, industrial and service firms, coordinated by the college's cooperative education office. Is applicable to all occupational-technical curricula at the discretion of the college.

Credit/work ratio not to exceed 1:5 hours. May be repeated for credit. Variable hours.  
1-5 credits

**EMS 198 - Seminar and Project**

Requires completion of a project or research report related to the student's occupational objectives and a study of approaches to the selection and pursuit of career opportunities in the field.

May be repeated for credit. Variable hours.  
1-5 credits

**EMS 199 - Supervised Study**

Assigns problems for independent study incorporating previous instruction and supervised by the instructor.

May be repeated for credit. Variable hours.  
1-5 credits

**Last Update 05/27/09**