



2018-2019

# **Catalog & Student Handbook**

**Addendum**

**July 2018**

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## EXPLANATION OF DEGREES AND COURSES

### General Education Courses

#### General Education Courses for Associate of Applied Science Degrees, Diplomas, and Certificates

##### English Composition

ENG 111-112 College Composition I-II  
ENG 115 Technical Writing

##### Humanities: Study of human culture

\*ART 201-202 History of Art I-II  
CST 130 Introduction to Theater  
CST 151-152 Film Appreciation I-II  
ENG 241-242 Survey of American Literature I-II  
ENG 243-244 Survey of English Literature I-II  
\*MUS 121-122 Music Appreciation I-II  
\*PHI 100 Introduction to Philosophy  
PHI 260 Studies in Eastern Thinking  
REL 200 Old Testament – Fall Semesters only  
REL 210 New Testament – Spring Semesters only  
\*REL 230 Religions of the World  
Foreign Language – any 200 level course\*\*  
\*Indicates course specified for pathways elective options

*\*\*100 level foreign language courses may not be used to satisfy the humanities graduation requirement in programs where only one humanities course is required. In programs with two humanities courses, only one 100 level foreign language course may be used to satisfy the humanities graduation requirement.*

##### Mathematics

MTH 111 Basic Technical Mathematics  
MTH 132 Business Mathematics  
MTH 154 Quantitative Reasoning  
MTH 155 Statistical Reasoning  
MTH 161-162 Precalculus I-II  
MTH 245-246 Statistics I-II  
MTH 261-262 Applied Calculus I-II  
**Note:** Placement is required for all mathematics courses.

##### Natural Science

BIO 101-102 Biology I-II  
BIO 141-142 Human Anatomy & Physiology I-II  
BIO 145 Human Anatomy and Physiology for the Health Sciences  
CHM 111-112 College Chemistry I-II  
GOL 105 Physical Geology  
GOL 106 Historical Geology  
PHY 231-232 General University Physics I-II  
PHY 241-242 University Physics I-II

##### Social Science: Study of relationships within a society

\*ECO 201-202 Principles of Economic I-II  
GEO 210 People and the Land: Intro Cultural Geography  
GEO 220 World Regional Geography  
\*HIS 101 or higher (History courses)  
PLS 135 or higher (Political Sciences courses)  
\*PSY 120 or higher (Psychology courses)  
\*SOC 200 or higher (Sociology courses)

\*Indicates course specified for pathways elective options

##### Wellness

All PED Activity Courses (Physical Education Courses)  
HLT 105 CPR  
HLT 106 First Aid and Safety  
HLT 110 Personal & Community Health  
HLT 230 Nutrition and Human Development

##### General Education Electives

If a program requires a general education elective a student may choose any three-credit course from one of the above categories or from courses listed below.  
ACC 211-212 Principles of Accounting I-II  
BIO 215 Plant Life of Virginia  
CST 100 Principles of Public Speaking  
ITE 115 Introduction to Computer Applications and Concepts  
ITE 119 Information Literacy

### General Education Courses for Associate of Arts & Sciences Degrees

##### English Composition

ENG 111-112 College Composition I-II  
ENG 210 Advanced Composition

##### Humanities: Study of human culture

\*ART 201-202 History of Art I-II  
CST 130 Introduction to Theater  
CST 151-152 Film Appreciation I-II  
ENG 241-242 Survey of American Literature I-II  
ENG 243-244 Survey of English Literature I-II  
\*MUS 121-122 Music Appreciation I-II  
\*PHI 100 Introduction to Philosophy  
PHI 260 Studies in Eastern Thinking  
REL 200 Old Testament – Fall Semesters only  
REL 210 New Testament – Spring Semesters only  
\*REL 230 Religions of the World  
Foreign Language – any 200 level course\*\*  
\*Indicates course specified for pathways elective options

*\*\*100 level foreign language courses may not be used to satisfy the humanities graduation requirement in programs where only one humanities course is required. In programs with two humanities courses, only one 100 level foreign language course may be used to satisfy the humanities graduation requirement.*

##### Mathematics

MTH 154 Quantitative Reasoning  
MTH 155 Statistical Reasoning  
MTH 161-162 Precalculus I-II  
MTH 263-264 Calculus I-II  
MTH 245-246 Statistics I-II  
MTH 261-262 Applied Calculus I-II  
MTH 265 Calculus III  
MTH 266 Linear Algebra  
MTH 267 Differential Equations

**Note:** Students are urged to check the mathematics requirements of the four-year college to which they plan to transfer to determine the proper

mathematics courses that should be taken at the community college.  
Placement is required for all mathematics courses.

