

**DEGREE/PROGRAM CHANGE  
FORM C  
Form Number: C1643**

Fields marked with \* are required

**Name of Initiator:** Davette De La O-Sandoval    **Email:** [ddelaosandoval@unm.edu](mailto:ddelaosandoval@unm.edu)    **Phone Number:** 505 272-5757    **Date:** 05-27-2015

Associated Forms exist? Yes  Initiator's Title Academic Advisor: Emerg Med EMS Academy  
Faculty Contact Robert McDaniels    Administrative Contact Barbara Conely  
Department EMS    Admin Email [hsc-emsa@salud.unm.edu](mailto:hsc-emsa@salud.unm.edu)  
Branch    Admin Phone 272-5757

**Proposed effective term**

Semester Spring  Year 2016

**Course Information**

Select Appropriate Program Undergraduate Degree Program   
Name of New or Existing Program BS Emergency Medical Services  
Select Category Major  Degree Type BS  
Select Action Revision

Exact Title and Requirements as they should appear in the catalog. If there is a change, upload current and proposed requirements.

See current catalog for format within the respective college (upload a doc/pdf file)

[Revised Undergraduate Program 2015 incl courses.docx](#)

**Does this change affect other departmental program/branch campuses? If yes, indicate below.**

Reason(s) for Request (enter text below or upload a doc/pdf file)  
Corrected list of elective tracks for senior year.

Upload a document that includes justification for the program, impact on long-range planning, detailed budget analysis and faculty workload implications.(upload a doc/pdf file)

[Memo to Dr McLaughlin for Catalog Changes.docx.pdf](#)

**Are you proposing a new undergraduate degree or new undergraduate certificate? If yes, upload the following documents.**

Upload a two-page Executive Summary authorized by Associate Provost. (upload a doc/pdf file)

Upload memo from Associate Provost authorizing go-ahead to full proposal. (upload a doc/pdf file)

# Undergraduate Program

## Degree Offered

### **Bachelor of Science in Emergency Medical Services (B.S.)**

The Bachelor of Science in Emergency Medical Services (B.S.) degree is intended to prepare graduates to meet the professional requirements for pre-hospital emergency care providers. Completion of all of the paramedic core courses with a minimum grade of C is required for eligibility to apply for National Registry of EMTs examination and New Mexico Licensure.

The program accepts academic credit from accredited institutions of higher education for course work deemed equivalent to program requirements. Of the 132 credit hours required for the degree, a minimum of 30 credit hours in the Emergency Medical Services (EMS) major must be taken at the University of New Mexico to satisfy University residency requirements.

## Application and Admission Requirements

All students seeking acceptance to the School of Medicine Paramedic program must meet requirements for admission to the University. See the section in this catalog on Admissions for information on University admission requirements.

Applications are only accepted through an online application process. Check the [EMS Academy Web site](#) for application information. This application is in addition to the application for admission to the University as an undergraduate.

Screening for admission to the College is conducted at periodic intervals. All applications, fees and official transcripts must be received by the deadline. Students should submit applications early to allow for adequate advisement and processing of applications.

## Requirements for Admission

- 1 Submit application and required academic records by the deadline dates; successfully complete all Pre-Paramedic classes, with a 2.5 GPA or better, by the date specified in the current application packet for each option.
- 2 Additional information may be utilized to rank applicants; examples may include grade point average, interview, entrance exam, and geographical differences.

**NOTE:** Preference is given to New Mexico residents.

The School of Medicine, EMS Academy reserves the right to request the student supply any additional information as necessary. Students are expected to be fluent in the English language.

## Application Deadlines

Check the [EMS Academy Web site](#) for current application deadlines.

**Note:** Applicants should consult the [EMS Academy Web site](#) immediately prior to an application deadline to check for any deadline extensions.

## Bachelor of Science in Emergency Medical Services

### Requirements for Graduation

The B.S. in Emergency Medical Services is granted to students upon fulfillment of the following:

- 1) Completion of 132 credit hours of ~~coursework of from~~ the prescribed curriculum.
- 2) Completion of The University of New Mexico Core Curriculum.
- ~~3) Completion of at least 63 credit hours of upper division course work. Such courses are numbered 300 and above.~~
- 3) Compliance with the minimum residence requirements, as stated in the Undergraduate Program section of this catalog.
- 4) Maintenance of an overall grade point average of ~~2.0~~ 2.5 minimum.

- 5) Unanimous recommendation for the degree by the promotions and evaluation committee (PEC) and by the faculty of the School of Medicine.

