In Workflow

1. U Program Review
2. 1741 Committee Chair
3. 1741 Head
4. KL Committee Chair
5. KL Dean
6. University Librarian
7. Grad_College
8. Provost
9. Senate EPC
10. Senate
11. U Senate Conf
12. Board of Trustees
13. IBHE
14. HLC
15. DMI

Approval Path

1. 01/13/22 3:21 pm Deb Forgacs (dforgacs): Approved for U Program Review
2. 01/13/22 3:26 pm Kent Rausch (krausch): Approved for 1741 Committee Chair
3. 01/13/22 3:46 pm Ronaldo Maghirang (ronaldom): Approved for 1741 Head
4. 01/14/22 9:49 am Brianna Gregg (bjgray2): Approved for KL Committee Chair

Date Submitted: 01/13/22 12:16 pm

Viewing: **1PKS0025MS : Engineering Technology and Management for Agricultural Systems, Technical Systems-Management, MS – PSM**

Last approved: 02/20/19 5:27 pm

Last edit: 02/04/22 9:23 am

Changes proposed by: Heather Crump

Catalog Pages: Technical Systems Management, MS - Professional Science Master's

Proposal Type:

Last approved: 02/20/19 5:27 pm

Last edit: 02/04/22 9:23 am

Changes proposed by: Heather Crump

Proposal Type:
Major (ex. Special Education)

This proposal is for a:

Revision

Administration Details

<table>
<thead>
<tr>
<th>Official Program</th>
<th>Engineering Technology and Management for Agricultural Systems, Technical-Systems Management, MS - PSM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Brianna Gregg</td>
</tr>
<tr>
<td>Sponsor College</td>
<td>Agr, Consumer, &amp; Env Sciences</td>
</tr>
<tr>
<td>Sponsor</td>
<td>Agricultural &amp; Biological Engr</td>
</tr>
<tr>
<td>Department</td>
<td></td>
</tr>
<tr>
<td>Sponsor Name</td>
<td>Ronaldo Maghirang</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:ronaldom@illinois.edu">ronaldom@illinois.edu</a></td>
</tr>
</tbody>
</table>

History

1. Feb 20, 2019 by Deb Forgacs (dforgacs)
Feedback from faculty, staff, students, and alumni indicated the Technical Systems Management (TSM) program was in need of revision. In Fall 2019, the Department of Agricultural and Biological Engineering formed a task force to assess needs and propose necessary changes to the program. The task force collected feedback from current faculty and staff along with surveys of current students and alumni who graduated between 1980 and 2019. Proposed changes intend to increase the appeal of the program to a wider audience, making it more accessible to students whose interests align with the program. Feedback strongly indicated the name "Technical Systems Management" was confusing and difficult to explain to prospective students, employers, and a general audience. Based on this feedback, a new, more descriptive name of "Engineering Technology and Management for Agricultural Systems" is proposed. The name of the program of the Bachelor of Science in Technical Systems Management has been approved to change to "Bachelor of Science in Engineering Technology and Management for Agricultural Systems" (B.S. in ETMAS). In a line with the program name change for the Bachelor of Science, it is proposed to change the name of graduate program from Technical Systems Management (TSM) to Engineering Technology and Management for Agricultural Systems (ETMAS).
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

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).

Obtain subject matter expertise
Identify problems and develop problem-solving abilities / critical thinking
Function effectively on multidisciplinary teams
Demonstrate professional and ethical values
Communicate effectively in written and oral forms
Engage in life-long learning skills
Develop leadership and interpersonal skills
Analyze and interpret data
Understand social and cultural contexts
Develop global perspective
Carry out independent research with expertise in research design, methods, and analysis

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.

Revised programs

Attach a side-by-side comparison with the existing program
AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab
Corresponding Degree
MS Master of Science

Program Features
Academic Level Graduate
Does this major have transcripted concentrations? No
What is the typical time to completion of this program? Fall 2022
What are the minimum Total Credit Hours required for this program? 42

Statement for Programs of Study Catalog

Course List

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSM 594</td>
<td>Course TSM 594 Not Found (0 hours registration every term while in residence every fall term for the PSM concentration)</td>
<td>0</td>
</tr>
<tr>
<td>ETMA 594</td>
<td>Graduate Seminar (0 hours registration every term while in residence, every fall term for the PSM concentration)</td>
<td>0</td>
</tr>
<tr>
<td>One course in statistics from an approved list</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>One course in research methods including experimental design in consultation with advisor</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>One 500-level elective course chosen in consultation with advisor</td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>Elective courses – chosen in consultation with advisor (subject to Other Requirements and Conditions 15-23 below)</td>
<td></td>
<td>15-23</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>42</td>
</tr>
</tbody>
</table>

Other Requirements
Grad Other Degree Requirements

Requirement | Description
---|---
Other requirements may overlap | 
The PSM concentration is required | 
A minimum of 12 500-level credit hours applied toward the degree. | 
The minimum program GPA is 2.75. | 

For additional details and requirements refer to the department's Graduate Handbook and the Graduate College Handbook.

Corresponding Degree
MS Master of Science

Fall 2022
42
What is the required GPA?  

2.75

CIP Code 140301 - Agricultural Engineering.

Is This a Teacher Certification Program?  

No

Will specialized accreditation be sought for this program?  

No

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Admission Requirements

Desired Effective Admissions Term  

Fall 2018

Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

Describe how critical academic functions such as admissions and student advising are managed.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

this is a request to update the program name from Technical Systems Management (TSM) to Engineering Technology and Management for Agricultural Systems (ETMAS)

Estimated Annual Number of Degrees Awarded

Year One Estimate  migration  5th Year Estimate (or when fully implemented)

What is the matriculation term for this program?  

Fall

Budget
Are there budgetary implications for this revision? No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available? No

Additional Budget Information

Attach File(s)

Financial Resources

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

Will the unit need to seek campus or other external resources? No

Attach letters of support

What tuition rate do you expect to charge for this program? e.g, Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary)

Are you seeking a change in the tuition rate or differential for this program? No

Is this program requesting self-supporting status? 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)?
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.

Attach File(s)

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.

this is a request to update the program name from Technical Systems Management (TSM) to Engineering Technology and Management for Agricultural Systems (ETMAS)

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.

this is a request to update the program name from Technical Systems Management (TSM) to Engineering Technology and Management for Agricultural Systems (ETMAS)

EP Documentation

EP Control Number
EP.22.101

Attach Rollback/Approval Notices
This proposal requires HLC inquiry

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name
MS: Tech Sys Mgmt PSM - UIUC

Program Code: 1PKS0025MS

Minor Code 0025

Degree Code MS
Conc Code

Major Code