**Natural Science**

- BIO 101-102 Biology I-II
- BIO 141-142 Human Anatomy & Physiology I-II
- CHM 111-112 College Chemistry I-II
- CHM 241-242/243-244 Organic Chemistry I-II
- GOL 105 Physical Geology
- GOL 106 Historical Geology
- PHY 231-232 General University Physics I-II
- PHY 241-242 University Physics I-II

**Social Science: Study of relationships within a society**

- \*ECO 201-202 Principles of Economic I-II
- GEO 210 People and the Land: Intro Cultural Geography
- GEO 220 World Regional Geography
- \*HIS 101 or higher (History courses)
- PLS 135 or higher (Political Sciences courses)
- \*PSY 120 or higher (Psychology courses)
- \*SOC 200 or higher (Sociology courses)
- \*Indicates course specified for pathways elective options

**Wellness**

- All PED Activity Courses (Physical Education Courses)
- HLT 105 CPR
- HLT 106 First Aid and Safety

- HLT 110 Personal & Community Health
- HLT 230 Nutrition and Human Development

*Note: Transfer students should note that four-year institutions may require a PED activity course in the general education core.*

**General Education Electives**

If a program requires a general education elective a student may choose any three-credit course from one of the above categories or from courses listed below.

- ACC 211-212 Principles of Accounting I & II
- BIO 215 Plant Life of Virginia
- BIO 151-152 Human Gross Anatomy I-II
- BIO 205 Microbiology
- BIO 256 Genetics
- BIO 278 Coastal Ecology
- CST 100 Principles of Public Speaking
- ENG 211 Creative Writing
- ITE 115 Introduction to Computer Applications and Concepts
- ITE 119 Information Literacy

*Note: Students may petition the division dean to count a class not listed above as a transfer elective. They must provide evidence that the class is accepted at the institution to which they plan to transfer.*

# **Curriculum & Program Requirements**

## Health Technology

# Emergency Medical Services Technology

## Associate of Applied Science Degree

**Program Coordinator:** Bill Akers, Jr., MS, NRP, Program Director  
276-964-7729 • [bill.akers@sw.edu](mailto:bill.akers@sw.edu)

**Length:** Five semesters

This information supersedes that published in the Virginia Highlands Community College 2018-19 Catalog and Student Handbook.

Offered in cooperation with Southwest Virginia Community College. Degree awarded by Virginia Highlands Community College.

**Purpose:** The purpose of this curriculum is to produce competent entry-level Paramedics who can provide the highest level of out-of-hospital care. Upon completion of the program, students will be eligible for National Registry testing and certification. This credential leads to Paramedic licensure or certification in Virginia and most other states. Employment opportunities for Paramedics are available with ambulance; fire and rescue services; hospitals; local, state and federal government agencies.

**Program Goals:** At the completion of the program the graduate will be able to demonstrate:

1. The Ability to comprehend, apply, and evaluate the clinical information relative to his role as an entry-level paramedic;
2. Technical proficiency in all skills necessary to fulfill the role of an entry-level paramedic; and
3. Personal behaviors consistent with professional and employer expectations for the entry-level paramedic.

**Accreditation:** This program is accredited nationally by the Committee on Accreditation of Allied Health Educational Programs (CAAHEP), 25400 U.S. Highway 19 North, Suite 158, Clearwater FL, 33763, phone 727-210-2350.

**Admission Requirements:** Prior to the starting program courses, the applicant must:

1. Meet eligibility requirements as stipulated by the Virginia Office of EMS; and
2. Meet the college's general admission requirements.

**Selection Process:** To be eligible for selection to the program, interested person should complete the following process by May 10:

1. Submit a college admission application.
2. Submit an application to the program (separate document) with required attachments.
3. Complete the VPT English and Math assessment. To enroll in EMS courses the student must test above ENF 1 and MTE 1 on the college placement test or have equivalent scores on the ACT, SAT, etc. (or submit satisfactory SAT or ACT scores).
4. Have transcripts of previous college courses sent to the college.

At that time the first round of students will be selected. Selection will be based on previous college coursework, entrance exam, skill assessment, and college placement reading scores. Students should place into ENF 3 or higher to be eligible for consideration in the first round of selection. Should openings still be available, persons who apply or meet requirements after May 10, or score lower than cut score on the reading exam will be considered.

### PROGRAM REQUIREMENTS:

**Physical Requirements:** An EMS provider is faced with many physical and psychological challenges. Please refer to the Office of Emergency

Medical Services web site for a more detailed functional job description <http://www.vdh.virginia.gov/content/uploads/sites/23/2017/04/BLS-Student-Handouts-for-Initial-Certification-Programs.pdf> pp. 17-25.

**Academic Requirements:** Students must make a "C" or better in all program cores courses. Any student receiving a grade less than "C" will be placed on programmatic academic probation. That course shall be remediated. Remediated course must be completed with a final grade of "C" or better.

**Clinical and Behavioral Requirements:** Selected and supervised student experience is required by the program and will be accomplished at selected, regional health care facilities. The student is responsible for transportation to these facilities, as well as to any scheduled field trips.

