

PROGRAMS

EMERGENCY MEDICAL SCIENCE

Contact(s): [Scott Shew](#)

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.

Paramedic Program Outcomes Data

Characteristics of Paramedics

Paramedics have fulfilled prescribed requirements by a credentialing agency to practice the art and science of out-of-hospital medicine in conjunction with medical direction. Through the performance of assessments and providing medical care, their goal is to prevent and reduce mortality and morbidity due to illness and injury. Paramedics primarily provide care to emergency patients in an out-of-hospital setting.

Paramedics possess the knowledge, skills and attitudes consistent with the expectations of the public and the profession. Paramedics recognize that they are an essential component of the continuum of care and serve as linkages among health resources.

Paramedics strive to maintain high quality, reasonable cost health care by delivering patients directly to appropriate facilities. As an advocate for patients, paramedics seek to be proactive in affecting long term health care by working in conjunction with other provider agencies, networks, and organizations. The emerging roles and responsibilities of the Paramedic include public education, health promotion, and participation in injury and illness prevention programs. As the scope of service continues to expand, the Paramedic will function as a facilitator of access to care, as well as an initial treatment provider.

Paramedics are responsible and accountable to medical direction, the public, and their peers. Paramedics recognize the importance of research and actively participate in the design, development, evaluation, and publication of research. Paramedics seek to take part in life-long professional development, peer evaluation and assume an active role in professional and community organizations.

Course work includes instruction in medical and trauma patient assessment, basic and advanced airway management, pathophysiology, pharmacology, cardiology and electrocardiography, medical emergencies, trauma emergencies, patients with special challenges, obstetrics, pediatrics, EMS management, and clinical and field internship rotations.

Employment opportunities include private, hospital-based, and third-party Emergency Medical Services.

Program Goal

To prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.

Accreditation

The *Stanly Community College Emergency Medical Services – Paramedic Program* is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of *Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP)*.

Commission on Accreditation of Allied Health Education Programs
9355 - 113th St. N, #7709
Seminole, FL 33775
727-210-2350
<http://www.caahep.org>

Emergency Medical Science Degree – A45340

First Year		
Fall		Credit Hours
ACA 111	College Student Success	1
EMS 110	EMT	9
ENG 111	Writing and Inquiry	3
MAT 143	Quantitative Literacy	3
Credit Hours		16
Spring		Credit Hours

Programs

EMS 122	EMS Clinical Practicum I	1
EMS 130	Pharmacology	4
EMS 131	Advanced Airway Management	2
EMS 160	Cardiology I	3
Biology elective*		5
	Credit Hours	15
Summer		Credit Hours
EMS 210	Advanced Patient Assessment	2
EMS 220	Cardiology II	3
EMS 221	EMS Clinical Practicum II	2
PSY 150	General Psychology	3
	Credit Hours	10
Second Year		
Fall		Credit Hours
EMS 231	EMS Clinical Practicum III	3
EMS 240	Patients With Special Challenges	2
EMS 250	Medical Emergencies	4
EMS 260	Trauma Emergencies	2
EMS 270	Life Span Emergencies	4
	Credit Hours	15
Spring		Credit Hours
EMS 235	EMS Management	2
EMS 241	EMS Clinical Practicum IV	4
EMS 285	EMS Capstone	2
ENG 112 or ENG 114	Writing and Research in the Disciplines Professional Research & Reporting	3
Humanities elective*		3
	Credit Hours	14
	Total Credit Hours	70

Biology elective

Courses		Credit Hours
BIO 163	Basic Anatomy & Physiology	5
BIO 165	Anatomy and Physiology I	4
BIO 166	Anatomy and Physiology II	4
BIO 168	Anatomy and Physiology I	4
BIO 169	Anatomy and Physiology II	4

Emergency Medical Technician Certificate - C45340

Courses		Credit Hours
ACA 111	College Student Success	1

BIO 163	Basic Anatomy & Physiology	5
EMS 110	EMT	9
ENG 111	Writing and Inquiry	3
	Total Credit Hours	18

Emergency Medical Science CCP

Courses		Credit Hours
ACA 111	College Student Success	1
BIO 163	Basic Anatomy & Physiology	5
EMS 110	EMT	9
ENG 111	Writing and Inquiry	3
	Total Credit Hours	18

AGE Pathway

Courses		Credit Hours
ACA 111	College Student Success	1
BIO 163	Basic Anatomy & Physiology	5
CIS 110	Introduction to Computers	3
ENG 111	Writing and Inquiry	3
ENG 112 or ENG 114	Writing and Research in the Disciplines Professional Research & Reporting	3
MAT 143	Quantitative Literacy	3
PSY 150	General Psychology	3
AGE Electives *		40
Humanities *		3
	Total Credit Hours	64

