

**DEGREE/PROGRAM CHANGE  
FORM C  
Form Number: C1412**

Fields marked with \* are required

**Name of Initiator:** Anna Mae Apodaca    **Email:** [aapodaca@unm.edu](mailto:aapodaca@unm.edu)    **Phone Number:** 505 277-2762    **Date:** 07-31-2014

Associated Forms exist?  Initiator's Title   
Faculty Contact     Administrative Contact   
Department     Admin Email   
Branch     Admin Phone

**Proposed effective term**

Semester  Year

**Course Information**

Select Appropriate Program   
Name of New or Existing Program   
Select Category  Degree Type   
Select Action

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)

[BSME Curriculum Changes road map.xlsx](#)

**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)

[Form C BSME Curriculum Change.docx](#)

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)

**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)

**UNM Bachelors of Science  
In Mechanical Engineering**

<b>Freshman Year 1st semester</b>		<b>Freshman Year 2nd semester</b>		<b>Cr Hrs</b>
CHEM 121 General Chemistry	3	ENGL 102 Composition II: Analysis & Arg.	3	
CHEM 123L General Chemistry Lab	1	PHYC 160 General Physics	3	
ENGL 101 Composition I: Exposition	3	PHYC 160L General Physics Laboratory	1	
ME 160L Mechanical Engineering Design I	3	MATH 163 Calculus II	4	
MATH 162 Calculus I	4	CS 151L Computer Programming FNM	3	
UNM Core Humanities	3	UNM Core Fine Arts	3	
	<b>17</b>		<b>17</b>	<b>34</b>
<b>Sophomore Year 1st semester</b>		<b>Sophomore Year 2nd semester</b>		
ME 260L Mechanical Engineering Design II	3	ME 306 Dynamics	3	
CE 202 Engineering Statics	3	ECE 203 Circuit Analysis I	3	
PHYC 161 General Physics	3	MATH 316 Applied Ordinary Diff. Eqns.	3	
MATH 264 Calculus III	4	ME 318L Mechanical Engineering Lab.	4	
ME 217 Energy, Environment & Society	3	Core Writing and Speaking (not 101 or 102)	3	
	<b>16</b>		<b>16</b>	<b>32</b>
<b>Junior Year 1st semester</b>		<b>Junior Year 2nd semester</b>		
ME 317L Fluid Mechanics	4	ME 360L Mechanical Engineering Design III	3	
ME 301 Thermodynamics	3	ME 357 Intro. to Mechanical Vibrations	3	
CE 302 Mechanics of Materials	3	ME 370L Engineering Material Science	3	
MATH Elective	3	ME 352L Materials Laboratory	1	
Core Humanities Elective	3	ECON 105 Intro to Macroeconomics	3	
	<b>16</b>	Core Second Language	3	
			<b>16</b>	<b>32</b>
<b>Senior Year 1st semester</b>		<b>Senior Year 2nd semester</b>		
ME 320L Heat Transfer	4	ME 460 Mechanical Engineering Design V	4	
ME 459 Mechanical Engineering Design IV	3	Technical Elective	3	
ME 380 Anal & Degn Mech Control Systems	3	ME Engineering Science Elective	3	
ME Engineering Science Elective	3	ME Engineering Science Elective	3	
	<b>13</b>		<b>13</b>	<b>26</b>
			<b>TOTAL</b>	<b>124</b>



*Department of Mechanical Engineering*

July 31, 2014

To: Office of the Registrar/Curriculum Committee

From: Dr. Chris Hall, Chair

Cc: Anna Mae Apodaca, Advisement Coordinator

RE: Curriculum Change for BS in Mechanical Engineering

This request changes the BSME Curriculum from 130 credit hours to 124 credit hours, while maintaining the integrity of the BSME degree program. The changes have been approved by the ME Department Faculty and have been reviewed and recommended by the ME Department's external Advisory Council.

Here is a summary of the curriculum changes:

1. Omit CHEM 122 / 124L from Spring of freshman year (- 4 credit hours)
2. Add PHYC 160L lab to Spring of freshman year (+ 1 credit hour)
3. Omit the requirement of ME 302 OR 314 in Spring of junior year (- 3 credit hours)

These changes have a small effect on enrollment in the affected Chemistry and Physics courses, and both departments have been informed of the changes.