Program preceptors will observe and evaluate the student's suitability for the profession. If the student does not exhibit those documented behaviors required of the EMS professional, the student might be asked to withdraw from the program.

**Other Requirements:** Applicants accepted to the program are required to submit a health certificate signed by a licensed physician, physician's assistant or RNP and should include documentation of measles, mumps, Rubella (MMR) and chicken pox exposure or inoculations; documentation of Hepatitis B inoculation; Tuberculosis testing; and overall general health of the applicant. A criminal background check and drug screening is also done to confirm compliance with state regulations. See <http://www.vdh.virginia.gov/content/uploads/sites/23/2017/04/BLS-Student-Handouts-for-Initial-Certification-Programs.pdf> pp. 6-7.

The purchase of items such as uniforms, liability insurance and other accessories is the financial responsibility of the individual student. Students who elect to take support courses recommended by the Program Director prior to formal acceptance into the program will find this activity to be advantageous in subsequent course scheduling.

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
<b>First Semester (Summer)</b>				
EMS 100	<sup>1</sup> CPR for Healthcare Providers	1	0	1
EMS 111	Emergency Medical Technician	5	4	7
EMS 120	EMT – Basic Clinical	0	2	1
BIO 145	<sup>2</sup> Human Anatomy & Physiology for Health Sciences	3	3	4
<b>Total</b>		<b>9</b>	<b>9</b>	<b>13</b>
<b>Second Semester (Fall)</b>				
SDV 100	<sup>3</sup> College Success Skills	1	0	1
EMS 121	Preparatory Foundations	2	0	2
EMS 123	EMS Clinical Preparation	0	2	1
EMS 125	Basic Pharmacology	1	0	1
EMS 126	Basic Pharmacology Lab	0	2	1
EMS 127	Airway, Shock and Resuscitation	1	0	1
EMS 128	Airway, Shock and Resusc. Lab	0	2	1
EMS 135	Emergency Medical Care	2	0	2
EMS 136	Emergency Medical Care Lab	0	2	1
EMS 137	Trauma Care	1	0	1
EMS 138	Trauma Care Lab	0	2	1
<b>Total</b>		<b>8</b>	<b>10</b>	<b>13</b>
<b>Third Semester (Spring)</b>				
EMS 139	Special Populations	1	0	1
EMS 140	Special Populations Lab	0	2	1
EMS 141	Cardiovascular Care	1	0	2
EMS 142	Cardiovascular Care Lab	0	2	1
EMS 175	Paramedic Clinical Experience I	0	6	2
ENG 111	College Composition I	3	0	3
PSY 230	<sup>4</sup> Developmental Psychology	3	0	3
<b>Total</b>		<b>8</b>	<b>10</b>	<b>13</b>

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
<b>Fourth Semester (Fall)</b>				
EMS 202	Paramedic Pharmacology	2	0	2
EMS 203	Advanced Patient Care	2		2
EMS 204	Advanced Patient Care Lab	0	2	2
EMS 206	Pathophysiology for Health Professions	3	0	3
EMS 247	Paramedic Clinical Experience II	0	3	1
EMS 248	Paramedic Comprehensive Field Experience	0	6	2
<b>Total</b>		<b>7</b>	<b>11</b>	<b>12</b>
<b>Fifth Semester (Spring)</b>				
EMS 210	EMS Operations	0	2	1
EMS 212	Leadership and Professional Development	1	0	1
EMS 165	Advanced Cardiac Life Support	1	0	1
EMS 163	Prehospital Trauma Life Support	1	0	1
EMS 167	Emergency Pediatric Care	1	0	1
EMS 164	Advanced Medical Life Support	1	0	1
EMS 216	Paramedic Review	0	2	1
EMS 249	Paramedic Capstone Internship	0	6	2
HUM	<sup>5</sup> Humanities Elective	3	0	3
EEE	<sup>6</sup> General Education Elective	3	0	3
<b>Total</b>		<b>11</b>	<b>10</b>	<b>15</b>
<b>Total Minimum Credits for EMS Technology Major</b>				<b>64</b>

**Footnotes:**

1. HLT 105 is an approved substitute.
2. Taking both BIO 141 and BIO 142 are an approved substitute to BIO 145. Please note that students who complete BIO 141 and BIO 142 are exempt from completing the General Education Elective (3 credits) in the 5<sup>th</sup> semester (see footnote 6 below).
3. SDV 101 is an approved substitute.
4. PSY 200, SOC 247, and SOC 268 are approved substitutes for PSY 230.
5. Approved Humanities Electives: ART 101, ENG 241, 243, 251, MUS 121, REL 230.
6. The general education elective must be a course in one of the general education categories – communication, humanities/fine arts, social/behavioral sciences, or natural sciences/mathematics. Students who complete BIO 141 and BIO 142 in lieu of BIO 145 are exempt from the general education elective.

