

APPROVED BY SENATE

04/05/2021

# : ENGINEERING TECHNOLOGY & MANAGEMENT FOR AGRICULTURAL SYSTEMS: CONSTRUCTION MANAGEMENT, BS

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## In Workflow

1. U Program Review (dforgacs@illinois.edu; eastuby@illinois.edu; aledward@illinois.edu)
2. 1741 Committee Chair (krausch@illinois.edu)
3. 1741 Head (ronaldom@illinois.edu; rsully@illinois.edu)
4. KL Committee Chair (npaulson@illinois.edu)
5. KL Dean (aball@illinois.edu)
6. University Librarian (jpwilkin@illinois.edu)
7. Provost (kmartens@illinois.edu)
8. Senate EPC (bjlehman@illinois.edu; moorhouz@illinois.edu; kmartens@illinois.edu)
9. Senate (jtempel@illinois.edu)
10. U Senate Conf (none)
11. Board of Trustees (none)
12. IBHE (none)
13. DMI (eastuby@illinois.edu; aledward@illinois.edu; dforgacs@illinois.edu)

## Approval Path

1. Mon, 29 Mar 2021 15:31:40 GMT  
Deb Forgacs (dforgacs): Approved for U Program Review
2. Mon, 29 Mar 2021 15:36:42 GMT  
Kent Rausch (krausch): Approved for 1741 Committee Chair
3. Mon, 29 Mar 2021 16:43:44 GMT  
Ronaldo Maghirang (ronaldom): Approved for 1741 Head
4. Mon, 29 Mar 2021 18:00:29 GMT  
Nick Paulson (npaulson): Approved for KL Committee Chair
5. Mon, 29 Mar 2021 18:01:03 GMT  
Anna Ball (aball): Approved for KL Dean
6. Mon, 29 Mar 2021 18:08:40 GMT  
John Wilkin (jpwilkin): Approved for University Librarian
7. Mon, 29 Mar 2021 18:09:25 GMT  
Kathy Martensen (kmartens): Approved for Provost

## New Proposal

Date Submitted: Mon, 29 Mar 2021 02:30:09 GMT

## Viewing:: Engineering Technology & Management for Agricultural Systems: Construction Management, BS

Changes proposed by: Anne Marie Boone

## Proposal Type

### Proposal Type:

Concentration (ex. Dietetics)

Proposal Title:

**If this proposal is one piece of a multi-element change please include the other impacted programs here. *example: A BS revision with multiple concentration revisions***

To establish the Construction Management concentration under the Engineering Technology & Management for Agricultural Systems, BS.

This program is related to the Engineering Technology & Management for Agricultural Systems, BS revision proposal key: 73  
The Agricultural Production & Processing concentration proposal key: 1009  
The Digital and Precision Agriculture concentration proposal key: 1011  
and the Energy and the Environment concentration proposal key: 1012

**EP Control Number**

EP:21.079

**Official Program Name**

Engineering Technology & Management for Agricultural Systems: Construction Management, BS

**Effective Catalog Term**

Fall 2021

**Sponsor College**

Agr, Consumer, & Env Sciences

**Sponsor Department**

Agricultural & Biological Engr

**Sponsor Name**

Kent Rausch

**Sponsor Email**

krausch@illinois.edu

**College Contact**

Anna Ball

**College Contact Email**

aball@illinois.edu

## **Program Description and Justification**

**Provide *abrief* description and justification of the program, including highlights of the program objectives, and the careers, occupations, or further educational opportunities for which the program will prepare graduates, when appropriate.**

Students in the Construction Management concentration are trained in construction skills and concepts, as well as management practices and principles. Students learn to 1) manage residential, agricultural, and industrial construction technologies; 2) operate and manufacture systems that provide the desired environmental conditions for animals, people, crop storage, and greenhouses; 3) maintain systems to handle and treat biowaste; and 4) develop alternative housing and nutrient management practices. Graduates of the Construction Management concentration are prepared for careers with private construction companies, government and environmental agencies, or for entrance into graduate or professional school.

**Is this program interdisciplinary?**

No

**Corresponding Program(s):**

**Corresponding Program(s)**

Engineering Technology and Management for Agricultural Systems, BS

**Academic Level**

Undergraduate

**Is This a Teacher Certification Program?**

No

**Will specialized accreditation be sought for this program?**

No

## **Enrollment**

**Number of Students in Program (estimate)**

**Year One Estimate**

50

**5th Year Estimate (or when fully implemented)**

75

**What is the typical time to completion of this program?**

4 years

**What are the minimum Total Credit Hours required for this program?**

126

## **Delivery Method**

**This program is available:**

On Campus

## Budget

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

No

## Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

## Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Faculty Resources

**Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.**

The concentration does not necessitate the hiring of additional instructors or faculty, nor does it require additional resources with regard to equipment of instructional facilities. All of the courses being added to the TSM core or the concentrations already have capacity to accommodate any additional students that may take them as a result of the proposed changes. Thus, ABE department will not need to create additional capacity to resource the proposed program, nor will it need to cease support of other functions or programs.

