

**EMERGENCY MEDICAL Services**  
**Associate in Applied Science Degree**  
 (Christanna and John H. Daniel Campuses)

**Purpose:** The Associate in Applied Science (A.A.S.) degree program in Emergency Medical Services (EMS) is designed to provide a broad-based knowledge of current and future advances in the Emergency Medical Services field. It will prepare students for an exciting position in emergency medical services as a volunteer or career member, while enhancing career hiring and advancement opportunities for existing career personnel.

**Program Goals:** This program is designed to qualify students for securing a job in any of the multiple opportunities that exist within the emergency medical services field. Additionally, many emergency medical providers will need this degree to position themselves for advancement in the emergency medical service or related occupations. The program also provides knowledge in many areas of patient care that are critical in the development of community volunteer fire and rescue personnel.

**Occupational Objectives:** Personal development of volunteer or career emergency medical service personnel for

positions as an emergency medical technician, paramedic, EMS officer, or EMS instructor, rescue technician, emergency manager, or other related positions.

**Admission Requirements:** Entry into the Emergency Medical Services program requires the general college admission process, which includes a college placement test.

**Program Description:** This associate degree program is designed to provide the knowledge and skills needed for professional development in the emergency medical services community. Students who enter the Emergency Medical Services program should interview with the EMS program advisor prior to or during their first semester to map their individual pathway for study in the Emergency Medical Services program.

**Requirements:**

There are no physical job requirements such as height, weight, eyesight, and physical dexterity to enter this college program. However, students should understand that there may be some requirements such as eligibility for certification from the Virginia Office of EMS, National Registry of EMS and employment requirements in many fire/rescue service agencies or in joining local volunteer fire/rescue departments.

<b>Course Number</b>	<b>Course Title</b>	<b>Lecture Hours</b>	<b>Lab Hours</b>	<b>Course Credits</b>
<b>FIRST SEMESTER</b>				
SDV 100	College Success Skills/Orientation	1	0	1
ENG 111	College Composition I	3	0	3
EMS 111	Emergency Medical Technician – Basic <sup>1</sup>	4	4	6
EMS 120	EMS-Basic Clinical	1	0	1
ITE 115	Intro to Computer Applications & Concepts	3	0	3
<b>Total</b>		<b>12</b>	<b>4</b>	<b>14</b>
<b>SECOND SEMESTER</b>				
EMS 151	Intro to Advanced Life Support	3	2	4
EMS 170	ALS Internship I	0	6	2
EMS 153	Basic ECG Recognition	2	0	2
EMS 157	ALS – Trauma Care	2	2	3
— —	Social Science Elective (1) <sup>2</sup>	3	0	3
<b>Total</b>		<b>11</b>	<b>10</b>	<b>14</b>

<b>Course Number</b>	<b>Course Title</b>	<b>Lecture Hours</b>	<b>Lab Hours</b>	<b>Course Credits</b>
<b>THIRD SEMESTER</b>				
EMS 155	ALS - Medical Care	3	2	4
EMS 159	ALS - Special Populations	1	2	2
EMS 172	ALS Clinical Internship II	0	6	2
EMS 173	ALS Field Internship I	0	3	1
— —	Lab Science Elective <sup>3</sup>	0	4	4
<b>Total</b>		<b>7</b>	<b>17</b>	<b>13</b>
<b>FOURTH SEMESTER<sup>4</sup></b>				
EMS 205	Advanced Pathophysiology <sup>5</sup>	3	0	3
EMS 207	Advanced Patient Assessment	2	2	3
EMS 242	ALS Clinical Internship III	0	6	2
EMS 243	ALS Field internship II	0	6	2
EMS 201	EMS Professional Development	2	0	2
EMS 165	Advanced Cardiac Life Support	1	0	1
EMS 169	Pediatric Advanced Life Support	1	0	1
— —	Social Science Elective (2) <sup>2</sup>	3	0	3
<b>Total</b>		<b>12</b>	<b>14</b>	<b>17</b>
<b>FIFTH SEMESTER</b>				
EMS 209	Advanced Pharmacology	3	2	4
EMS 211	EMS Operations	1	2	2
EMS 244	ALS Clinical Internship IV	0	6	2
EMS 245	ALS Field Internship III	0	6	2
EMS 163	Prehospital Trauma Life Support	1	0	1
— —	Humanities Elective <sup>6</sup>	3	0	3
		<b>8</b>	<b>15</b>	<b>14</b>

**Total Credits for A.A.S. Degree in Emergency Medical Services . . . . . 72**

**Notes:**

- <sup>1</sup> EMS 111 & EMS120 are taken together. Includes AHA Healthcare.
- <sup>2</sup> Psychology 230 and Sociology 200 are recommended. For students who plan to transfer, the student should select social science courses that will satisfy the requirements of the four-year institution that they plan to attend.
- <sup>3</sup> This course, which must include a laboratory, may be selected from biology, chemistry, or physics. BIO 100 and BIO 145 will satisfy this requirement.
- <sup>4</sup> Virginia EMS-Intermediate student must take EMS 213 to be eligible for enrollment in the forth semester EMS-Intermediate to Paramedic bridge EMS courses.
- <sup>5</sup> Minimum BIO 100 required for students who plan to take the fourth semester EMS 200 series courses.
- <sup>6</sup> A list of approved electives may be obtained from the Emergency Medical Services program advisor.