New Program Proposal

Date Submitted: 07/13/16 3:06 pm

Viewing: EMGTMS : Engineering Managment, Master of Science in Engineering Management

Last edit: 10/19/16 7:58 am

Changes proposed by: richardh

In Workflow

- 1. ENGR Dean Initial
- 2. GRAD Dean Initial
- 3. Provost Initial
- 4. Director of Program Assessment and Review
- 5. Registrar Initial
- 6. Institutional Research
- 7. ENGD Chair
- 8. ENGR Curriculum Committee
- 9. ENGR Faculty
- 10. ENGR Dean
- 11. Global Campus
- 12. Provost Review
- 13. University Course and Program Committee
- 14. Graduate Committee
- 15. Faculty Senate
- 16. Provost Final
- Provost's Office--Documentation sent to System Office
- 18. Higher Learning Commission
- 19. Board of Trustees
- 20. ADHE Initial
- 21. ADHE Final
- 22. Provost's Office--Notification of Approval
- 23. Registrar Final
- 24. Catalog Editor Final

Approval Path

- 1. 07/13/16 3:26 pm ndennis: Approved for ENGR Dean Initial
- 2. 07/15/16 8:17 am pkoski: Approved for GRAD Dean Initial

- 3. 08/12/16 9:29 am tmartin: Rollback to ENGR Dean Initial for Provost Initial
- 4. 09/06/16 2:10 pm ndennis: Approved for ENGR Dean Initial
- 5. 09/06/16 3:48 pm pkoski: Approved for GRAD Dean Initial
- 09/07/16 8:06 am tmartin: Rollback to ENGR Dean Initial for Provost Initial
- 7. 10/12/16 7:49 am ndennis: Approved for ENGR Dean Initial
- 8. 10/12/16 9:39 am pkoski: Approved for GRAD Dean Initial
- 10/13/16 3:05 pm tmartin: Approved for Provost Initial
- 10. 10/14/16 3:44 pm agriffin: Approved for Director of Program Assessment and Review
- 11. 10/14/16 5:20 pm Ikulcza: Approved for Registrar Initial
- 12. 10/17/16 8:19 am ggunderm: Approved for Institutional Research
- 13. 10/17/16 10:42 pm ndennis: Approved for ENGD Chair
- 14. 10/19/16 8:22 am rossetti: Approved for ENGR Curriculum Committee
- 15. 10/19/16 2:42 pm ndennis: Approved for ENGR Faculty
- 16. 10/19/16 2:42 pm ndennis: Approved for ENGR Dean
- 17. 10/21/16 4:50 pm pritchey: Approved for Global Campus
- 10/21/16 4:53 pm tmartin: Approved for Provost Review

Submitter:	User	ID: richardh				
	Phor	ne: 479-575-5521				
Academic Level	Grad	Graduate				
Select a reason for this new program:	Adding New Certificate or Degree(LOI 1, Proposal-1)					
Program Status	Active					
Academic Unit	Major/Field of Study Are you adding a concentration? No					
	Ac	tion	Code	Name		
	Are	Are you adding a track? No				
	Act	tion	Code	Name		
	Are	Are you adding a focused study? No				
	Ac	tion	Code	Name		
Effective Catalog Year	Fall 2017					
College, School, Division	College of Engineering (ENGR)					
Department Code	Department of Engineering Dean (ENGD)					
Program Code	EMGTMS					
Degree	Master of Science in Engineering Managment					
CIP Code	14.0101 - Engineering, General.					
Program Title	Engineering Managment, Master of Science in Engineering Management					
Method of Delivery	On Campus On-line/Web-based					
On-line/Web-based Information						
Reason for offering Web-based Program:		Marketing research and needs assessment indicate working engineers prefer the flexibility of online instruction. Additionally, needs expressed by 10% of engineers in the operations management program along with the flexibility of 5 8-week terms. The attached survey shows decision makers in Arkansas companies believe an option for mixed methods including web- based/online instruction is an important part of any program.				
Maximum Class Size for Web-based Courses:		35				
		Online				

Web-based Delivery Method:	
Web-based Interaction Method:	Electronic Bulletin Boards
Percentage Online:	100%
On Campus Component:	Yes
Provide a List of Services Supplied by Consortia Partners or Outsourced Organization:	None
Estimate Costs of the Program over the First 3 Years:	Refer to attached spreadsheet.
List Courses Taught by Adjunct Faculty:	
Uploaded MoU Forms:	
Is this program No interdisciplinary or use courses from another College?	
What are the 30 total hours needed to complete the program?	

