

From: noreply@wsu.edu
To: [curriculum.submit](#)
Subject: 709661 Engineering and Technology Management Requirements Revise - Revise or Drop Graduate Certificate
Date: Wednesday, June 8, 2022 9:18:17 AM
Attachments: [2022.06.08.09.14.50.30.FormData.html](#)
[2022.06.08.09.14.48.12.currentCatalogFile_Grad_Cert_in_Logistics_and_Supply_Chain_Mgmt_.docx](#)
[2022.06.08.09.14.48.12.currentCatalogFile1_2022_Justification_for_SCM_Certificate_Change.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

Other curriculum change being requested: New Name, Requirements, Total Credits: New Name, Requirements, Credits: Supply Chain Management Certificate – 9 credits 1. E M 560 Integrated Supply Chain Management 2. Choose two of: * a. E M 530 Applications of Constraints Management b. E M 567 Systems Supportability and Logistics Management c. E M 540 Operations Research and Analytics (new selection) d. E M 568 Risk Assessment and Management

Degree: Graduate Certificate in Logistics and Supply Chain Management

Title:

New Title: Supply Chain Management

Requested Effective Date: Fall 2023

Revise Graduation Requirements: Yes

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

Chair: Vanek, Todd – Director – Engineering and Technology Management,

Catalog Subcommittee
Approval Date

AAC, PHSC, or GSC
Approval Date

Faculty Senate
Approval Date

From: Vanek, G. Todd
To: curriculum.submit
Cc: Field, Dave
Subject: RE: 709661 Engineering and Technology Management Requirements Revise - Revise or Drop Graduate Certificate
Date: Wednesday, June 8, 2022 2:39:26 PM

I have highlighted my approval below.

Todd

.....
G. Todd Vanek
Engineering and Technology Management
Washington State University

From: curriculum.submit@wsu.edu <curriculum.submit@wsu.edu>
Sent: Wednesday, June 8, 2022 9:15 AM
To: Vanek, G. Todd <gtvanek@wsu.edu>
Cc: Field, Dave <dfield@wsu.edu>
Subject: 709661 Engineering and Technology Management Requirements Revise - Revise or Drop Graduate Certificate

Vanek, Todd – Director – Engineering and Technology Management,

Field, David - Assoc Dean - VCEA - Grad,

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Title:

Requested Effective Date: Fall 2023

Revise Graduation Requirements: 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.

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.

Blaine Golden, Assistant Registrar

Graduations, Curriculum, and Athletic Compliance

Washington State University

Registrar's Office

PO Box 641035

Pullman WA 99164-1035

509-335-7905

bgolden@wsu.edu

Note: Please use the attachments to this email rather than the link below to view the supporting documentation.

From: [Field, Dave](#)
To: [Vanek, G. Todd](#); [curriculum.submit](#)
Subject: Re: 709661 Engineering and Technology Management Requirements Revise - Revise or Drop Graduate Certificate
Date: Wednesday, June 8, 2022 3:19:03 PM

I approve this proposal in the present form.

Cheers,

Dave

From: Vanek, G. Todd <gtvanek@wsu.edu>
Sent: Wednesday, June 8, 2022 2:39 PM
To: curriculum.submit <curriculum.submit@wsu.edu>
Cc: Field, Dave <dfield@wsu.edu>
Subject: RE: 709661 Engineering and Technology Management Requirements Revise - Revise or Drop Graduate Certificate

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bgolden@wsu.edu

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Justification for Supply Chain Management Certificate- change to add EM540 Operations Research and Analytics, Revise Choice Selections, and Name Change, Total Credits Required

Current Name, Requirements, Credits:

Logistics and Supply Chain Management Certificate – 12 credits

1. E M 560 Integrated Supply Chain Management
2. E M 530 Applications of Constraints Management
3. E M 567 Systems Supportability and Logistics Management
4. One of: *
 - a. E M 590 Leading Design and Innovation
 - b. E M 568 Risk Assessment and Management

Proposed Change

Add EM 540 Operations Research and Analytics and revise choice selections; reduce credit requirement

New Name, Requirements, Credits:

Supply Chain Management Certificate – 9 credits

1. E M 560 Integrated Supply Chain Management
2. Choose two of: *
 - a. E M 530 Applications of Constraints Management
 - b. E M 567 Systems Supportability and Logistics Management
 - c. E M 540 Operations Research and Analytics (new selection)
 - d. E M 568 Risk Assessment and Management

Rationale

Operations Research and Analytics course presents fundamental modeling and analytical methods to managerial decisions, organizational problems, and systems optimization. Engineering and business management requires rigorous problem-solving methods and models based on the extensive use of information and data. The applications widely used in many supply chain systems and operations are discussed including such topics as linear programming in capacity and facility planning, network optimization in transportation and distribution, and queuing models and simulation in service systems planning.

Having choice selections will stream line the course offerings and allow flexibility to the students to focus on special topics in constraints management, logistics, analytics, or risk