This concentration should not have any significant impact on the enrollment in other units.

Library Resources

**Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.**

No impact is anticipated.

Instructional Resources

**Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?**

No

**Does the program include other courses/subjects impacted by the creation/revision of this program?**

No

## **Financial Resources**

**How does the unit intend to financially support this proposal?**

There will be no budgetary obligations due to this curriculum revision. The curriculum revision will be carried out with existing resources.

**Will the unit need to seek campus or other external resources?**

No

## **Program Regulation and Assessment**

**Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).**

The Engineering Technology and Management for Agricultural Systems (formerly Technical Systems Management) program is designed to prepare graduates for careers in management, marketing, operations, maintenance, and application of agricultural and biological engineering technologies within the realms of agriculture, food, energy, water, and the environment. Graduates are expected to understand problems and concerns in engineering technologies from production to processing through distribution and their social and cultural implications. Specific program learning objectives are:

Objective 1: Provide academic and technical knowledge and experiences needed for success in an increasingly technological agricultural industry and world.

Objective 2: Enhance students' abilities to formulate questions and find solutions both individually and as a part of a team.

Objective 3: Improve students' abilities to communication both written and oral forms.

Objective 4: Enhance the use and understanding of mathematics and calculation for analysis in technology and business.

Objective 5: Provide opportunities to learn and enhance professional and ethical values and leadership skills.

Objective 6: Understand their role in society and the social and cultural implications of practice in their profession.

Objective 7: Recognize the need for and develop the abilities to engage in life-long learning.

Objective 8: Understand the global nature of agriculture and business.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

## Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: <https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf>). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Catalog Page Text

### Statement for Programs of Study Catalog

Code	Title	Hours
<b>Introductory Related Courses</b>		
Select two courses from this list:		
LEAD 260	Foundations of Leadership	3
NRES 201	Introductory Soils	4
UP 101	Introduction to City Planning	3
UP 136	Urban Sustainability	3
<b>TSM Electives</b>		
Required:		
TSM 232	Materials and Construction Sys	3
TSM 371	Residential Housing Design	3
TSM 372	Environ Control & HVAC Systems	3
Select an additional 11 hours from the list below for a total of 20 hours with a minimum of 11 hours at the advanced level		
TSM 130	Basics of CAD	1
TSM 132	Basics of Project Management	1
TSM 233	Metallurgy & Welding Process	3
TSM 234	Wiring, Motors and Control Sys	3
TSM 262	Off-Road Equipment Management	3
TSM 295	Undergrad Research or Thesis	1 to 4
TSM 352	Land and Water Mgt Systems	3
TSM 363	Fluid Power Systems	2
TSM 396	UG Honors Research or Thesis	1 to 4
TSM 425	Managing Ag Safety Risk	3
TSM 435	Elec Computer Ctrl Sys	3
TSM 496	Independent Study	1 to 4
<b>Concentration Electives</b>		
Select 18 hours from the list below with a minimum of 12 hours at the advanced level.		
<b>At least two of:</b>		
CEE 320	Construction Engineering	

CEE 420	Construction Productivity
CEE 421	Construction Planning
CEE 422	Construction Cost Analysis
<b>At least one of:</b>	
BADM 300	The Legal Environment of Bus
BADM 310	Mgmt and Organizational Beh
BADM 320	Principles of Marketing
FIN 221	Corporate Finance
FIN 241	Fundamentals of Real Estate
<b>At least one of:</b>	
UP 406	Urban Ecology
UP 446	Sustainable Planning Seminar
UP 466	Energy & the Built Environment
UP 475	Real Estate Development Fundamentals
UP 480	Sustainable Design Principles
<b>May select from the below list to achieve 18 hours:</b>	
ACE 435	Global Agribusiness Management
CEE 424	Sustainable Const Methods
ESE 482	Challenges of Sustainability

## EP Documentation

### Attach Rollback/Approval Notices

Grainger letter of support for ETMAS proposals.pdf  
 ep21078 21079 21080 21081 email to sponsor\_20210326.docx

## DMI Documentation

### Program Reviewer Comments

**Brianna Gregg (bjgray2) (Wed, 10 Feb 2021 15:20:31 GMT):** Grainger is in support of the name change to include 'Engineering' in the title.  
**Barbara Lehman (bjlehman) (Fri, 26 Mar 2021 21:21:25 GMT):** Rollback: Rolling back at the request of Anna Marie Boone. See attached email under EP documentation.

Key: 1010

**From:** [Gregg, Brianna J](#)  
**To:** [Miller, Nolan H](#)  
**Cc:** [Rausch, Kent D](#); [Ball, Anna Leigh](#)  
**Subject:** FW: ETMAS proposal to Senate Ed Policy - request for a letter  
**Date:** Tuesday, March 16, 2021 1:21:44 PM  
**Attachments:** [image001.png](#)

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Hello Dr. Miller-

Please find the email chain below that includes the information from ENG approval of the name change.

Please let me know if you need anything else.

