

Emergency Medical Science (A45340)

The Emergency Medical Science curriculum provides individuals with the knowledge, skills and attributes to provide advanced emergency medical care as a paramedic for critical and emergent patients who access the emergency medical system and prepares graduates to enter the workforce.

Students will gain complex knowledge, competency, and experience while employing evidence-based practice under medical oversight, and serve as a link from the scene into the healthcare system.

Graduates of this program may be eligible to take state and/or national certification examinations. Employment opportunities include providers of emergency medical services, fire departments, rescue agencies, hospital specialty areas, industry, educational and government agencies.

COURSE REQUIREMENTS

Richmond Community College provides day and evening course sequences for selected programs to enable students to better plan what courses to take to reach their educational goals. However, given the continued increase in the use of technology in instruction and increasing student demand for distance learning courses, the College may offer hybrid, online, web-based and information highway courses in place of traditional courses in any course sequence that is listed. Therefore, students should be aware of this possibility and prepare themselves to successfully function in a hybrid, online, web-based, or information highway course.

	Class	Lab	Work/ Clinical	Credit
A. General Education Courses				
1. Required Courses				
COM 231	Public Speaking	3	0	0 3
ENG 111	Writing and Inquiry	3	0	0 3
MAT 143	Quantitative Literacy	2	2	0 3
PSY 150	General Psychology	3	0	0 3
	Humanities/Fine Arts Elective*	3	0	0 3
B. Major Courses				
1. Core Courses				
<i>To receive a degree, diploma or certificate from RCC, a student must have a grade of "C" or better in all core courses for the program of study.</i>				
BIO 163	Basic Anatomy & Physiology	4	2	0 5
EMS 110	EMT	6	6	3 9
EMS 122	EMS Clinical Practicum I	0	0	3 1
EMS 130	Pharmacology	3	3	0 4
EMS 131	Advanced Airway Management	1	2	0 2
EMS 160	Cardiology I	2	3	0 3
EMS 220	Cardiology II	2	3	0 3
EMS 221	EMS Clinical Practicum II	0	0	6 2
EMS 231	EMS Clinical Practicum III	0	0	9 3
EMS 240	Patients with Special Challenges	1	2	0 2

EMS	241	EMS Clinical Practicum IV	0	0	12	4
EMS	250	Medical Emergencies	3	3	0	4
EMS	260	Trauma Emergencies	1	3	0	2
EMS	270	Life Span Emergencies	3	3	0	4
EMS	285	EMS Capstone	1	3	0	2
2. Other Major Courses						
MED	121	Medical Terminology I	3	0	0	3
or						
PED	110	Fitness and Wellness for Life	1	2	0	2
C. Other Required Courses						
ACA	122	College Transfer Success	0	2	0	1

Total Credit Hours**68-69**

*Approved Humanities/Fine Arts Electives are listed on the page before the Course Descriptions.

**SEMESTER SCHEDULE
EMERGENCY MEDICAL SERVICES (DAY)**

			Class	Lab	Work/ Clinical	Credit
First Year – Fall Semester						
ACA	122	College Transfer Success	0	2	0	1
BIO	163	Basic Anatomy & Physiology	4	2	0	5
EMS	110	EMT	6	6	3	9
			10	10	3	15
First Year – Spring Semester						
EMS	122	EMS Clinical Practicum I	0	0	3	1
EMS	130	Pharmacology	3	3	0	4
EMS	131	Advanced Airway Management	1	2	0	2
EMS	160	Cardiology I	2	3	0	3
ENG	111	Writing and Inquiry	3	0	0	3
MAT	143	Quantitative Literacy	2	2	0	3
			11	10	3	16
First Year – Summer Semester						
EMS	220	Cardiology II	2	3	0	3
EMS	221	EMS Clinical Practicum II	0	0	6	2
PSY	150	General Psychology	3	0	0	3
			5	3	6	8
Second Year – Fall Semester						
EMS	231	EMS Clinical Practicum III	0	0	9	3
EMS	240	Patients with Special Challenges	1	2	0	2
EMS	250	Medical Emergencies	3	3	0	4
EMS	260	Trauma Emergencies	1	3	0	2
EMS	270	Life Span Emergencies	3	3	0	4

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			8	11	9	15
		Second Year – Spring Semester				
COM	231	Public Speaking	3	0	0	3
EMS	241	EMS Clinical Practicum IV	0	0	12	4
EMS	285	EMS Capstone	1	3	0	2
MED	121	Medical Terminology I	3	0	0	3
		or				
PED	110	Fitness and Wellness for Life	1	2	0	2
		Humanities/Fine Arts Elective*	3	0	0	3
			—	—	—	—
			8-10	3-5	12	14-15

Total Credit Hours**68-69**

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