

**From:** [noreply@wsu.edu](mailto:noreply@wsu.edu)  
**To:** [curriculum.submit](#)  
**Subject:** 611210 Engineering and Technology Management Requirements Revise - Revise or Drop Graduate Certificate  
**Date:** Monday, September 21, 2020 1:59:59 PM  
**Attachments:** [2020.09.21.13.57.07.86.FormData.html](#)  
[2020.09.21.13.57.07.16.currentCatalogFile1\\_Grad\\_Cert\\_in\\_Project\\_Management\\_from\\_GS\\_with\\_.docx](#)  
[2020.09.21.13.57.07.16.currentCatalogFile1\\_Justification\\_for\\_PM\\_Cert\\_rev.docx](#)

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

**Requested change:** Revise or Drop Graduate Certificate

**Title:** Project Management

**Requested Effective Date:** Fall 2021

**Revise certificate requirement:** Yes

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

**Chair:** Squires, Alice – Chair – Engineering and Technology Management,

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Catalog Subcommittee  
Approval Date

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AAC, PHSC, or GSC  
Approval Date

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Faculty Senate  
Approval Date

**From:** [Squires, Alice](#)  
**To:** [curriculum.submit](#)  
**Cc:** [Field, Dave](#); [Squires, Alice](#)  
**Subject:** Re: 611210 Engineering and Technology Management Requirements Revise - Revise or Drop Graduate Certificate  
**Date:** Monday, September 21, 2020 2:35:50 PM

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1. I approve this proposal in its current form.

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**From:** "curriculum.submit@wsu.edu" <curriculum.submit@wsu.edu>  
**Date:** Monday, September 21, 2020 at 5:00 PM  
**To:** WSU - Alice Squires <alice.squires@wsu.edu>  
**Cc:** "Field, Dave" <dfield@wsu.edu>  
**Subject:** 611210 Engineering and Technology Management Requirements Revise - Revise or Drop Graduate Certificate

Squires, Alice – Chair – Engineering and Technology Management,

Field, David - Assoc Dean - VCEA - Grad,

Patricia Elshafei has submitted a request for a major curricular change.

**Requested change:** Revise or Drop Graduate Certificate

**Title:** Project Management

**Requested Effective Date:** Fall 2021

**Revise certificate requirement:** Yes

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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](mailto: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.
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

**From:** [Field, Dave](#)  
**To:** [Squires, Alice](#); [curriculum.submit](#)  
**Subject:** Re: 611210 Engineering and Technology Management Requirements Revise - Revise or Drop Graduate Certificate  
**Date:** Monday, September 21, 2020 3:43:02 PM

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I approve this proposal in its present form.

Dave

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**From:** Squires, Alice <[alice.squires@wsu.edu](mailto:alice.squires@wsu.edu)>  
**Sent:** Monday, September 21, 2020 2:35 PM  
**To:** [curriculum.submit](#) <[curriculum.submit@wsu.edu](mailto:curriculum.submit@wsu.edu)>  
**Cc:** Field, Dave <[dfield@wsu.edu](mailto:dfield@wsu.edu)>; Squires, Alice <[alice.squires@wsu.edu](mailto:alice.squires@wsu.edu)>  
**Subject:** Re: 611210 Engineering and Technology Management Requirements Revise - Revise or Drop Graduate Certificate

1. I approve this proposal in its current form.
- 

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## **Project Management Certificate**

*Voiland College of Engineering and Architecture  
Engineering and Technology Management Program*

**Website:** [etm.wsu.edu/pm/](http://etm.wsu.edu/pm/)

**Description:** Many modern projects involve technical complexity and challenges in terms of assembling and directing large temporary organizations while subject to constrained resources, limited time schedules, and environmental uncertainty. 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. The early stages of project management are emphasized because of the ability to influence the quality, cost, and schedule can best be achieved during the early stages of development.

**Location(s):** Global Campus

**Admission and Certificate Requirements:** See admission and certificate requirements [www.etm.wsu.edu/certificate-program/](http://www.etm.wsu.edu/certificate-program/)

**Application Deadline:** Fall, July 15 (Jan 10 international); Spring, November 15 (July 1 international); Summer, March 15

**Minimum Required Credits:** 12 graded; 12 total

### **Current Certificate Course Requirements:**

1. EM 564 Project Management
2. One of:
  - a. EM 501 Management of Organizations
  - b. EM 522 Leadership, Supervision, and Management
3. EM 508 Legal Concepts for Engineering and Technical Managers
4. One of:
  - a. EM 520 Contract Project Management
  - b. EM 530 Applications of Constraints Management
  - c. EM 568 Risk Assessment and Management

### **To Be Certificate Course Requirements:**

1. EM 564 Project Management
2. EM 522 Leadership, Supervision, and Management
3. EM 568 Risk Assessment and Management
4. One of:
  - a. EM 508 Legal Concepts for Engineering and Technical Managers
  - b. EM 505 Finance for Technical Systems
  - c. EM 570 Systems Improvement: Integrating TOC, Lean, and Six Sigma

### **Justification for Changes:**

1. EM 564-No change, remains the same as the current requirement
2. EM 501 has been deleted and EM 522 remains as the requirement. The graduate faculty has voted to delete EM 501 from the ETM curriculum and retain only EM 522. There is considerable duplication of content in EM 501 and EM 522 so EM 522 will be retained as a course in the curriculum.
3. EM 508 has been moved to an alternative course in No. 4 as EM 508 has limited attendance and has been removed from the ETM core course selections. Because of the increasing challenges mentioned in the description above, risks have become a major influence in making project management decisions and therefore EM 568 has been added as a required course for the certificate rather than an alternative.
4. EM 520 and EM 530 have been deleted from the ETM curriculum due to a lack of enrollment and is therefore being deleted from the certificate. EM 568 has been moved to No. 3 as a required course (see 3. Above). EM 508 and EM 505 are selectives that allow a student to choose content to supplement their work knowledge or prepare for working in legal or finance areas of Project Management hence they have been added as two of the alternatives for the certificate. Since EM 534 is no longer a part of the ETM

curriculum the subject matter has been incorporated into EM 570 which provides a holistic set of modern tools for use available to the project manager in meeting the cost, schedule, and performance requirements of managing a project.

**Contact Information:**

Patricia Elshafei, Graduate Academic Coordinator

ETRL 336, Spokane Street

Pullman, WA 99164-2785

509-335-0125

[etm@wsu.edu](mailto:etm@wsu.edu)

**Graduate Certificate in Project Management**

1. Credit Hours: 12 credit hours total
2. Required Courses
  - a. ~~E\_M 508~~
  - a. ~~E M 522~~
  - b. E\_M 564
  - b.c. E M 568
3. Selective Courses
  - a. ~~E\_M 501 or E\_M 522~~
  - b. ~~E\_M 520 or E\_M 530 or E\_M 568~~
  - c. E M 505
  - d. E M 508 or
  - e. E M 570
  - b.f.