Program Requirements, Description and 8-Semester Plan

The Master of Science in Engineering Management prepares students to lead and manage engineering programs, technology, personnel and functions. It is designed specifically to prepare engineers with ABET degrees to lead technical projects and technical workforces. The program provides application skills to solve real world leadership problems in an engineering setting. Each area of instruction helps graduates blend the best practices of engineering and business principles to provide value added to any organization.

Core Courses(4)

- EMGT 5033 Introduction to Engineering Management
- OMGT 5783 Project Management
- •<u>OMGT 5463</u> Economic Decision Making
- •INEG 5443 /OMGT 5443 Decision Models

-Engineering Sequence (3)

•Three Course Engineering Sequence (MSE, EMGT, INEG or other disciplines)

 –Electives (3) •OMGT 5793 Risk Management •INEG 5253 /OMGT 5253 Leadership •OMGT 5983 Advanced Project Management •OMGT 5653 Introduction to Analytics for Operations Managers •Other MSE, OMGT, INEG, Engineering Disciplines, Walton (Entrepreneurship & Innovation) –Comprehensive Exam 				
Program Costs	All program costs will be supported from tuition and fees. Projected student enrollment is 25 students per year. Program cost is \$262.50 per credit hour and \$150 per course distance fee. Total program cost is \$9375 per student. There is no annual state general revenues or external support for this program. The program will be funded entirely off of tuition and fees.			
Library Resources	All currently available to college of engineering.			
Instructional Facilities	All currently available to college of engineering.			
Faculty Resources	Tenure track and adjunct faculty in the College of Engineering and Walton College of Business.			
Are Similar Programs available in the area?	No			
List Existing Certificate or Degree Programs that Support the Proposed Program:	Master of Science in Engineering Master of Science in Electrical Engineering Master of Science in Operations Management			
Estimated Student Demand for Program:	30			
Scheduled Program				
Review Date:	Fall 2019-20			
Review Date: Program Goals and Objectives:	Fall 2019-20 Prepare students to lead and manage engineering programs, technology, personnel and functions.			
Program Goals and	Prepare students to lead and manage engineering programs, technology, personnel and			

Program reviewer comments	 ndennis (12/08/15 2:03 pm): Added attachments tmartin (12/11/15 8:04 am): Rollback: Please revise the Proposal to include program revenue and expenditures for the first three years and correct formatting issues with the document. ndennis (12/15/15 11:43 am): Luploaded your spreadsheet, but was unable to remove the prose description of costs. It does not appear in any of my editable boxes. Please remove the cost description and say "refer to attached spreadsheet. " Ikulcza (01/14/16 6:01 pm): Rollback: See my comments. Remove cost description and add "refer to attached spreadsheet. " Ikulcza (01/14/16 6:01 pm): Rollback: Rollback per request from Alice Griffin; also please clarify if this is a new degree versus a new major? Is this an MS with a major in Engineering Management or is this a MSEM (Master of Science in Engineering Management)? agriffin (05/12/16 3:10 pm): Effective date will need to be fail 2017, based on timing of submission and the approval process. agriffin (05/13/16 3:48 pm): Rollback: Please edit Proposal-1 form and upload LOI-1 form. Also remove LON 13. ndennis (07/13/16 12:12 pm): Removed LON-1, duplicated file. ndennis (07/13/16 12:12 pm): Rollback: Please correct Proposal to either include attachments or remove the reference to them (see my email). Scrub faculty list to remove retirees and deceased faculty who no longer teach. tmartin (08/12/16 9:29 am): Rollback: Rollback to ENGR Dean to make changes in proposal. ndennis (09/06/16 2:10 pm): Uploaded Revised: Proposal, Employer Survey Results, Faculty CV, and Program Cost documents. tmartin (09/07/16 8:06 am): Rollback: Rolled back to ENGR Dean to revise uploaded files. agriffin (10/14/16 1:30 pm): Under Faculty Resources changed Walton Business School to Walton College of Business. agriffin (10/14/16 3:42 pm): Changed "Program Costs" field from student tuition and fees to include explanation of source of program fun
Uploaded attachments:	employer needs survey form - summary 2015.pdf ENGR - OMGT Evaluation.pdf EM Surveys Combined.pdf EMGT Costs.pdf EMGT Faculty CV edited.pdf EMGTMS - New Degree - Ltr of Intent.docx EMGTMS Proposal 1 Form Revised.docx