

## UNDERGRADUATE CURRICULUM CHANGE MEMO

**Date:** November 15, 2021

**From:** Shalayna Smith, Metallurgical, Materials & Biomedical Engineering



**Through:** Stella A. Quinones, Chair, MMBME

**Through:** Virgilio Gonzalez, Chair, College of Engineering Curriculum Committee

**Through:** Louis Everett, Associate Dean for Academic Affairs and Undergraduate Studies, College of Engineering

**Through:** Patricia Nava, Interim Dean, College of Engineering

**To:** Andrew Fleck, Chair of University Curriculum Committee

**Proposal Title:** BS MME Program Updates November 2021

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The MMBME faculty met in September – November 2021 to review and approve the prerequisites, restrictions and an addition of an elective to one of the concentrations. The changes approved by the faculty are summarized below:

1. MME 1205 Prerequisite Change
2. MME 1405 Prerequisite Change
3. MME 2434 Prerequisite Change
4. MME 3195 Classification Restriction Change
5. MME 3407 Schedule Type Change
6. MME 4303 Prerequisite Change
7. MME 4404 Prerequisite Change
8. MME 4317 Add to Forensic Engineering and Material Performance Concentration

**From:** [Granda, Virginia D](#)  
**To:** [Rivera, Julie A](#)  
**Subject:** FW: UG Proposals Approved by our COECC  
**Date:** Tuesday, January 25, 2022 10:40:35 AM  
**Attachments:** [image001.png](#)  
[AEME--Changes to BSME and BS-AEAE Proposal.pdf](#)  
[BSCEM Undergraduate Curriculum Change \(revised\).pdf](#)  
[EEL--Changes to the BS-EIL-Course-Prerequisites-and-Catalog.pdf](#)  
[MMBME Course Changes.pdf](#)  
[ECE RA Minor Proposal - Revised.pdf](#)  
[image004.png](#)

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Good morning Julie,

Attached are the approved UG proposals from our college.

Have a great week,

Virginia



**Virginia Granda-Becker**  
Coordinator for Undergraduate Studies  
and Academic Affairs

Engineering Edge Center  
ENGR E-201B  
The University of Texas at El Paso  
500 WW. University Ave.  
El Paso, TX 79968  
Office: 915-747-8011  
[www.utep.edu/engineering/eec](http://www.utep.edu/engineering/eec)

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**From:** Nava, Patricia A.  
**Sent:** Tuesday, January 25, 2022 10:29 AM  
**To:** Granda, Virginia D <[granda@utep.edu](mailto:granda@utep.edu)>  
**Subject:** RE: Updated Memo

All of the actions are approved.

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**From:** Granda, Virginia D  
**Sent:** Tuesday, January 25, 2022 8:52 AM  
**To:** Nava, Patricia A. <[pnav@utep.edu](mailto:pnav@utep.edu)>  
**Subject:** Updated Memo

Dr. Nava,

Per your request, attached is the modified memo from AEME.

Best Regards,

Virginia



**Virginia Granda-Becker**  
Coordinator for Undergraduate Studies  
and Academic Affairs

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Good afternoon Dr. Nava,

Attached are the UG Proposals that have been approved.

Please reply letting me know if you approve them.

Best Regards,

Virginia



**Virginia Granda-Becker**  
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**From:** Everett, Louis

**Sent:** Monday, January 10, 2022 9:35 AM

**To:** Granda, Virginia D <[granda@utep.edu](mailto:granda@utep.edu)>

**Subject:** Re: UG Proposals Approved by our COECC

I approve

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**From:** Granda, Virginia D <[granda@utep.edu](mailto:granda@utep.edu)>

**Sent:** Monday, January 10, 2022 9:00:58 AM

**To:** Everett, Louis <[leverett@utep.edu](mailto:leverett@utep.edu)>

**Subject:** FW: UG Proposals Approved by our COECC

Good morning Dr. Everett,

Attached are the UG proposals that have been approved by the COECC and its chair.

Please reply letting me know if you approve them.

Best Regards,

Virginia



**Virginia Granda-Becker**  
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**From:** Gonzalez, Virgilio  
**Sent:** Friday, January 7, 2022 5:04 PM  
**To:** Granda, Virginia D <[granda@utep.edu](mailto:granda@utep.edu)>  
**Subject:** RE: UG Proposals Approved by our COECC

Virginia,  
I approve the proposals reviewed in today's CoECC meeting.

Thank you

Virgilio Gonzalez  
[vgonzalez3@utep.edu](mailto:vgonzalez3@utep.edu)

**From:** Granda, Virginia D <[granda@utep.edu](mailto:granda@utep.edu)>  
**Sent:** Friday, January 7, 2022 16:28  
**To:** Gonzalez, Virgilio <[vgonzalez3@utep.edu](mailto:vgonzalez3@utep.edu)>  
**Subject:** UG Proposals Approved by our COECC

Good afternoon Dr. Gonzalez,

Attached are the undergraduate proposals that were approved by our COECC today.

Can you please reply to this email if you approve the proposals?

Best Regards,

Virginia



**Virginia Granda-Becker**

Coordinator for Undergraduate Studies and Academic Affairs

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# COURSE CHANGE FORM

COPY OF CATALOG PAGE NOT REQUIRED

All fields below are required

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College : Engineering  
2022

Department : MMBME

Effective Term : Spring

Rationale for changing the course:

The learning outcomes in the course do not require MATH 1411, instead MATH 1508 is adequate.