Thanks-

Brianna

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**From:** "Maghirang, Ronaldo G" <ronaldom@illinois.edu>  
**Date:** Tuesday, March 16, 2021 at 1:18 PM  
**To:** Brianna Gregg <bjgray2@illinois.edu>  
**Cc:** "Rausch, Kent D" <krausch@illinois.edu>, "Davidson, Paul Curtis" <pdavidso@illinois.edu>  
**Subject:** FW: ETMAS proposal to Senate Ed Policy - request for a letter

Dear Brianna,

Here's the email from Dean Bashir. If you need anything else, please let me know.

Sincerely,  
Ronaldo

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**From:** Bashir, Rashid <rbashir@illinois.edu>  
**Sent:** Tuesday, March 16, 2021 1:15 PM  
**To:** Maghirang, Ronaldo G <ronaldom@illinois.edu>; Eckstein, James N <eckstein@illinois.edu>  
**Subject:** RE: ETMAS proposal to Senate Ed Policy - request for a letter

Dear Ronaldo,

Yes the name change was approved by the Executive Committee. I am also supportive of this change and wish ABE all the best to expand and rebrand this program.

Best wishes

Rashid

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Rashid Bashir, Ph.D.  
Dean, The Grainger College of Engineering  
Grainger Distinguished Chair in Engineering,  
Professor of Bioengineering, Electrical and Computer Engineering, Mechanical Science and Engineering, Materials  
Science and Engineering  
University of Illinois at Urbana-Champaign  
306 Engineering Hall, MC-266  
1308 W. Green Street, Urbana, IL 61801  
(217) 333-2150  
<https://grainger.illinois.edu/>  
Research Page: <http://libna.mntl.illinois.edu/>  
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**From:** Maghirang, Ronaldo G <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>  
**Sent:** Monday, March 15, 2021 2:46 PM  
**To:** Bashir, Rashid <[rbashir@illinois.edu](mailto:rbashir@illinois.edu)>; Eckstein, James N <[eckstein@illinois.edu](mailto:eckstein@illinois.edu)>  
**Subject:** FW: ETMAS proposal to Senate Ed Policy - request for a letter  
**Importance:** High

Dear Dean Bashir, Jim,

Thanks again for your support for the proposed name change for our Technical Systems Management (TSM) program. In order for our proposal to move forward, would you be able to provide an email/letter indicating that the college is supportive of the proposed change?

If you have any questions or need additional information, please let me know.

Sincerely,  
Ronaldo

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**From:** Gregg, Brianna J <[bjgray2@illinois.edu](mailto:bjgray2@illinois.edu)>  
**Sent:** Wednesday, March 10, 2021 10:52 AM  
**To:** Maghirang, Ronaldo G <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>  
**Cc:** Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>; Ball, Anna Leigh <[aball@illinois.edu](mailto:aball@illinois.edu)>  
**Subject:** FW: ETMAS proposal to Senate Ed Policy

Hi Dr. Maghirang-

Do you have an email/letter from Engineering so we can add it officially to the CIM proposal?

Thank you!

-Brianna

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**From:** Miller, Nolan H <[nmiller@illinois.edu](mailto:nmiller@illinois.edu)>  
**Sent:** Wednesday, March 10, 2021 10:48 AM

**To:** Ball, Anna Leigh <[aball@illinois.edu](mailto:aball@illinois.edu)>; Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>; Gregg, Brianna J <[bjgray2@illinois.edu](mailto:bjgray2@illinois.edu)>

**Subject:** ETMAS proposal to Senate Ed Policy

Hello,

I am the subcommittee chair handling the proposal(s) to change the name and curriculum for TSM. I am just starting to get feedback from members of Ed Pol, but so far there haven't been any significant concerns. One member did raise the question of whether Grainger is in support of the name change. Usually what we do in this case is request a letter of support from the unit, in this case Grainger. I see in CIM-P a note from Brianna on 2/10 saying that Grainger is in support of the name change to include Engineering in the title. Do you have this in an email or something from them already? If so, we can just attach it to the proposal in CIM-P and quickly take care of this concern. If not, presumably Brianna has already had this conversation with Grainger and can get something generated pretty quickly. It doesn't need to be long.

If you send me the email/letter when you get it, I will ask the Senate office to upload it to CIM-P. This way we can avoid the need to roll the proposal back to you and save some time.

I'll be in touch if I hear of any substantive concerns from the committee. Based on my read of the proposals, it seems pretty clear what you're doing. It isn't my place to pass judgments on what units want to do with their programs, but to me the changes seem well thought out and beneficial. Unless anything new arises, I think we should be able to get these changes passed in time for the April Senate meeting.

