



# Bachelor of Science in Emergency Medical Services

Degree Worksheet: 2020-2021 Catalog

As Pre-EMS majors, students become EMT-Basics and complete UNM and EMS core requirements. The focal point of the BS in EMS program is Paramedic Training, which is usually undertaken in the third year (application required). During the final year of the program, students complete advanced coursework in clinical EMS, research, and education. Please contact EMS Academic Advisement for degree planning guidance.

<b>Pre-EMS</b>	<b>Year 1 Fall</b>	<input type="checkbox"/> EMS 120 * Introduction to EMS Systems 3 cr <input type="checkbox"/> BIOL 1140 & 1140L • Biology for Health Sciences with Lab - 4 cr (or BIOL 2110C) <i>UNM Gen Ed Area 3: Physical/</i> [formerly BIOL 123 & 124L or 201L] <i>Natural Sciences</i> <input type="checkbox"/> ENGL 1110 Composition I 3 cr (or 1110Y or 1110Z) (placement required) [formerly ENGL 110 or 111/112 or 113] <input type="checkbox"/> MATH 1220 College Algebra - <i>UNM Gen Ed Area</i> 3 cr (or 1240 or 1430) <i>2: Mathematics</i> (placement required) [formerly MATH 121 or 150 or 180] <input type="checkbox"/> UNM General Education/Core Course 3 cr	<b>Year 1 Spring</b>	<input type="checkbox"/> CHEM 1215 & 1215L • General Chemistry I for STEM Majors 4 cr [formerly CHEM 121 & 123L] with Lab - <i>UNM Gen Ed Area 3:</i> <i>Physical/Natural Sciences</i> ♦ Pre-Health students: see advisor regarding science course selections <input type="checkbox"/> ENGL 1120 Composition II - <i>UNM Gen Ed Area 1:</i> 3 cr [formerly ENGL 120] <i>Writing &amp; Speaking</i> <input type="checkbox"/> MATH 1350 Introduction to Statistics - <i>UNM</i> 3 cr [formerly STAT 145] <i>Gen Ed Area 2: Mathematics</i> <input type="checkbox"/> UNM General Education/Core Course 3 cr <input type="checkbox"/> UNM General Education/Core Course (if needed) 3 cr	
	<b>Year 2 Fall</b>	<input type="checkbox"/> EMS 113 & 142 EMT-Basic & EMT-Basic Lab 10 cr <input type="checkbox"/> BIOL 2210 & 2210L Human Anatomy & Physiology I with 4 cr [formerly BIOL 237 & 247L] Lab <input type="checkbox"/> UNM General Education/Core Course (if needed) 3 cr  <input type="checkbox"/> <i>Indicates course that must be completed prior to Paramedic Program</i>	<b>Year 2 Spring - Paramedic Application Semester</b>	<input type="checkbox"/> BIOL 2225 & 2225L Human Anatomy & Physiology II with 4 cr [formerly BIOL 238 & 248L] Lab <input type="checkbox"/> PSYC 1110 Introduction to Psychology - <i>UNM Gen</i> 3 cr [formerly PSY 105] <i>Ed Area 4: Social &amp; Behavioral Sciences</i> <input type="checkbox"/> UNM General Education/Core Course 3 cr <input type="checkbox"/> UNM General Education/Core Course and/or Diversity Course 3 cr <input type="checkbox"/> UNM General Education/Core Course (if needed) 3 cr	
	<b>Paramedic Program</b>	<b>Year 3 Fall - Paramedic Phase I</b>	<input type="checkbox"/> EMS 309 Prehospital Emergency Medicine & 3 cr Operations <input type="checkbox"/> EMS 310 Prehospital Pharmacology 3 cr <input type="checkbox"/> EMS 311 Medical Assessment & Management 3 cr <input type="checkbox"/> EMS 312 Cardiovascular & Pulmonary 3 cr Emergencies <input type="checkbox"/> EMS 341 Paramedic Lab I 2 cr <input type="checkbox"/> EMS 351 Paramedic Clinical Rotation I 3 cr	<b>Year 3 Spring - Paramedic Phase II</b>	<input type="checkbox"/> EMS 320 Medical Emergencies 3 cr <input type="checkbox"/> EMS 321 Special Patient Populations 2 cr <input type="checkbox"/> EMS 331 Trauma Emergencies 2 cr <input type="checkbox"/> EMS 342 Paramedic Lab II 2 cr <input type="checkbox"/> EMS 400 Advanced Assessment 3 cr <input type="checkbox"/> EMS 352 Paramedic Clinical Rotation II 4 cr
		<b>Year 3 Summer - Paramedic Phase III</b>	<input type="checkbox"/> EMS 454 Paramedic Field Internship 4 cr	Admission to the Paramedic Program requires an application and is a competitive process. Applications are accepted once per year with a deadline of February 15. Please see advisor for guidance.	
<b>EMS Track(s)</b>		<b>Year 4 Fall</b>	<input type="checkbox"/> EMS 469 * Epidemiology & Statistics 3 cr <input type="checkbox"/> EMS Track/Elective Course (see reverse) 3 cr <input type="checkbox"/> EMS Track/Elective Course (see reverse) 3 cr <input type="checkbox"/> EMS Track/Elective Course (see reverse) 3 cr <input type="checkbox"/> EMS Track/Elective Course (see reverse) 3 cr	<b>Year 4 Spring</b>	<input type="checkbox"/> EMS 470 * EMS Research Analysis 3 cr <input type="checkbox"/> EMS Track/Elective Course (see reverse) 3 cr <input type="checkbox"/> EMS Track/Elective Course (see reverse) 3 cr <input type="checkbox"/> EMS Track/Elective Course (see reverse) 3 cr <input type="checkbox"/> EMS Track/Elective Course (see reverse) 3 cr

