

From: noreply@wsu.edu
To: [curriculum.submit](#)
Subject: 442192 Engineering and Technology Management Requirements Revise - Revise or Drop Graduate Certificate
Date: Thursday, April 05, 2018 3:26:52 PM
Attachments: [2018.04.05.15.26.46.42.FormData.html](#)
[2018.04.05.15.26.45.14.currentCatalogFile_Grad_Cert_inProject_Management_add_risk_rationale.docx](#)
[2018.04.05.15.26.45.14.currentCatalogFile1_Grad_Cert_in_Project_Management_from_Graduate_School.docx](#)

Patricia Elshafei has submitted a request for a major curricular change. His/her email address is: pelshafei@wsu.edu.

Requested change: Revise or Drop Graduate Certificate

Title: Project Management

Requested Effective Date: Fall 2019

Revise certificate requirement: Yes

Dean: Field, David - Assoc Dean - VCEA - Grad,

Chair: Zentz, Kim,

UCORE Committee
Approval Date

All-University
Writing Com / Date

Catalog Subcommittee
Approval Date

GSC or AAC
Approval Date

Faculty Senate
Approval Date

From: [Zentz, Kim](#)
To: [curriculum.submit](#); [Field, Dave](#)
Subject: RE: 442192 Engineering and Technology Management Requirements Revise - Revise or Drop Graduate Certificate
Date: Monday, April 09, 2018 11:40:17 AM
Attachments: [image003.png](#)

I approve this proposal in its current form.



Kim Zentz, P.E., MEM, Director
Engineering and Technology Management
Voiland College of Engineering and Architecture
Washington State University
PO Box 1495 | CCRS 232 | Spokane, WA 99210-1495
kzentz@wsu.edu | 509-358-2030 | cell 509-995-5287
etm.wsu.edu

From: curriculum.submit@wsu.edu [mailto:curriculum.submit@wsu.edu]
Sent: Thursday, April 05, 2018 3:27 PM
To: Zentz, Kim <kzentz@wsu.edu>; Field, Dave <dfield@wsu.edu>
Subject: 442192 Engineering and Technology Management Requirements Revise - Revise or Drop Graduate Certificate

Zentz, Kim,

Field, David - Assoc Dean - VCEA - Grad,

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Requested change: Revise or Drop Graduate Certificate

Title: Project Management

Requested Effective Date: Fall 2019

Revise certificate requirement: Yes

Both Chair and Dean approval is required to complete the submission process. Please indicate that you have reviewed the proposal by highlighting one of the statements below and **reply all** to this email. (curriculum.submit@wsu.edu.) [Details of major change requested can be found in the attached supplemental documentation]

1. I approve this proposal in its current form.

From: [Field, Dave](#)
To: [curriculum.submit](#); [Zentz, Kim](#)
Subject: RE: 442192 Engineering and Technology Management Requirements Revise - Revise or Drop Graduate Certificate
Date: Friday, April 06, 2018 7:54:36 AM

I approve this proposal in its current form.

Dave

From: curriculum.submit@wsu.edu <curriculum.submit@wsu.edu>
Sent: Thursday, April 05, 2018 3:27 PM
To: Zentz, Kim <kzentz@wsu.edu>; Field, Dave <dfield@wsu.edu>
Subject: 442192 Engineering and Technology Management Requirements Revise - Revise or Drop Graduate Certificate

Zentz, Kim,

Field, David - Assoc Dean - VCEA - Grad,

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1. I approve this proposal in its current form.
2. I approve this proposal with revisions. Revisions are attached.
3. I do not approve this proposal. Please return to submitter.

If you do not respond within one week, you will be sent a reminder email. If no response is received within three weeks of the submission date, the proposal will be returned to the submitter.

Thank you for your assistance as we embark on this new process. If you have any questions or concerns, please let us know wsu.curriculum@wsu.edu.

Project Management Graduate Certificate Justification for Adding E M 568

Description: There are always significant challenges when required to deliver a unique product, service, or other result in a given time and with limited resources. The application of project management techniques provides the best chance for success in such endeavors. The courses associated with this certificate provide students with the knowledge and tools necessary to plan, organize, sequence activities, logically schedule, manage and control projects, large and small. The courses introduce concepts in both the art and discipline of project management, including communication and leadership of technical people and the various approaches to schedule and resource controls, including PERT, CPM, and Critical Chain.

Requirements:

E M 564 Project Management

E M 508 Legal Concepts for Engineering and Technical Managers

Either:

E M 501 Management of Organizations

or E M 522 Leadership, Supervision and Management

Either:

E M 520 Contract Project Management

or E M 530 Applications of Constraints Management

or EM568 Risk Analysis and Management (*proposed*)

Rationale:

Project Risk Management is an important aspect of project management and is one of the ten knowledge areas defined in PMBOK. Chapter 11 of the 5th Edition of the PMBOK Guide deals with the knowledge area of Risk Management. According to the 5th Edition of the PMBOK Guide, project risk is “an uncertain event or condition that, if it occurs, has a positive or negative effect on one or more project objectives such as scope, schedule, cost, or quality.” The figure (next page) shows a typical risk management process in the view of project management.