Best,

Nolan

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**I ILLINOIS**

**NOLAN H MILLER**

*Daniel and Cynthia Mah Helle Professor in Finance* | Department of Finance

*Director, Center for Business and Public Policy*

Gies College of Business | University of Illinois at Urbana-Champaign

217.244.2847 | [nmiller@illinois.edu](mailto:nmiller@illinois.edu) | <http://www.business.illinois.edu/nmiller>

*Under the Illinois Freedom of Information Act any written communication to or from university employees regarding university business is a public record and may be subject to public disclosure.*

**From:** Boone, Anne M <[aboone@illinois.edu](mailto:aboone@illinois.edu)>

**Sent:** Friday, March 26, 2021 3:22 PM

**To:** Miller, Nolan H <[nmiller@illinois.edu](mailto:nmiller@illinois.edu)>; Lehman, Barbara J <[bjlehman@illinois.edu](mailto:bjlehman@illinois.edu)>

**Cc:** Davidson, Paul Curtis <[pdavidso@illinois.edu](mailto:pdavidso@illinois.edu)>; Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>; Maghirang, Ronaldo G <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>

**Subject:** RE: ETMAS proposal to Senate Ed Policy - request for a letter

Good afternoon, Nolan and Barbara,

I am working on making the necessary changes to the ETMAS curriculum proposal. However, the concentration pages were not rolled back. So I am unable to edit them. I'm working with Deb Forgacs in the Registrar's Office. She requested that I ask you to roll back all four concentration pages to the department CnC committee chair, Kent Rausch, which will enable us to make the needed changes. If you could do that this afternoon, we believe that we will be able to submit it in time for your Monday meeting.

I appreciate your help in this matter.

Thank you,  
Anne Marie

Anne Marie Boone

Student Academic Program Coordinator

Department of Agricultural and Biological Engineering

College of Agricultural, Consumer, and Environmental Sciences (ACES)

and The Grainger College of Engineering

University of Illinois, Urbana-Champaign

360-P Ag Eng Sci Bldg

[1304 W. Pennsylvania](#)

[217-333-7038](#)

[aboone@illinois.edu](mailto:aboone@illinois.edu)

**From:** Davidson, Paul Curtis <[pdavidso@illinois.edu](mailto:pdavidso@illinois.edu)>

**Sent:** Friday, March 26, 2021 10:10 AM

**To:** Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>; Boone, Anne M <[aboone@illinois.edu](mailto:aboone@illinois.edu)>; Maghirang, Ronaldo

G <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>

**Subject:** RE: ETMAS proposal to Senate Ed Policy - request for a letter

Thanks, Anne Marie and Kent! I'll find time to review/compare the PDF and Excel file before Monday (I don't have access to CIM, so I'll need to review the PDF version).

**From:** Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>

**Sent:** Friday, March 26, 2021 9:22 AM

**To:** Boone, Anne M <[aboone@illinois.edu](mailto:aboone@illinois.edu)>; Davidson, Paul Curtis <[pdavidso@illinois.edu](mailto:pdavidso@illinois.edu)>; Maghirang, Ronaldo G <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>

**Subject:** Re: ETMAS proposal to Senate Ed Policy - request for a letter

Anne Marie,

I also had trouble getting the Edit button to show for the curriculum. I found it when going to the CourseLeaf page here

<https://nextcourses.illinois.edu/courseleaf/approve/?role=KP%20Committee%20Chair>

but you may not have access to this page since this may be just for the Chair. There are Edit, Rollback and Approve buttons there. This is different than the other page I use for editing *\_course\_* proposals, but also can bring up curriculum proposals:

<https://nextcourses.illinois.edu/programadmin/>

I don't know if this applies to you. Pretty confusing, if you ask me.

Kent

**From:** Anne Boone <[aboone@illinois.edu](mailto:aboone@illinois.edu)>

**Date:** Friday, March 26, 2021 at 8:40 AM

**To:** Kent Rausch <[krausch@illinois.edu](mailto:krausch@illinois.edu)>, Paul Davidson <[pdavidso@illinois.edu](mailto:pdavidso@illinois.edu)>, "Maghirang, Ronaldo G" <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>

**Subject:** RE: ETMAS proposal to Senate Ed Policy - request for a letter

Also, if your schedule allows, please leave some time either tonight or this weekend to review what we've input to insure that it is correct. If we are able to finish, I will send PDFs out along with the spreadsheet so that you can compare them. I want to make sure that we get it right and would very much appreciate more eyes on the proposal before we submit it to the Senate.

Thanks,

Anne Marie

**From:** Boone, Anne M

**Sent:** Friday, March 26, 2021 8:37 AM

**To:** Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>; Davidson, Paul Curtis <[pdavidso@illinois.edu](mailto:pdavidso@illinois.edu)>; Maghirang, Ronaldo G <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>

**Subject:** RE: ETMAS proposal to Senate Ed Policy - request for a letter

Good morning,

I reached out to Deb in the Registrar's Office last night to request assistance. She helped Heather and me get the proposal into CIM-P initially, and she is able to roll it back so that I can edit. We will meet today at 3 and, hopefully, get everything corrected by the end of the day. I think that we should be able to have it ready to be reviewed for their Monday meeting. I will let you all know how it goes.