- Notes:**
- EMS courses denoted with a \* are typically offered online, and many General Education/Core courses are also offered online; see [schedule.unm.edu](http://schedule.unm.edu)
  - Previous numbers for courses that changed numbers in fall 2019 are listed in [brackets]; find common course numbering equivalencies at [advisement.unm.edu](http://advisement.unm.edu)
  - UNM General Education/Core course information is available at [gened.unm.edu](http://gened.unm.edu)
  - UNM US and Global Diversity and Inclusion Requirement listings can be found at [diverse.unm.edu](http://diverse.unm.edu)
  - All requirements detailed in the UNM Catalog must be met (residency, credit hours, GPA, etc.); see [catalog.unm.edu](http://catalog.unm.edu) for policies and requirements
  - Students must meet degree requirements in effect at the time of admission to the EMS Academy/School of Medicine unless otherwise approved

Admitted students will choose **one or more** of the following Programs of Study after Paramedic Training:

**Option 1: International Diploma in Mountain Medicine**

EMS Track 1	Year 4 Fall			Year 4 Spring			
	<input type="checkbox"/>	EMS 469 *	Epidemiology & Statistics	3 cr	<input type="checkbox"/>	EMS 470 *	EMS Research Analysis
<input type="checkbox"/>	EMS 403	Mountain Medicine	3 cr	<input type="checkbox"/>	EMS 404	Technical Rescue Course	3 cr
<input type="checkbox"/>	EMS 405	Austere Medicine	3 cr	<input type="checkbox"/>	EMS 408	Mountain Medicine Lab II	3 cr
<input type="checkbox"/>	EMS 406	Mountain Medicine Lab I	3 cr	<input type="checkbox"/>	EMS Elective		3 cr
<input type="checkbox"/>	EMS Elective		3 cr	<input type="checkbox"/>	EMS Elective		3 cr

**Option 2: International Disaster**

EMS Track 2	Year 4 Fall			Year 4 Spring			
	<input type="checkbox"/>	EMS 469 *	Epidemiology & Statistics	3 cr	<input type="checkbox"/>	EMS 470 *	EMS Research Analysis
<input type="checkbox"/>	EMS 455 *	Disaster & Emergency Management	3 cr	<input type="checkbox"/>	EMS 456 *	Social Dimension of Disaster	3 cr
<input type="checkbox"/>	EMS 458/498 *	International Disasters	3 cr	<input type="checkbox"/>	EMS Elective		3 cr
<input type="checkbox"/>	EMS Elective		3 cr	<input type="checkbox"/>	EMS Elective		3 cr
<input type="checkbox"/>	EMS Elective		3 cr	<input type="checkbox"/>	EMS Elective		3 cr