AGE Pathway

Courses		Credit Hours
ACA 111	College Student Success	1
BIO 163	Basic Anatomy & Physiology	5
CIS 110	Introduction to Computers	3
ENG 111	Writing and Inquiry	3
ENG 112 or ENG 114	Writing and Research in the Disciplines Professional Research & Reporting	3
MAT 143	Quantitative Literacy	3
PSY 150	General Psychology	3
Electives *		40
Humanities *		3
	Total Credit Hours	64

Humanities list

Courses		Credit Hours
ART 111	Art Appreciation	3
ART 114	Art History Survey I	3
ART 115	Art History Survey II	3
DRA 111	Theatre Appreciation	3
ENG 125	Creative Writing I	3
HUM 120	Cultural Studies	3
HUM 122	Southern Culture	3
HUM 150	American Women's Studies	3
HUM 160	Introduction to Film	3
MUS 110	Music Appreciation	3
MUS 112	Introduction to Jazz	3
MUS 113	American Music	3
MUS 210	History of Rock Music	3
REL 110	World Religions	3
REL 211	Introduction to Old Testament	3
REL 212	Introduction to New Testament	3
REL 221	Religion in America	3

Elective list

Courses		Credit Hours
ART 111	Art Appreciation	3
ART 114	Art History Survey I	3
ART 115	Art History Survey II	3
ART 116	Survey of American Art	3
ART 117	Non-Western Art History	3
BIO 110	Principles of Biology	4
BIO 110	Principles of Biology	4
BIO 111	General Biology I	4
BIO 112	General Biology II	4
BIO 140	Environmental Biology	3
BIO 163	Basic Anatomy & Physiology	5
BIO 165	Anatomy and Physiology I	4
BIO 166	Anatomy and Physiology II	4
BIO 275	Microbiology	4
BUS 110	Introduction to Business	3
BUS 115	Business Law I	3
BUS 137	Principles of Management	3
CHM 131	Introduction to Chemistry	3

CHM 132	Organic and Biochemistry	4
CHM 151	General Chemistry I	4
CHM 152	General Chemistry II	4
CIS 110	Introduction to Computers	3
CIS 115	Introduction to Programming and Logic	3
CJC 111	Introduction to Criminal Justice	3
CJC 121	Law Enforcement Operations	3
CJC 141	Corrections	3
COM 231	Public Speaking	3
CSC 134	C++ Programming	3
CSC 139	Visual BASIC Programming	3
CSC 151	JAVA Programming	3
CTS 115	Information Systems Business Concepts	3
ECO 251	Principles of Microeconomics	3
ECO 252	Principles of Macroeconomics	3
EDU 216	Foundations of Education	3
ENG 111	Writing and Inquiry	3
ENG 112	Writing and Research in the Disciplines	3
ENG 114	Professional Research & Reporting	3
ENG 125	Creative Writing I	3
ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 241	British Literature I	3
ENG 242	British Literature II	3
HIS 111	World Civilizations I	3
HIS 112	World Civilizations II	3
HIS 121	Western Civilization I	3
HIS 122	Western Civilization II	3
HIS 131	American History I	3
HIS 132	American History II	3
HIS 236	North Carolina History	3
HUM 110	Technology and Society	3
HUM 115	Critical Thinking	3
HUM 120	Cultural Studies	3
HUM 121	The Nature of America	3
HUM 122	Southern Culture	3
HUM 150	American Women's Studies	3
HUM 160	Introduction to Film	3
HUM 180	International Cultural Exploration	3
MAT 143	Quantitative Literacy	3

Programs

MAT 152	Statistical Methods I	4
MAT 171	Precalculus Algebra	4
MAT 172	Precalculus Trigonometry	4
MAT 263	Brief Calculus	4
MAT 271	Calculus I	4
MAT 273	Calculus III	4
MUS 110	Music Appreciation	3
MUS 112	Introduction to Jazz	3
MUS 113	American Music	3
MUS 210	History of Rock Music	3
PED 111	Physical Fitness I	1
PED 113	Aerobics I	1
PED 120	Walking for Fitness	1
PHI 215	Philosophical Issues	3
PHI 240	Introduction to Ethics	3
PHY 110	Conceptual Physics	3
PHY 151	College Physics I	4
PHY 152	College Physics II	4
POL 120	American Government	3
POL 210	Comparative Government	3
PSY 150	General Psychology	3
PSY 237	Social Psychology	3
PSY 241	Developmental Psychology	3
PSY 263	Educational Psychology	3
PSY 281	Abnormal Psychology	3
REL 110	World Religions	3
REL 112	Western Religions	3
REL 211	Introduction to Old Testament	3
REL 212	Introduction to New Testament	3
REL 221	Religion in America	3
SOC 210	Introduction to Sociology	3
SOC 213	Sociology of the Family	3
SOC 232	Social Context of Aging	3
SPA 111	Elementary Spanish I	3
SPA 112	Elementary Spanish II	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Spanish Lab 1	1
SPA 182	Spanish Lab 2	1