# Practical Nursing

## Certificate

**Program Coordinator:** Alicia Roberts, RN  
276-739-2439 • [aroberts2@vhcc.edu](mailto:aroberts2@vhcc.edu)

**Length:** Three semesters

**Purpose:** The 12 month certificate curriculum in practical nursing is designed to prepare selected students to qualify as contributing members of the health team providing safe and competent nursing care under the direction of registered nurses and doctors. Upon successful completion of the curriculum, students will be eligible to take the National Council Licensure Examination PN leading to licensure as a Licensed Practical Nurse (LPN).

**Occupational Objective:** Employment opportunities for the LPN include, but are not limited to, staff positions in hospitals, long-term care facilities, physician's offices, clinics, home health agencies, public schools, day care centers, and other health related agencies under the direction of registered nurses and doctors.

**Admission Requirements:** Admission to the VHCC Practical Nursing Program is a selective process. The program is open to applicants who are free of any physical or mental condition which might adversely affect performance as a member of the healthcare team. In addition to the requirements for admission to the college, the applicant must meet the following requirements by the application deadline:

1. Graduation from high school or satisfactory completion of the GED.
2. Good standing with the most recently attended institution with a minimum GPA of 2.0.
3. Demonstrated competency in mathematics as evidenced by:  
Proficiency in MTE 1-4 demonstrated by Virginia Placement Test (within the last 5 years),  
**OR** completion of a college level math course (MTH 146 or higher) with grade of C or better,  
**OR** SAT Score of 510-520/ACT Score 19-21 (within the last 5 years),  
**OR** GED- Math score of 165 or above (within the last 5 years),  
**OR** has successfully completed developmental courses (within the last 5 years),  
**OR** High School GPA (HSGPA) & Algebra II, 3.0 or higher (within the last 5 years).
4. Demonstrated competency in English as evidenced by:  
Virginia Placement Test with placement in ENG 111 (within the last 5 years),

**OR** Informed Self-Placement,

**OR** completion of an associate degree or higher,

**OR** completion of a college level English course with grade of C or better,

**OR** ACT Reading and Writing Score 18 or above (ENG 111), 15-17 (ENF 3/ENG 111), (within the last 5 years),

**OR** SAT Reading/Writing 480 or above (ENG 111), 460-470 (ENF3/ENG 111), (within the last 5 years),

**OR** GED- English score of 165 or above (within the last 5 years),

**OR** has successfully completed developmental courses (within the last 5 years)

**OR** High School GPA (HSGPA) 3.0 or higher (ENG 111), HSGPA 2.7-2.9 (ENF3/ENG 111), (within the last 5 years)

5. Demonstrated competency in Biology as evidenced by completion of one unit of High School Biology or the college equivalent with a grade of "C" or better,

**OR** completion of BIO 145 with a grade of "C" or better,

**OR** completion of BIO 141 and BIO 142 with no grade below a "C".

6. Completion of the Test of Essential Academic Skills (TEAS) with a National Percentile Rank score of 40 or above.

7. A 2.0 grade point average (GPA) for high school courses\*\* or a 2.0 curricular GPA for college coursework.

8. College students must be in good standing with the most recently attended institution with a minimum GPA of 2.0.

9. Completion of Practical Nursing Application for each academic year interested in being considered.

**Application:** Practical nursing program application packets will be accepted in the Admissions Office through May 21, 2018. Packets must include official high school transcripts, all college transcripts; GED test scores (if applicable), and TEAS test results.

Once a packet is submitted, additional documentation will not be accepted. If not all transcripts are included, the Admissions Office will suspend processing an application.

Transcripts from other Virginia Community Colleges are not required; however, any Virginia Community Colleges attended must be listed on both the Admissions Application and the Practical Nursing Application.

All prerequisites (general biology, English and math proficiency) must be met and all documents submitted by the application deadline.

Further details of the application process can be found at [www.vhcc.edu](http://www.vhcc.edu) (click Future Students > Admissions > Applications & Forms > Medical Program Applications).

Out-of-region applicants will only be considered for openings in the practical nursing program after all qualified in-region applicants are considered (see VHCC Student Handbook, Admission Priorities). To be considered in-region, an applicant must be domiciled within the service region for 12 months prior to the program application deadline.

**Program Requirements:** Prior to enrollment in any PNE course, the student must provide the following documentation:

1. Required Student Forms.
2. Annual Student Statement of Health Form
3. Student Information, Physical, Immunization Forms.
  - a. A physical examination from must be completed by a medical practitioner, MD, PA, or CNP.
  - b. Immunizations including tetanus, Mumps-Measles-Rubella (MMR), Varicella, and Hepatitis B.
  - c. Current testing for tuberculosis, either Mantoux Tuberculin Skin Test (TB Tine Test is not accepted) or chest X-ray.
  - d. Documentation of ability to perform physical demands required in direct patient care activities.
4. Purchase a background check, drug screen, and medical document package.
5. Clearance of criminal background check and drug testing.
6. Proof of CPR certification, American Heart Association, Basic Life Support (BLS) for Healthcare Providers completed during the summer (May 15 – August 1) prior to admission to PNE courses and maintained throughout the program.
7. Additional annual immunization requirements: Flu immunizations are required by most healthcare agencies and are usually available in fall semester.