Anne Marie

**From:** Boone, Anne M

**Sent:** Thursday, March 25, 2021 8:27 PM

**To:** Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>; Davidson, Paul Curtis <[pdavidso@illinois.edu](mailto:pdavidso@illinois.edu)>; Maghirang, Ronaldo G <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>

**Subject:** RE: ETMAS proposal to Senate Ed Policy - request for a letter

All,

I have found it, but it is not giving me an "Edit" button by which I would be able to make the discussed changes. I think that we need to ask for help from the college. Do you know who I should contact with Brianna out on leave? Also, I found a lot more that needs to be fixed than the relatively minor issues pointed out below, and my experience with CIM-P is minimal.

As Paul mentioned, we need to include the list of Business Electives on the main page which involves adding 38 courses.

Within each concentration page, only the concentration electives are listed. The appropriate list of Introductory Related Courses and TSM Electives is not included. This is in addition to needing to add the "Concentration Electives" label to the list that is currently there. For each concentration page, that is an addition of two subheadings and their corresponding course lists of 5-15 classes.

I have some time tomorrow morning and afternoon to work with someone from ACES to get this info put in correctly in time for the meeting Monday. I will try to coordinate with ACES OAP to work with someone tomorrow.

Anne Marie

[Anne Marie Boone](#)

[Student Academic Program Coordinator](#)

[Department of Agricultural and Biological Engineering](#)

[College of Agricultural, Consumer, and Environmental Sciences \(ACES\)](#)

and The Grainger College of Engineering  
University of Illinois, Urbana-Champaign

360-P Ag Eng Sci Bldg

[1304 W. Pennsylvania](#)

[217-333-7038](#)

[aboone@illinois.edu](mailto:aboone@illinois.edu)

**From:** Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>

**Sent:** Thursday, March 25, 2021 5:18 PM

**To:** Davidson, Paul Curtis <[pdavidso@illinois.edu](mailto:pdavidso@illinois.edu)>; Boone, Anne M <[aboone@illinois.edu](mailto:aboone@illinois.edu)>;  
Maghirang, Ronaldo G <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>

**Subject:** Re: ETMAS proposal to Senate Ed Policy - request for a letter

I found the proposal by doing a search on "engineering technology\*" in CIM-P which brings up the BS program and the concentrations. They rolled back only the BS program to 1741 Committee Chair level (not any of the concentrations), so that's what I worked on earlier today. The formal code for the BS is 10KL0025BS.

I have saved the changes but did not Submit, so I believe Anne Marie can go in and continue to make changes if possible. I got stuck trying to make some of the format changes, such as adding subheadings that were flagged by Nolan. For example, at the bottom of p2, I believe the list of ACE courses is the Business Electives list. However, when I go in to edit, I can't see the Concentrations Lists in order to add a subheading.

Anne Marie, if you can't edit to make the needed changes, could you contact Anna Ball's office to see if they can help? It's pretty straightforward, I think, as to what they want changed. I would trust the task force or you to create an appropriate subheading for the ACE course list. I do have some time tomorrow to work on this, so let me know.

Thanks.

Kent

**From:** Paul Davidson <[pdavidso@illinois.edu](mailto:pdavidso@illinois.edu)>

**Date:** Thursday, March 25, 2021 at 4:11 PM

**To:** Anne Boone <[aboone@illinois.edu](mailto:aboone@illinois.edu)>, Kent Rausch <[krausch@illinois.edu](mailto:krausch@illinois.edu)>, "Maghirang, Ronaldo G" <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>

**Subject:** RE: ETMAS proposal to Senate Ed Policy - request for a letter

Kent and Anne Marie,

Just a reminder that we should also be sure to include the list of business electives. I believe they were not included previously and we were waiting to see if Senate Ed Pol

caught it. Now seems like the perfect time to make sure they're included since the proposal is coming back to us.

Thanks,

Paul

**From:** Boone, Anne M <[aboone@illinois.edu](mailto:aboone@illinois.edu)>  
**Sent:** Thursday, March 25, 2021 4:05 PM  
**To:** Davidson, Paul Curtis <[pdavidso@illinois.edu](mailto:pdavidso@illinois.edu)>; Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>; Maghirang, Ronaldo G <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>  
**Subject:** RE: ETMAS proposal to Senate Ed Policy - request for a letter

Kent,

I do have access to CIM-P . However, I do not know the numbers for our proposal. So I've been unsuccessful in finding the proposal to edit it. Do you know the number for it, or are you able to make the edits by COB tomorrow?