### Curriculum for Pre-Paramedic

All students seeking a B.S. in EMS take the following courses:

-	<b>General Education Requirements</b>	<b>Credit Hours</b>
<b>First Year</b>		
ENGL 110 ( <del>or ENGL 112;</del> <del>or ENGL 113)</del>	<del>Accelerated Composition</del> <del>(or Composition II;</del> <del>or Enhanced Composition)</del>	3
ENGL 120	<del>Composition III</del>	3
CHEM 121	<del>General Chemistry I</del>	3
CHEM 123L	<del>General Chemistry I Laboratory</del>	1
BIOL 123	<del>Biology for Health-Related Sciences and Non-majors</del>	3
BIOL 124L	<del>Biology for Health-Related Sciences and Non-majors Laboratory</del>	1
MATH 121	<del>College Algebra</del>	3
STAT 145	<del>Introduction to Statistics</del>	3
UNM Core	<del>Area 4: Social and Behavioral Sciences</del>	6
UNM Core	<del>Area 5: Humanities</del>	6
UNM Core	<del>Area 7: Fine Arts</del>	3
	<del>—Subtotal</del>	<del>35</del>
<b>Second Year</b>		-
BIOL 237	<del>Human Anatomy and Physiology I for Health Sciences</del>	3

<del>BIOL 247L</del>	<del>Human Anatomy and Physiology I for Health Sciences Laboratory</del>	<del>1</del>
<del>BIOL 238</del>	<del>Human Anatomy and Physiology II for Health Sciences</del>	<del>3</del>
<del>BIOL 248L</del>	<del>Human Anatomy and Physiology II for Health Sciences Laboratory</del>	<del>1</del>
<del>UNM Core</del>	<del>Area 1: Writing and Speaking</del>	<del>3</del>
<del>UNM Core</del>	<del>Area 6: Foreign Language</del>	<del>3</del>
	<b><del>-Subtotal</del></b>	<b><del>14</del></b>
	<b><del>Prerequisite Courses</del></b>	
<del>EMS 113</del>	<del>EMT Basic</del>	<del>8</del>
<del>EMS 142</del>	<del>EMT Basic Lab</del>	<del>2</del>
<del>EMS 200</del>	<del>Medical Mathematics</del>	<del>1</del>
	<b><del>-Subtotal</del></b>	<b><del>11</del></b>
	<b><del>Pre-Paramedic Total</del></b>	<b><del>60</del></b>
	<b><del>Required Paramedic Courses (Courses are arranged)</del></b>	
	<b><del>Paramedic Didactic</del></b>	
<del>EMS 309</del>	<del>Prehospital Emergency Medicine and Operations</del>	<del>3</del>
<del>EMS 310</del>	<del>Prehospital Pharmacology</del>	<del>3</del>
<del>EMS 311</del>	<del>Medical Assessment and Management</del>	<del>3</del>
<del>EMS 312</del>	<del>Cardiovascular and Pulmonology Emergencies</del>	<del>3</del>
<del>EMS 320</del>	<del>Medical Emergencies</del>	<del>3</del>
<del>EMS 321</del>	<del>Special Patient Populations</del>	<del>2</del>
<del>EMS 331</del>	<del>Trauma Emergencies</del>	<del>2</del>
<del>EMS 455</del>	<del>Disaster and Emergency Management</del>	<del>3</del>
	<b><del>-Subtotal</del></b>	<b><del>22</del></b>
	<b><del>Paramedic Practical (Laboratory)</del></b>	
<del>EMS 341</del>	<del>Paramedic Lab I</del>	<del>2</del>
<del>EMS 342</del>	<del>Paramedic Lab II</del>	<del>2</del>
	<b><del>-Subtotal</del></b>	<b><del>4</del></b>

	<b>Paramedic Clinical</b>	
<del>EMS 351</del>	<del>Paramedic Clinical Rotation I</del>	<del>3</del>
<del>EMS 352</del>	<del>Paramedic Clinical Rotation II</del>	<del>4</del>
<del>EMS 454</del>	<del>Paramedic Field Internship</del>	<del>4</del>
	<b><del>Subtotal</del></b>	<b><del>11</del></b>
	<b>Advanced Paramedic</b>	
<del>EMS 400</del>	<del>Advanced Assessment</del>	<del>3</del>
<del>EMS 461</del>	<del>Advanced Pathophysiology</del>	<del>3</del>
<del>EMS 465</del>	<del>Advanced Paramedic Clerkship</del>	<del>4</del>
	<b><del>Subtotal</del></b>	<b><del>10</del></b>
	<b>Paramedic Research</b>	
<del>EMS 469</del>	<del>Epidemiology and Statistics</del>	<del>3</del>
<del>EMS 470</del>	<del>EMS Research and Analysis</del>	<del>3</del>
	<b><del>Subtotal</del></b>	<b><del>6</del></b>
	<b>Paramedic Core Total</b>	<b>54</b>
	<b>EMS Electives</b>	
	Approved Courses	
	<b><del>Subtotal</del></b>	<b><del>18</del></b>
<del>or</del>	-	
	<b>Concentration in International Mountain Medicine</b>	
<del>EMS 403</del>	<del>Mountain Medicine</del>	<del>3</del>
<del>EMS 404</del>	<del>Technical Rescue Course</del>	<del>3</del>
<del>EMS 405</del>	<del>Austere Medicine</del>	<del>3</del>
<del>EMS 406</del>	<del>Mountain Medicine Laboratory I</del>	<del>3</del>
<del>EMS 408</del>	<del>Mountain Medicine Laboratory II</del>	<del>3</del>
<del>EMS 456</del>	<del>Social Dimensions of Disaster</del>	<del>3</del>
-	<b><del>Subtotal</del></b>	<b><del>18</del></b>
<b>Optional</b>	<b>Students may choose course work from:</b>	
-	Pre-Health Professional	