The cost of these requirements is the responsibility of the student.

**Special Note:** The State Board of Nursing has the authority to deny license to any applicant who has violated any of the provisions of 54.1-3007 of the Code of Virginia. Most healthcare organizations are prohibited from hiring persons who have been convicted of certain criminal acts (For a list of crimes under this category refer to the Virginia Board of Nursing webpage under the heading, Licensure/Applicants: Article 90-55, click on the link, [Joint statement of the Department of Health and The Department of Health Professions on Impact of Criminal Convictions on Nursing Licensure or Certification and Employment in Virginia, Revised November 2015](#)). Students with convictions or positive drug tests may be prohibited from clinical practice and may not be able to complete the program requirements.

**Physical Demands:** Program activities include duties that frequently require squatting, bending, kneeling, reaching, and stair climbing; lifting and carrying up to 50 pounds; frequent pushing and pulling up to 200 pounds with assistance; occasional lifting up to 200 pounds with assistance and occasional carrying up to 51-74 pounds. Duties also require constant use of acute sense of sight, hearing, touch, and speech.

Environmental conditions include procedures that involve handling blood and body fluids using universal precautions.

**Course Requirements:** The student is required to complete a sequence of courses and learning experiences provided at the college and selected community agencies such as hospitals, long-term care facilities, clinics, physicians' offices and comparable facilities. The practical nursing faculty will observe and evaluate the student's suitability for nursing and direct patient care.

Students must complete all courses sequentially as listed in the curriculum. A student must have a "C" or above in theory plus "satisfactory" in clinical performance in all nursing courses to remain in the program. A grade of "C" or above in any related requirements is a prerequisite for continuing in the nursing program.

The nursing program faculty reserves the right to recommend, through appropriate channels, the withdrawal of any student who does not exhibit suitable demeanor/attendance.

**Program Progression:** Students must earn a minimum grade of "C" in all required courses and maintain a minimum cumulative GPA of 2.0 to remain eligible for continued enrollment in the nursing program. Any student who earns a final grade lower than a "C" in a required course (either general education or nursing courses) must repeat the course and earn a final grade of "C" or better before taking the next course in the sequence.

A student must obtain permission from the Dean of Nursing and Allied Health to continue in the Practical Nursing Program under the following conditions:

1. Repeating a course with a grade below "C"
2. Withdrawal from a nursing course
3. Cumulative GPA below 2.0.

**Reapplication/Readmission Requirements:** Students who are not successful in the first practical nursing course, PNE 161, must reapply to the program. A new practical nursing program application packet must be submitted by the application deadline.

A student who wishes to reenter the practical nursing curriculum at any other level must write a letter to the program coordinator and the dean of nursing and allied health requesting readmission in the semester prior to the semester of enrollment. Re-enrollment must occur no later than three years from successful completion of PNE 161 or the student will have to repeat all practical nursing courses.

The student may be required to enroll in and satisfactorily complete specific courses before readmission. Additional data may be required including a new criminal background check and medical records.

The decision to readmit will be based on additional data, prior performance in the practical nursing program, and space availability.

Based on the course(s) that must be repeated, the student who is readmitted may be required to complete a skills competency course or demonstrate competency in critical nursing skills before progressing to the next level.

A student who has two academic failures or withdrawals in separate semesters will be ineligible for reenrollment in the program. Such a student may not be readmitted if the cumulative grade point average is less than 2.0, including all courses attempted other than practical nursing courses.

According to the VCCS Policy 5.6.3 and VHCC Policy 5.7.4 "A student will normally be limited to two enrollments in the same credit course." Any exception to this policy must be approved by the program dean and the vice president of instruction and student services.

**Financial Requirements:** In addition to the usual college tuition and fees, the practical nursing program requires uniforms with accessories, textbooks, progressive testing and remediation program, physical exam, immunizations, Mantoux Tuberculin Skin Test or chest x-ray, a background check, drug screen, and medical document package, CPR Certification, and HIPAA Certification.

Students are also responsible for transportation to and from the College and health agencies used for clinical experiences.

**Clinical Contracts:** Virginia Highlands Community College has contracts with clinical agencies for both student and patient safety. If students

cannot comply with these contractual requirements, they will not be able to participate in clinical activities and will be asked to withdraw from the program. General guidelines follow:

1. Clinical agencies reserve the right to dismiss a student from their agency at any time with due cause. This will be done with advance notice except in an emergency.
2. Published policies of the clinical agency must be followed. Each student must successfully complete an orientation program prior to participating in activities at any clinical facility.
3. Clinical facilities require that all students have documentation of ability to perform the physical demands required in direct patient care activities.
4. Immunizations must be current.
5. Student releases any clinical agency, its agents and employees from any liability for any injury or death to himself or damage to his property arising out of agreement or use of the clinical agencies.
6. Proof of HIPAA and CPR Certification must be provided.