Anne Marie

[Anne Marie Boone](#)

[Student Academic Program Coordinator](#)

[Department of Agricultural and Biological Engineering](#)

[College of Agricultural, Consumer, and Environmental Sciences \(ACES\)](#)

[and The Grainger College of Engineering](#)

[University of Illinois, Urbana-Champaign](#)

[360-P Ag Eng Sci Bldg](#)

[1304 W. Pennsylvania](#)

[217-333-7038](#)

[aboone@illinois.edu](mailto:aboone@illinois.edu)

**From:** Davidson, Paul Curtis <[pdavidso@illinois.edu](mailto:pdavidso@illinois.edu)>  
**Sent:** Thursday, March 25, 2021 9:21 AM  
**To:** Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>; Maghirang, Ronaldo G

<[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>; Boone, Anne M <[aboone@illinois.edu](mailto:aboone@illinois.edu)>

**Subject:** FW: ETMAS proposal to Senate Ed Policy - request for a letter

Hi Kent,

Thanks for passing this along. I've made a couple of minor tweaks to the spreadsheet, based on Nolan's last comments, and am attaching the new spreadsheet to this email. On his marked-up PDF, the section that starts with "Select 18 hours from the lists below...", there should be a row above this saying "Concentration Electives", and then a row below "Select 18 hours from the lists below..." that says "Two of:", followed by the list of ACE courses.

I'm not able to access the CIM-P system, so I don't think I can be of any help with that. Anne Marie, are you able to check what's in CIM-P and make the needed adjustments? I have not received any feedback from the TSM Task Force so far.

Thanks,

Paul

**From:** Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>

**Sent:** Thursday, March 25, 2021 8:44 AM

**To:** Maghirang, Ronaldo G <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>

**Cc:** Davidson, Paul Curtis <[pdavidso@illinois.edu](mailto:pdavidso@illinois.edu)>

**Subject:** FW: ETMAS proposal to Senate Ed Policy - request for a letter

Ronaldo,

Forwarding this to you since you weren't included on Nolan's reply. His comments and attachment are helpful, as are Paul's. I'm not sure "who should do what", but I'm looking at the feedback now. I think we need the task force to go through the comments and make revisions, which Paul has started doing. I'm not sure if I can make the revisions correctly, but I'll take a look at it. Paul may have collected some TF comments since this popped up on Mar 16.

Kent

**From:** "Miller, Nolan H" <[nmiller@illinois.edu](mailto:nmiller@illinois.edu)>

**Date:** Thursday, March 25, 2021 at 8:28 AM

**To:** "Gregg, Brianna J" <[bjgray2@illinois.edu](mailto:bjgray2@illinois.edu)>

**Cc:** Kent Rausch <[krausch@illinois.edu](mailto:krausch@illinois.edu)>, "Ball, Anna Leigh" <[aball@illinois.edu](mailto:aball@illinois.edu)>, Paul Davidson <[pdavidso@illinois.edu](mailto:pdavidso@illinois.edu)>, Kathy Martensen <[kmartens@illinois.edu](mailto:kmartens@illinois.edu)>

**Subject:** RE: ETMAS proposal to Senate Ed Policy - request for a letter

Hi all,

I've been looking at the proposal and discussing it with some of the EPC people, and I think the best thing to do is to roll it back to you so you can make sure the



program of study is clear and consistent across the proposal. In particular, the program of study is discussed in three places: the table in CIM-P, the excel spreadsheet you have attached, "Proposed TSM Curriculum," and the TSM Task Force Final Report. I'm less concerned with the TSM Task Force Report, since the program of study you propose doesn't necessarily have to match the one in that report. But, there are some inconsistencies between the table in CIM-P and the attached spreadsheet that should be fixed.

In addition, I think the proposed curriculum that shows up on this page: [https://nextcourses.illinois.edu/undergraduate/eng\\_aces/engineering-technology-management-bs/agricultural-production-processing/index.html](https://nextcourses.illinois.edu/undergraduate/eng_aces/engineering-technology-management-bs/agricultural-production-processing/index.html) is difficult to follow. In addition to the points below, I have gone through and marked up a pdf with issues I think should be clarified. See attached.

Let me say that, as far as I know, the members of the committee support the substance of the proposal. But, part of what we do is make sure that the requirements will be clear to students who read the program of study and future people who have to implement them. As they stand now, I don't think that's the case. But, since I think you do know what you intend, it should hopefully be a quick fix. (I know that CIM-P is not easy to work with. If you need help editing it, please let me know and I'll connect you with someone who can help.)

If you can get everything squared away and start rolling the proposal back up to the Senate before Monday morning, I'll try to get it passed (or at least discussed in committee) on Monday. If that doesn't work, there is one more meeting of the Senate on April 26. Last year, items from that meeting were sent to the Board of Trustees for their May meeting (and the name change has to be approved by BoT). So, it is likely this can still be passed in time for next year even if we are delayed to April 26. But, to be on the safe side I'd suggest putting a rush on this and trying to get it passed on Monday.

I'm happy to chat as you make the changes if you have any questions.

Nolan

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**I ILLINOIS**

**NOLAN H MILLER**

*Daniel and Cynthia Mah Helle Professor in Finance* | Department of Finance  
*Director, Center for Business and Public Policy*

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*from university employees regarding university business is a public record and may be subject to public disclosure.*

**From:** Gregg, Brianna J <[bjgray2@illinois.edu](mailto:bjgray2@illinois.edu)>  
**Sent:** Wednesday, March 24, 2021 2:44 PM  
**To:** Miller, Nolan H <[nmiller@illinois.edu](mailto:nmiller@illinois.edu)>  
**Cc:** Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>; Ball, Anna Leigh <[aball@illinois.edu](mailto:aball@illinois.edu)>; Davidson, Paul Curtis <[pdavidso@illinois.edu](mailto:pdavidso@illinois.edu)>  
**Subject:** Re: ETMAS proposal to Senate Ed Policy - request for a letter

Hi Dr. Miller-

Thanks for your email. I've copied in Dr. Paul Davidson as well in hopes he can help get a quick response back to you. I've highlighted some notes below to help the discussion.