-	<del>Pre-Medical</del>	
-	<del>Pre-Physician Assistant</del>	
-	<del>Fire Science</del>	
-		<b><del>Degree Total</del> 132</b>

<b>Pre-Paramedic</b>		<b>Credits</b>
<b>Semester 1</b>		
MATH 121 (or MATH 150 or MATH 180)	College Algebra*	3
BIOL 123/124L (or BIOL 201)	Biology for Health-Related Sciences**	4
EMS 120	Introduction to EMS System	3
ENGL 110 (or 111/112 or 113)	Accelerated Composition (or Composition II; or Enhanced Composition)	3
	UNM Core	3
	<b>Subtotal</b>	<b>16</b>
<b>Semester 2</b>		
CHEM 121/123L (or 122/124L)	General Chemistry**	4
STAT 145	Introduction to statistics	3
ENGL 120	Composition III	3
	UNM Core	6
	<b>Subtotal</b>	<b>16</b>
<b>Semester 3</b>		
BIOL 237/247L	Human A&P I and Lab I	4
EMS 113	EMT Basic	8
EMS 142	EMT Basic Lab	2
	UNM Core	3
	<b>Subtotal</b>	<b>17</b>
<b>Semester 4</b>		
BIOL 238/248L	Human A & P II and Lab II	4
PSY 105	General Psychology***	3

	UNM Core	9
	<b>Subtotal</b>	<b>16</b>
	<b>Pre-Paramedic Total</b>	<b>65</b>
	*Satisfy UNM Core: Area 2 requirements	
	** Satisfy UNM Core: Area 3 requirements	
	***Satisfy UNM Core: Area 4 requirements	
	<b>Paramedic Program</b>	
	<b>Paramedic Phase 1</b>	
EMS 309	Prehospital Emergency Medicine and Operations	3
EMS 310	Prehospital Pharmacology	3
EMS 311	Medical Assessment and Management	3
EMS 312	Cardiovascular and Pulmonology Emergencies	3
EMS 341	Paramedic Lab I	2
EMS 351	Paramedic Clinical Rotation I	3
	<b>Subtotal</b>	<b>17</b>
	<b>Paramedic Phase 2</b>	
EMS 320	Medical Emergencies	3
EMS 321	Special Patient Populations	2
EMS 331	Trauma Emergencies	2
EMS 400	Advanced Assessment	3
EMS 342	Paramedic Lab II	2
EMS 352	Paramedic Clinical Rotation II	4
	<b>Subtotal</b>	<b>16</b>
	<b>Paramedic Phase 3</b>	
EMS 454	Paramedic Field Internship	4
	<b>Subtotal</b>	<b>4</b>
	<b>Required EMS Courses</b>	
EMS 469	Epidemiology and Statistics	3
EMS 470	Research and Analysis	3
	<b>Subtotal</b>	<b>6</b>
	<b>EMS Electives</b>	
	EMS Concentration/EMS Electives	24
	<b>Subtotal</b>	<b>24</b>
	<b>Paramedic total</b>	<b>67</b>
	<b>Degree Total</b>	<b>132</b>

	<b>Concentration in International Mountain Medicine</b>	
EMS 403	Mountain Medicine	3
EMS 404	Technical Rescue	3



EMS 405	Austere Medicine	3
EMS 406	Mountain Medicine Lab I	3
EMS 408	Mountain Medicine Lab II	3
	<b>Subtotal</b>	<b>15</b>

Electives and certificates	<b>Students may choose course work from:</b>	<b>24</b>
	Community Paramedic	
	EMS Instructor	
	EMS Management and operations	
	Fire Science	
	USAF Pararescue	
	Pre-Health Professional (MD, PA, Graduate allied health)	
	<b>Subtotal</b>	<b>0</b>



**UNM**  
SCHOOL of MEDICINE

*Emergency Medical  
Services Academy*

## MEMO

To: Steve McLaughlin, MD,  
Chair, Department of Emergency Medicine

From: Robert McDaniels, MS, NREMT-P  
Executive Director, EMS Education

Date: 04/24/2015

Subject: BS in EMS Catalog Changes to Major

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### Changes made to graduation requirements

- Grade point average raised from 2.0 to 2.5 to match our admissions GPA
- Removed requirement of completing 63 hours of at least 300 level or about courses to accommodate students who transfer in paramedic courses at the 200 level.

### Changes made to General Education Requirements

- All general education and program requirements have been organized by semesters to better assist the student. This will help students take the courses in the correct order and assist them to stay on a four year degree graduation plan.

### Changes made to Fourth Year Requirement

- Organized EMS electives into focus areas

### Budgetary and Faculty Load implications

- The changes proposed is a realignment of existing resources and does not require additional budgetary resources or additional faculty.