**Curriculum:** The practical nursing certificate program offers an opportunity for recent high school graduates and other eligible adults to complete the program requirements after 12 months of full time attendance (1 summer session and 2 semesters).

Students have the option to complete all general education courses required by the practical nursing certificate curriculum before beginning nursing classes.

**Please Note:** The PN program will begin in fall 2018. Beginning 2019, the PN program will begin during the summer sessions. Both the 2018-2019 curriculum plan and the 2019-2020 curriculum plan are listed below.

### 2018-2019 Curriculum

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
<b>First Semester (Fall)</b>				
BIO 145	Human Anatomy & Physiology for Health Sciences	3	3	4
PNE 161	Nursing in Health Changes I	4	6	6
PNE 173	Pharmacology for Practical Nurses	2	0	2
ENG 111	College Composition I	3	0	3
SDV 101	Orientation to College Success	1	0	1
<b>Total</b>		<b>13</b>	<b>9</b>	<b>16</b>
<b>Second Semester (Spring)</b>				
PNE 162	Nursing in Health Changes II	6	12	10
ITE 119	Information Literacy	3	0	3
PSY 230	Developmental Psychology	3	0	3
PNE 145	Trends in Practical Nursing	1	0	1
<b>Total</b>		<b>12</b>	<b>12</b>	<b>17</b>
<b>Third Semester (Summer)</b>				
PNE 163	Nursing in Health Changes III	4	15	9
<b>Total</b>		<b>4</b>	<b>15</b>	<b>9</b>
<b>Total Minimum Credits for PN Program</b>				<b>42</b>

#### Footnotes:

1. BIO 141 and 142 are acceptable substitutes recommended for progression to the LPN to RN Program.

**2019-2020 Curriculum**

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
<b>First Semester (Summer)</b>				
BIO 145	<sup>1</sup> Human Anatomy & Physiology for Health Sciences	3	3	4
PSY 230	Developmental Psychology	3	0	3
ITE 119	Information Literacy	3	0	3
ENG 111	College Composition I	3	0	3
SDV 101	Orientation to College Success	1	0	1
<b>Total</b>		<b>13</b>	<b>3</b>	<b>14</b>
<b>Second Semester (Fall)</b>				
PNE 161	Nursing in Health Changes I	4	6	6
PNE 162	Nursing in Health Changes II	6	12	10
<b>Total</b>		<b>10</b>	<b>18</b>	<b>16</b>
<b>Third Semester (Spring)</b>				
PNE 163	Nursing in Health Changes III	4	15	9
PNE 145	Trends in Practical Nursing	1	0	1
PNE 173	Pharmacology for Practical Nurses	2	0	2
<b>Total</b>		<b>7</b>	<b>15</b>	<b>12</b>
<b>Total Minimum Credits for PN Program</b>				<b>42</b>

**Footnote:**

1. BIO 141 and 142 are acceptable substitutes recommended for progression to the LPN to RN Program.

# Advanced Emergency Medical Technician

## Career Studies Certificate

**Program Coordinator:** Bill Akers, Jr., MS, NRP, Program Director  
276-964-7729 • [bill.akers@sw.edu](mailto:bill.akers@sw.edu)

**Length:** Two semesters

*Offered in cooperation with Southwest Virginia Community College. Degree awarded by Virginia Highlands Community College.*

**Purpose:** The purpose of this curriculum is to produce competent entry-level Advanced EMTs who can provide advanced emergency care. Upon completion of the program, students will be eligible for National Registry testing and certification. This credential leads to Advanced EMT certification in Virginia and most other states. Employment opportunities for Advanced EMTs are available with ambulance; fire and rescue services; hospitals; local, state and federal government agencies.

**Program Goals:** At the completion of the program the graduate will be able to demonstrate:

1. The Ability to comprehend, apply, and evaluate the clinical information relative to his role as an entry-level Advanced EMT;
2. Technical proficiency in all skills necessary to fulfill the role of an entry-level Advanced EMT; and
3. Personal behaviors consistent with professional and employer expectations for the entry-level Advanced EMT.

**Accreditation:** This program is accredited nationally by the Committee on Accreditation of Allied Health Educational Programs (CAAHEP), 25400 U.S. Highway 19 North, Suite 158, Clearwater FL, 33763, phone 727-210-2350.

**Admission Requirements:** Prior to the starting program courses, the applicant must:

1. Meet eligibility requirements as stipulated by the Virginia Office of EMS; and
2. Meet the college's general admission requirements.