All fields below are required

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Subject Prefix and number MME 1205

Course Title Computation/Graph in Mater Sci.

Change	From	To
Prerequisites	MATH 1411 w/C or better	MATH 1508 w/C or better

These changes will be reflected in Banner, Goldmine, and the catalog

# COURSE CHANGE FORM

COPY OF CATALOG PAGE NOT REQUIRED

All fields below are required

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College : Engineering  
2022

Department : MMBME

Effective Term : Spring

Rationale for changing the course:

The learning outcomes in the course do not require MATH 1411 or RWS 1301. Additionally, students cannot enroll in this class their first semester. The faculty unanimously voted to remove all prerequisites since algebra is the only math needed.

All fields below are required

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Subject Prefix and number MME 1405

Course Title Intro to Metal and Matls Eng.

Change	From	To
Prerequisites	MATH 1411 w/C or better AND RWS 1301 w/C or better	none

These changes will be reflected in Banner, Goldmine, and the catalog

# COURSE CHANGE FORM

COPY OF CATALOG PAGE NOT REQUIRED

All fields below are required

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College : Engineering  
2022

Department : MMBME

Effective Term : Spring

Rationale for changing the course:

The learning outcomes in the course do not require MATH 2313. The faculty unanimously voted to change the prerequisite to MATH 1312.

All fields below are required

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Subject Prefix and number MME 2434

Course Title Mechanics of Materials

Change	From	To
Prerequisites	MATH 2313 w/C or better AND PHYS 2420 w/C or better	MATH 1312 w/C or better AND PHYS 2420 w/C or better

These changes will be reflected in Banner, Goldmine, and the catalog



# COURSE CHANGE FORM

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All fields below are required

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College : Engineering  
2022

Department : MMBME

Effective Term : Spring

Rationale for changing the course:

Students often take this class when they are considered Seniors by hours. The faculty voted to remove this restriction and allow students to register as per their advisors instructions.

All fields below are required

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Subject Prefix and number MME 3195

Course Title Junior Professional Orintati.

Change	From	To
Classification Restrictions:	Restricted to class of JR	none

These changes will be reflected in Banner, Goldmine, and the catalog

# COURSE CHANGE FORM

All fields below are required

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College : ENGINEERING

Department : MMBME

Rationale for changing the course:

CHANGE THE SCHEDULING FORMAT FOR THIS 4 CREDIT HOUR COURSE FROM LECTURE (A) AND LAB (B) TO LECTURE/LAB COMBINE (K) SO THAT THE LECTURE AND LAB CAN BE CREATED UNDER THE SAME CRN. THIS MAKES IT EASIER TO CREATE MULTIPLE SECTIONS OF THE 4 CREDIT HOUR COURSE.

All fields below are required

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Subject Prefix and number MME 3407

Course Title MECHANICAL BEHAVIOR OF MATERIALS

Change	From	To
Ex. Prerequisite	Ex. POLS 2310	Ex. POLS 2312
SCHEDULE TYPE	LECTURE (A) AND LAB (B)	LECTURE/LAB COMBINE (K)

These changes will be reflected in Banner, Goldmine, and the catalog

# COURSE CHANGE FORM

COPY OF CATALOG PAGE NOT REQUIRED

All fields below are required

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College : Engineering  
2022

Department : MMBME

Effective Term : Spring

Rationale for changing the course:

Based on the learning outcomes of the class the faculty removed the prerequisite of MME 3306 and added MME 2305 in its place.

All fields below are required

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Subject Prefix and number MME 4303

Course Title Metals Processing

Change	From	To
Prerequisite	MME 3306 w/C or better AND MME 3308 w/C or better	MME 2305 w/C or better AND MME 3308 w/C or better

These changes will be reflected in Banner, Goldmine, and the catalog

# COURSE CHANGE FORM

COPY OF CATALOG PAGE NOT REQUIRED

All fields below are required

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College : Engineering  
2022

Department : MMBME

Effective Term : Spring

Rationale for changing the course:

Based on the learning outcomes of the class the faculty removed the prerequisite of MME 3306.

All fields below are required

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Subject Prefix and number MME 4404

Course Title Mat. Synthesis & Manufacturing

Change	From	To
Prerequisite	MME 3306 w/C or better AND MME 3308 w/C or better	MME 3308 w/C or better

These changes will be reflected in Banner, Goldmine, and the catalog

# Forensic Engineering and Materials Performance

Code	Title	Hours
<b>BSMME- Forensic Engineering and Materials Performance</b>		
Choice of 4 courses from the following:		
<a href="#">MME 4315</a>	Metallogrphy and Micro Inter * <sup>c</sup>	3
<a href="#">MME 4317</a>	<a href="#">Advanced Failure Analysis</a>	<a href="#">3</a>
<a href="#">MME 4331</a>	Non-Destructive Examination <sup>c</sup>	3
<a href="#">MME 4332</a>	Root Cause Analysis <sup>c</sup>	3
<a href="#">MME 4333</a>	Fracture Mechanics <sup>c</sup>	3
<a href="#">MME 4334</a>	Biomed Product Performance <sup>c</sup>	3
<a href="#">MME 4335</a>	Functional Failure Analysis <sup>c</sup>	3
<a href="#">MME 4390</a>	Special Topics in MME <sup>c</sup>	3