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APPROVED FEB 22 2012

MEMO

RECEIVED OCT 14 2011

To: Dave Shattuck, Associate Dean for Undergraduate Programs  
Cullen College of Engineering  
From: R. Bannerot, Chair  
Undergraduate Academic Affairs Committee  
Department of Mechanical Engineering  
Subject: Update of BSME Degree Plan in Undergraduate Catalogue  
Date: September 23, 2011

Last year, ENGI 2304: Technical Communications was added as a prerequisite for MECE 2361: Introduction to Mechanical Design. This change is contained in the current Undergraduate Catalogue description of MECE 2361. However, this change is not reflected in the BSME degree plan (the list of courses by semester) in the Undergraduate Catalogue, i.e., MECE 2361 (fall semester sophomore year) is listed before ENGI 2304 (spring semester sophomore year).

This memo is a request to interchange the placements of these two courses in the BSME degree plan in the Undergraduate Catalogue. Note that the prerequisites for ENGI 2304 are ENGL 2304 and MECE 1331 (for MEs), both of which are scheduled to be taken in the freshman year.

cc.  
Lesley Sisk  
Matt Franchek, Chair, MECE

Dean's Signature: David P. Shattuck

Date: 12 Oct 2011

David P. Shattuck

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# MECE

## FIRST YEAR <sup>4</sup>

<b>Fall Semester</b>	<b>Hours</b>
<a href="#">CHEM 1117</a> . Fundamentals of Chemistry for Engineers Laboratory	1
<a href="#">CHEM 1372</a> . Fundamentals of Chemistry for Engineers	3
<a href="#">ENGL 1303</a> . First Year Writing I	3
<a href="#">MATH 1431</a> . Calculus I <sup>2</sup>	4
<a href="#">POLS 1336</a> . U.S. and Texas Constitutions and Politics <sup>1</sup>	3
<b>Total</b>	<b>14</b>

<b>Spring Semester</b>	<b>Hours</b>
<a href="#">ENGL 1304</a> . First Year Writing II	3
<a href="#">MECE 1100</a> . Introduction to Mechanical Engineering	1
<a href="#">MECE 1331</a> . Computing for Engineers	3
<a href="#">MATH 1432</a> . Calculus II	4
<a href="#">PHYS 1321</a> . University Physics I	3
<b>Total</b>	<b>14</b>

## SECOND YEAR

<b>Fall Semester</b>	<b>Hours</b>
<a href="#">MECE 2336</a> . Mechanics I	3
<a href="#">ENGI 2304</a> . Technical Communications	3
<a href="#">MATH 2433</a> . Calculus III	4
<a href="#">PHYS 1322</a> . University Physics II	3
Humanities Core Course	3
<b>Total</b>	<b>16</b>

<b>Spring Semester</b>	<b>Hours</b>
<a href="#">MATH 3321</a> . Engineering Math	3
<a href="#">MECE 2334</a> . Thermodynamics I	3
<a href="#">MECE 3336</a> . Mechanics II	3
<a href="#">MECE 2361</a> . Introduction to Mechanical Design	3
<a href="#">POLS 1337</a> . U.S. Government: Congress, President, and Courts <sup>1</sup>	3
<b>Total</b>	<b>15</b>

## THIRD YEAR

<b>Fall Semester</b>	<b>Hours</b>
<a href="#">ECE 3336</a> . Introductions to Circuits and Electronics	3
<a href="#">MATH 3363</a> . Introduction to Partial Differential Equations	3
<a href="#">MECE 3334</a> . Thermodynamics II	3
<a href="#">MECE 3345</a> . Materials Science	3
<a href="#">MECE 3369</a> . Solid Mechanics	3
<a href="#">HIST 1377</a> . The United States to 1877 <sup>1</sup>	3
<b>Total</b>	<b>18</b>

<b>Spring Semester</b>	<b>Hours</b>
<a href="#">HIST 1378</a> . The United States Since 1877 <sup>1</sup>	3
<a href="#">MECE 3245</a> . Materials Science Laboratory	2
<a href="#">MECE 3338</a> . Dynamics and Control of Mechanical Systems	3
<a href="#">MECE 3360</a> . Experimental Methods	3
<a href="#">MECE 3363</a> . Introduction to Fluid Mechanics	3
<a href="#">MECE 3371</a> . Numerical Methods for Mechanical Engineers	3
<b>Total</b>	<b>17</b>

## FOURTH YEAR

<b>Fall Semester</b>	<b>Hours</b>
<a href="#">MECE 4364</a> . Heat Transfer	3
<a href="#">MECE 4340</a> . Mechanical Engineering Capstone I	3
MECE 53xx. Mechanical Engineering Elective <sup>12</sup>	3
<a href="#">MECE 4372</a> . Vibrations-Controls Laboratory	3
Visual/Performing Arts Core Course	3
<b>Total</b>	<b>15</b>

<b>Spring Semester</b>	<b>Hours</b>
<a href="#">MECE 4341</a> . Mechanical Engineering Capstone II	3
<a href="#">MECE 4371</a> . Thermal-Fluids Laboratory	3
MECE 53xx. Mechanical Engineering Elective <sup>12</sup>	3
MECE 53xx. Mechanical Engineering Elective <sup>12</sup>	3
Social Science Core Course	3
<b>Total</b>	<b>15</b>
<b>Degree Total</b>	<b>124</b>