Thanks-

Brianna

**From:** "Miller, Nolan H" <[nmiller@illinois.edu](mailto:nmiller@illinois.edu)>  
**Date:** Monday, March 22, 2021 at 12:00 PM  
**To:** Brianna Gregg <[bjgray2@illinois.edu](mailto:bjgray2@illinois.edu)>  
**Cc:** "Rausch, Kent D" <[krausch@illinois.edu](mailto:krausch@illinois.edu)>, "Ball, Anna Leigh" <[aball@illinois.edu](mailto:aball@illinois.edu)>  
**Subject:** RE: ETMAS proposal to Senate Ed Policy - request for a letter

Hello,

Some questions have arisen regarding inconsistencies between the requirements as stated in the proposed program of study and the attached excel spreadsheet. These include:

The QRIL courses listed in the proposed program of study page, [https://nextcourses.illinois.edu/undergraduate/eng\\_aces/engineering-technology-management-bs/agricultural-production-processing/index.html](https://nextcourses.illinois.edu/undergraduate/eng_aces/engineering-technology-management-bs/agricultural-production-processing/index.html), do not match the courses listed in the excel sheet attached to the program.

There was a typo in the hours for the proposed program of study in the excel sheet (128) when the program of study lists 126 – both should say 126. Originally they were going to do 128, but decided to stick with the College of ACES typical minimum of 126. Sorry for missing the second updated area.

There are no hours listed for the Cultural Studies Gen Eds – this should be 9 – 3 in each sub category

The “introductory related courses” in the proposed catalog copy lists 18 hours. This is probably a typo and should be 6-8.

The way the 40 hours of advanced courses is included in the table is somewhat confusing. The way this is usually done is to include the 40 hour requirement in the notes area below the table. For example, “ETMAS majors will need XXX hours of upper-level courses (300- to 400-level) in General Education and elective courses to satisfy the campus minimum requirement of 40 hours of upper-level courses for this degree.”

If somebody can get me responses about how to deal with these, I can try to bring the proposal up for discussion today, but as it stands the committee chair and provost’s office would like to at least have clarification on what you intend to propose on these points before we do. The most likely path forward at this point is that the proposal gets rolled back to you to clarify these points. If that can be done quickly, there is still time to pass it at next week’s EPC meeting in order to get it on the April Senate agenda.

Thanks,

Nolan



**NOLAN H MILLER**

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**From:** Gregg, Brianna J <[bjgray2@illinois.edu](mailto:bjgray2@illinois.edu)>

**Sent:** Tuesday, March 16, 2021 4:06 PM

**To:** Miller, Nolan H <[nmiller@illinois.edu](mailto:nmiller@illinois.edu)>

**Cc:** Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>; Ball, Anna Leigh <[aball@illinois.edu](mailto:aball@illinois.edu)>

**Subject:** Re: ETMAS proposal to Senate Ed Policy - request for a letter

That sounds lovely... thank you!

-Brianna

**From:** "Miller, Nolan H" <[nmiller@illinois.edu](mailto:nmiller@illinois.edu)>  
**Date:** Tuesday, March 16, 2021 at 3:02 PM  
**To:** Brianna Gregg <[bjgray2@illinois.edu](mailto:bjgray2@illinois.edu)>  
**Cc:** "Rausch, Kent D" <[krausch@illinois.edu](mailto:krausch@illinois.edu)>, "Ball, Anna Leigh" <[aball@illinois.edu](mailto:aball@illinois.edu)>  
**Subject:** RE: ETMAS proposal to Senate Ed Policy - request for a letter

Thanks Briana,

I've asked the Senate office to attach the letter to the proposal in CIM-P. Hopefully they can do that without needing a rollback.

So far there haven't been any other substantive questions about the proposals, so there's a good chance they will be discussed (and hopefully passed) at Monday's meeting.

Thanks,

Nolan

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### **NOLAN H MILLER**

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**From:** Gregg, Brianna J <[bjgray2@illinois.edu](mailto:bjgray2@illinois.edu)>  
**Sent:** Tuesday, March 16, 2021 1:22 PM  
**To:** Miller, Nolan H <[nmiller@illinois.edu](mailto:nmiller@illinois.edu)>  
**Cc:** Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>; Ball, Anna Leigh <[aball@illinois.edu](mailto:aball@illinois.edu)>  
**Subject:** FW: ETMAS proposal to Senate Ed Policy - request for a letter

Hello Dr. Miller-

Please find the email chain below that includes the information from ENG approval of the name change.

Please let me know if you need anything else.