The decision to include to replace E M 590 with E M 568 was made by a consensus of the faculty at the October 13th Fall Faculty Meeting. Including this Risk Management class will not impact the Voiland College of Engineering and Architecture, the university, the global campus. It was taught two semesters as E M 595, a topics course and has been approved with its own number E M 568, effective Fall 2017. It enhances a student’s understanding and provides a different dimension of project management as is defined in the CIP definition of Project Management:

Project Management .A program that prepares individuals to apply quantitative and qualitative knowledge, skills, tools, and techniques to manage **projects** in a wide range of fields and occupations. Includes instruction in **project** planning, risk **management**, cost and time **management**, contracts and procurement, accounting, statistics, decision making, and human resources. Code 52.0211

<http://nces.ed.gov/IPEDS/CIPCODE/cipdetail.aspx?y=55&cipid=89316>

Benchmark of other Project Management certificates and inclusion of risk in the curriculum:

University of Virginia

Required Courses (4)

PSPM 5030 Introduction to Project Management

PSPM 5200 Project Schedule, Cost & Budget Control

PSPM 5210 Project Risk Management

PSPM 5230 Project Management: Leadership & Managing the Project Team

Elective Courses (Select 2)

PC 5010 Procurement Policy & Practices

PSPM 5240 Introduction to Purchasing for Project Managers

PSPM 5280 Topics in Project Management

PSPM 5290 Principles & Practices of Agile Project Management

UC Berkley Extension (2 units each)

BUS ADM X470 Project Management

BUS ADM X469.2 Project Leadership and Building High-Performing Team

BUS ADM X471.9 Project Execution and Control

BUS ADM X470.9 Project Scope and Quality Management

BUS ADM X440.4 Project Schedule and Risk Management

BUS ADM X40.9 Project Cost and Procurement Management

Boston University (Four courses/16 credits)

METAD642 Project Management

METAD643 Project Communications Management

And two additional courses chosen from the following:

METAD644 Project Risk and Cost Management

METAD646 Program Management

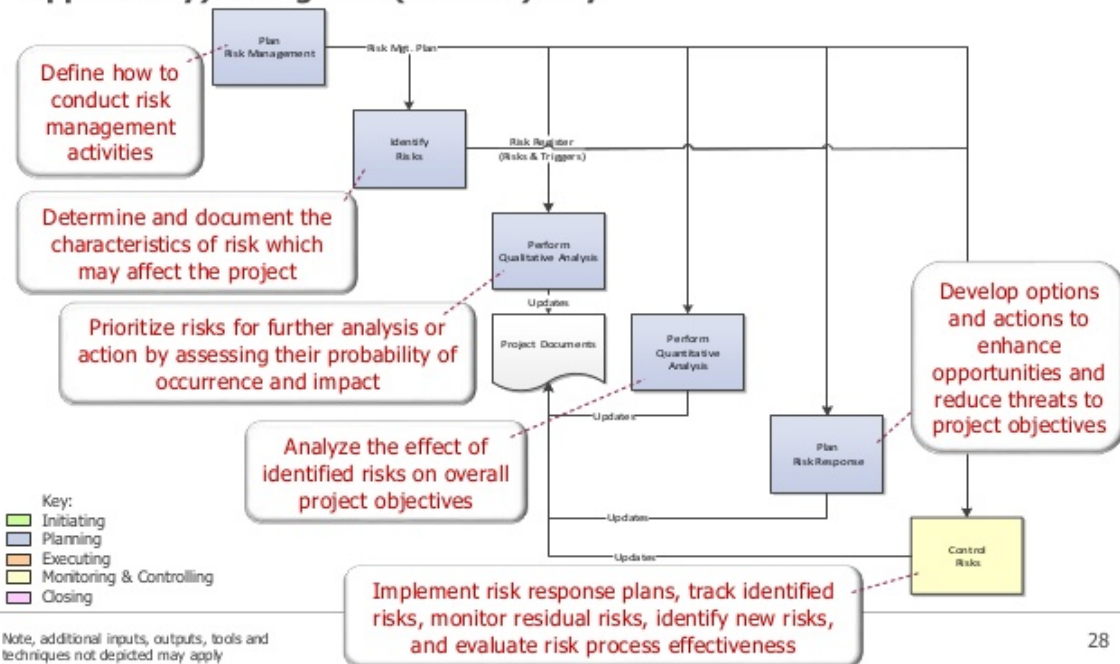
METAD647 Project and Program Governance

METAD649 Agile Project Management

8. Risk Management – Process Activities



Risks are possible events that could impact the project in a positive (an opportunity) or negative (a threat) way.



Graduate Certificate in Project Management

1. Credit Hours: 12 credit hours total
2. Required Courses
 - a. E_M 508
 - b. E_M 564
3. Selective Courses
 - a. E_M 501 or E_M 522
 - b. E_M 520 or E_M 530 or E M 538 Risk Analysis and Management
4. GPA requirement: Cumulative GPA may not fall below a 3.0