**Selection Process:** To be eligible for selection to the program, interested person should complete the following process by May 10:

1. Submit a college admission application.
2. Submit an application to the program (separate document) with required attachments.
3. Complete the VPT English and Math assessment. To enroll in EMS courses the student must test above ENF 1 and MTE 1 on the college placement test or have equivalent scores on the ACT, SAT, etc. (or submit satisfactory SAT or ACT scores).
4. Have transcripts of previous college courses sent to the college.

At that time the first round of students will be selected. Selection will be based on previous college coursework, entrance exam, skill assessment, and college placement reading scores. Students should place into ENF 3 or higher to be eligible for consideration in the first round of selection. Should openings still be available, persons who apply or meet requirements after May 10, or score lower than cut score on the reading exam will be considered.

### PROGRAM REQUIREMENTS:

**Physical Requirements:** An EMS provider is faced with many physical and psychological challenges. Please refer to the Office of Emergency Medical Services web site for a more detailed functional job description <http://www.vdh.virginia.gov/content/uploads/sites/23/2017/04/BLS-Student-Handouts-for-Initial-Certification-Programs.pdf> pp. 17-25.

**Academic Requirements:** Students must make a "C" or better in all program cores courses. Any student receiving a grade less than "C" will be placed on programmatic academic probation. That course shall be remediated. Remediated course must be completed with a final grade of "C" or better.

**Clinical and Behavioral Requirements:** Selected and supervised student experience is required by the program and will be accomplished at selected, regional health care facilities. The student is responsible for transportation to these facilities, as well as to any scheduled field trips. Program preceptors will observe and evaluate the student's suitability for the profession. If the student does not exhibit those documented behaviors required of the EMS professional, the student might be asked to withdraw from the program.

**Other Requirements:** Applicants accepted to the program are required to submit a health certificate signed by a licensed physician, physician's assistant or RNP and should include documentation of measles, mumps, Rubella (MMR) and chicken pox exposure or inoculations; documentation of Hepatitis B inoculation; Tuberculosis testing; and overall general health of the applicant. A criminal background check and drug screening is also done to confirm compliance with state regulations. See <http://www.vdh.virginia.gov/content/uploads/sites/23/2017/04/BLS-Student-Handouts-for-Initial-Certification-Programs.pdf> pp. 6-7.

The purchase of items such as uniforms, liability insurance and other accessories is the financial responsibility of the individual student. Students who elect to take support courses recommended by the Program Director prior to formal acceptance into the program will find this activity to be advantageous in subsequent course scheduling.

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
<b>First Semester (Fall)</b>				
EMS 100	<sup>1</sup> CPR for Healthcare Providers	1	0	1
EMS 111	Emergency Medical Technician	5	4	7
EMS 120	EMT – Basic Clinical	0	2	1
SDV 100	<sup>2</sup> College Success Skills	1	0	1
<b>Total</b>		<b>7</b>	<b>6</b>	<b>10</b>
<b>Second Semester (Spring)</b>				
EMS 121	Preparatory Foundations	2	0	2
EMS 123	EMS Clinical Preparation	0	2	1
EMS 125	Basic Pharmacology	1	0	1
EMS 126	Basic Pharmacology Lab	0	2	1
EMS 127	Airway, Shock and Resuscitation	1	0	1
EMS 128	Airway, Shock and Resusc. Lab	0	2	1
EMS 135	Emergency Medical Care	2	0	2
EMS 136	Emergency Medical Care Lab	0	2	1
EMS 137	Trauma Care	1	0	1
EMS 138	Trauma Care Lab	0	2	1
EMS 170	ALS Internship I	0	3	1
<b>Total</b>		<b>7</b>	<b>13</b>	<b>13</b>
<b>Total Minimum Credits for Career Studies Certificate</b>				<b>23</b>

### Footnotes:

1. HLT 105 is an approved substitute.
2. SDV 101 is an approved substitute.

# Intermediate to Paramedic Bridge

## Career Studies Certificate

**Program Coordinator:** Bill Akers, Jr., MS, NRP, Program Director  
276-964-7729 • [bill.akers@sw.edu](mailto:bill.akers@sw.edu)

**Length:** Three semesters

*Offered in cooperation with Southwest Virginia Community College. Degree awarded by Virginia Highlands Community College.*

**Purpose:** The purpose of this curriculum is to produce competent entry-level Paramedics who can provide the highest level of out-of-hospital care. Upon completion of the program, students will be eligible for National Registry testing and certification. This credential leads to Paramedic licensure or certification in Virginia and most other states. Employment opportunities for Paramedics are available with ambulance; fire and rescue services; hospitals; local, state and federal government agencies.

**Program Goals:** At the completion of the program the graduate will be able to demonstrate:

1. The Ability to comprehend, apply, and evaluate the clinical information relative to his role as an entry-level paramedic;
2. Technical proficiency in all skills necessary to fulfill the role of an entry-level paramedic; and
3. Personal behaviors consistent with professional and employer expectations for the entry-level paramedic.