**Option 3: EMS Education/Instructor**

EMS Track 3	Year 4 Fall			Year 4 Spring			
	<input type="checkbox"/>	EMS 469 *	Epidemiology & Statistics	3 cr	<input type="checkbox"/>	EMS 470 *	EMS Research Analysis
<input type="checkbox"/>	EMS 423	Principles of Paramedic Lab Instruction	3 cr	<input type="checkbox"/>	EMS 424	Advanced Principles of Lab Instruction	3 cr
<input type="checkbox"/>	EMS 421	EMS Education Internship	3 cr	<input type="checkbox"/>	EMS 443 *	Educational Technology & Medical Sim	3 cr
<input type="checkbox"/>	EMS 441 *	Principles of EMS Education	3 cr	<input type="checkbox"/>	EMS Elective		3 cr
<input type="checkbox"/>	EMS Elective		3 cr	<input type="checkbox"/>	EMS Elective		3 cr

**Option 4: EMS Management & Operations**

EMS Track 4	Year 4 Fall			Year 4 Spring			
	<input type="checkbox"/>	EMS 469 *	Epidemiology & Statistics	3 cr	<input type="checkbox"/>	EMS 470 *	EMS Research Analysis
<input type="checkbox"/>	EMS 411 *	EMS Systems Mgmt & Public Policy	3 cr	<input type="checkbox"/>	EMS 412 *	EMS Service Operations	3 cr
<input type="checkbox"/>	MGMT 300 or 306 or 308	Operations Mgmt or Org Beh & Div or Ethical, Political, & Social Environ	3 cr	<input type="checkbox"/>	EMS 413	EMS Management Internship	3 cr
<input type="checkbox"/>	EMS Elective		3 cr	<input type="checkbox"/>	EMS Elective		3 cr
<input type="checkbox"/>	EMS Elective		3 cr	<input type="checkbox"/>	EMS Elective		3 cr

**Option 5: Pre-Health Professional (MD, PA, Graduate Allied Health)**

EMS Track 5	Year 4 Fall			Year 4 Spring			
	<input type="checkbox"/>	EMS 469 *	Epidemiology & Statistics	3 cr	<input type="checkbox"/>	EMS 470 *	EMS Research Analysis
<input type="checkbox"/>	Approved Science Course		3-4 cr	<input type="checkbox"/>	Approved Science Course		3-4 cr
<input type="checkbox"/>	Approved Science Course		3-4 cr	<input type="checkbox"/>	Approved Science Course		3-4 cr
<input type="checkbox"/>	Approved Science Course		3-4 cr	<input type="checkbox"/>	Approved Science Course		3-4 cr
<input type="checkbox"/>	Approved Science Course		3-4 cr	<input type="checkbox"/>	Approved Science Course		3-4 cr

*Pre-Health Professional students follow a modified course sequence. Science courses must be approved by EMS Academy. See advisor for guidance.*

**Option 6: Self-Designed EMS Track**

EMS Track 6	Year 4 Fall			Year 4 Spring			
	<input type="checkbox"/>	EMS 469 *	Epidemiology & Statistics	3 cr	<input type="checkbox"/>	EMS 470 *	EMS Research Analysis
<input type="checkbox"/>	EMS Elective or Approved Science Course		3 cr	<input type="checkbox"/>	EMS Elective or Approved Science Course		3 cr
<input type="checkbox"/>	EMS Elective or Approved Science Course		3 cr	<input type="checkbox"/>	EMS Elective or Approved Science Course		3 cr
<input type="checkbox"/>	EMS Elective or Approved Science Course		3 cr	<input type="checkbox"/>	EMS Elective or Approved Science Course		3 cr
<input type="checkbox"/>	EMS Elective or Approved Science Course		3 cr	<input type="checkbox"/>	EMS Elective or Approved Science Course		3 cr

**EMS Electives:**

EMS Electives may be selected from other EMS programs of study (above) or from approved EMS courses, including:

- EMS 398 EMS Topics (topics vary by semester)
- EMS 399 EMS Problems
- EMS 461 Advanced Pathophysiology
- EMS 475 Research in Acute Care
- EMS 498 EMS Topics (EMS Ultrasound, Intro to Tactical Emergency Medicine, and others; topics vary by semester)
- EMS 499 EMS Problems

*Course offerings vary by semester and year. Check UNM catalog and schedule for details. Contact EMS Academic Advisement for more information.*

**Note:** UNM graduation is not automatic. Students need to apply for graduation by the beginning of the semester prior to the semester of their intended graduation. See advisor for guidance. Failing to submit the application by the deadline may result in graduation being delayed.