Thanks-

Brianna

**From:** "Maghirang, Ronaldo G" <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>  
**Date:** Tuesday, March 16, 2021 at 1:18 PM  
**To:** Brianna Gregg <[bjgray2@illinois.edu](mailto:bjgray2@illinois.edu)>  
**Cc:** "Rausch, Kent D" <[krausch@illinois.edu](mailto:krausch@illinois.edu)>, "Davidson, Paul Curtis" <[pdavidso@illinois.edu](mailto:pdavidso@illinois.edu)>  
**Subject:** FW: ETMAS proposal to Senate Ed Policy - request for a letter

Dear Brianna,

Here's the email from Dean Bashir. If you need anything else, please let me know.

Sincerely,  
Ronaldo

**From:** Bashir, Rashid <[rbashir@illinois.edu](mailto:rbashir@illinois.edu)>  
**Sent:** Tuesday, March 16, 2021 1:15 PM  
**To:** Maghirang, Ronaldo G <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>; Eckstein, James N <[eckstein@illinois.edu](mailto:eckstein@illinois.edu)>  
**Subject:** RE: ETMAS proposal to Senate Ed Policy - request for a letter

Dear Ronaldo,

Yes the name change was approved by the Executive Committee. I am also supportive of this change and wish ABE all the best to expand and rebrand this program.

Best wishes

Rashid

++++  
Rashid Bashir, Ph.D.  
Dean, The Grainger College of Engineering  
Grainger Distinguished Chair in Engineering,  
Professor of Bioengineering, Electrical and Computer Engineering, Mechanical Science  
and Engineering, Materials Science and Engineering  
University of Illinois at Urbana-Champaign  
306 Engineering Hall, MC-266  
1308 W. Green Street, Urbana, IL 61801  
(217) 333-2150

<https://grainger.illinois.edu/>

Research Page: <http://libna.mntl.illinois.edu/>

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**From:** Maghirang, Ronaldo G <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>  
**Sent:** Monday, March 15, 2021 2:46 PM  
**To:** Bashir, Rashid <[rbashir@illinois.edu](mailto:rbashir@illinois.edu)>; Eckstein, James N <[eckstein@illinois.edu](mailto:eckstein@illinois.edu)>  
**Subject:** FW: ETMAS proposal to Senate Ed Policy - request for a letter  
**Importance:** High

Dear Dean Bashir, Jim,

Thanks again for your support for the proposed name change for our Technical Systems Management (TSM) program. In order for our proposal to move forward, would you be able to provide an email/letter indicating that the college is supportive of the proposed change?

If you have any questions or need additional information, please let me know.

Sincerely,  
Ronaldo

**From:** Gregg, Brianna J <[bjgray2@illinois.edu](mailto:bjgray2@illinois.edu)>  
**Sent:** Wednesday, March 10, 2021 10:52 AM  
**To:** Maghirang, Ronaldo G <[ronaldom@illinois.edu](mailto:ronaldom@illinois.edu)>  
**Cc:** Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>; Ball, Anna Leigh <[aball@illinois.edu](mailto:aball@illinois.edu)>  
**Subject:** FW: ETMAS proposal to Senate Ed Policy

Hi Dr. Maghirang-

Do you have an email/letter from Engineering so we can add it officially to the CIM proposal?

Thank you!

-Brianna

**From:** Miller, Nolan H <[nmiller@illinois.edu](mailto:nmiller@illinois.edu)>  
**Sent:** Wednesday, March 10, 2021 10:48 AM  
**To:** Ball, Anna Leigh <[aball@illinois.edu](mailto:aball@illinois.edu)>; Rausch, Kent D <[krausch@illinois.edu](mailto:krausch@illinois.edu)>; Gregg, Brianna J <[bjgray2@illinois.edu](mailto:bjgray2@illinois.edu)>  
**Subject:** ETMAS proposal to Senate Ed Policy

Hello,

I am the subcommittee chair handling the proposal(s) to change the name and curriculum for TSM. I am just starting to get feedback from members of Ed Pol,

but so far there haven't been any significant concerns. One member did raise the question of whether Grainger is in support of the name change. Usually what we do in this case is request a letter of support from the unit, in this case Grainger. I see in CIM-P a note from Brianna on 2/10 saying that Grainger is in support of the name change to include Engineering in the title. Do you have this in an email or something from them already? If so, we can just attach it to the proposal in CIM-P and quickly take care of this concern. If not, presumably Brianna has already had this conversation with Grainger and can get something generated pretty quickly. It doesn't need to be long.

If you send me the email/letter when you get it, I will ask the Senate office to upload it to CIM-P. This way we can avoid the need to roll the proposal back to you and save some time.

I'll be in touch if I hear of any substantive concerns from the committee. Based on my read of the proposals, it seems pretty clear what you're doing. It isn't my place to pass judgments on what units want to do with their programs, but to me the changes seem well thought out and beneficial. Unless anything new arises, I think we should be able to get these changes passed in time for the April Senate meeting.

Best,

Nolan

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