**Accreditation:** This program is accredited nationally by the Committee on Accreditation of Allied Health Educational Programs (CAAHEP), 25400 U.S. Highway 19 North, Suite 158, Clearwater FL, 33763, phone 727-210-2350.

**Admission Requirements:** Prior to the starting program courses, the applicant must:

1. Meet eligibility requirements as stipulated by the Virginia Office of EMS; and
2. Meet the college's general admission requirements.
3. Be certified as an EMT-Intermediate and have three years' experience at or above that level.

**Selection Process:** To be eligible for selection to the program, interested person should complete the following process by May 10:

1. Submit a college admission application.
2. Submit an application to the program (separate document) with required attachments.
3. Complete the VPT English and Math assessment. To enroll in EMS courses the student must test above ENF 1 and MTE 1 on the college placement test or have equivalent scores on the ACT, SAT, etc. (or submit satisfactory SAT or ACT scores).
4. Have transcripts of previous college courses sent to the college.

At that time the first round of students will be selected. Selection will be based on previous college coursework, entrance exam, skill assessment, and college placement reading scores. Students should place into ENF 3 or higher to be eligible for consideration in the first round of selection. Should openings still be available, persons who apply or meet requirements after May 10, or score lower than cut score on the reading exam will be considered.

### PROGRAM REQUIREMENTS:

**Physical Requirements:** An EMS provider is faced with many physical and psychological challenges. Please refer to the Office of Emergency Medical Services web site for a more detailed functional job description <http://www.vdh.virginia.gov/content/uploads/sites/23/2017/04/BLS-Student-Handouts-for-Initial-Certification-Programs.pdf> pp. 17-25.

**Academic Requirements:** Students must make a "C" or better in all program cores courses. Any student receiving a grade less than "C" will be placed on programmatic academic probation. That course shall be remediated. Remediated course must be completed with a final grade of "C" or better.

**Clinical and Behavioral Requirements:** Selected and supervised student experience is required by the program and will be accomplished at selected, regional health care facilities. The student is responsible for transportation to these facilities, as well as to any scheduled field trips. Program preceptors will observe and evaluate the student's suitability for the profession. If the student does not exhibit those documented behaviors required of the EMS professional, the student might be asked to withdraw from the program.

**Other Requirements:** Applicants accepted to the program are required to submit a health certificate signed by a licensed physician, physician's assistant or RNP and should include documentation of measles, mumps, Rubella (MMR) and chicken pox exposure or inoculations; documentation of Hepatitis B inoculation; Tuberculosis testing; and overall general health of the applicant. A criminal background check and drug screening is also done to confirm compliance with state regulations. See <http://www.vdh.virginia.gov/content/uploads/sites/23/2017/04/BLS-Student-Handouts-for-Initial-Certification-Programs.pdf> pp. 6-7.

The purchase of items such as uniforms, liability insurance and other accessories is the financial responsibility of the individual student. Students who elect to take support courses recommended by the Program Director prior to formal acceptance into the program will find this activity to be advantageous in subsequent course scheduling.

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
<b>First Semester (Summer)</b>				
EMS 123	EMS Clinical Preparation	0	2	1
EMS 213	Paramedic Skills Review	0	4	2
BIO 145	Human Anatomy & Physiology	3	3	4
<b>Total</b>		<b>39</b>	<b>9</b>	<b>7</b>
<b>Second Semester (Fall)</b>				
EMS 202	Paramedic Pharmacology	2	0	2
EMS 203	Advanced Patient Care	2	0	2
EMS 204	Advanced Patient Care Lab	0	2	2
EMS 206	Pathophysiology for Health Professions	3	0	3
EMS 247	Paramedic Clinical Experience II	0	3	1
EMS 248	Paramedic Comprehensive Field Experience	0	6	2
<b>Total</b>		<b>7</b>	<b>11</b>	<b>12</b>
<b>Third Semester (Spring)</b>				
EMS 210	EMS Operations	0	2	1
EMS 212	Leadership and Professional Development	1	0	1
EMS 165	Advanced Cardiac Life Support	1	0	1
EMS 163	Prehospital Trauma Life Support	1	0	1
EMS 167	Emergency Pediatric Care	1	0	1
EMS 164	Advanced Medical Life Support	1	0	1
EMS 216	Paramedic Review	0	2	1
EMS 249	Paramedic Capstone Internship	0	6	2
<b>Total</b>		<b>8</b>	<b>10</b>	<b>13</b>

### Footnotes:

1. EMS 213 MUST be passed to receive credit for 1st year courses.
2. Students should take BIO 141 and 142 or BIO 145. It is recommended that students who are planning to transfer to another medically related program complete BIO 141-142.



**100 VHCC Drive, Abingdon, VA 24210**  
**www.vhcc.edu | (276)739-2400**  
info@vhcc.edu

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