

From: noreply@wsu.edu
To: [curriculum.submit](#)
Subject: 597724 Electrical Engineering and Computer Science Requirements Revise - Revise or Drop Graduate Plan
Date: Friday, July 17, 2020 8:38:23 AM
Attachments: [2020.07.17.08.35.36.43.FormData.html](#)
[2020.07.17.08.35.35.35.currentCatalogFile_MSSE_MajorChanges_June2020.docx](#)

Sakire Arslan Ay has submitted a request for a major curricular change. His/her email address is: sakire.arslanay@wsu.edu.

Requested change: Revise or Drop Graduate Plan

Degree: M.S. in Software Engineering (Online)

Title: Software Engineering, Non-Thesis

Requested Effective Date: Fall 2021

Revise plan requirement: Yes

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

Chair: Pande, Partha,

| | | |
|---------------------------------------|------------------------------------|---------------------------------|
| _____ | _____ | _____ |
| Catalog Subcommittee Approval Date | AAC, PHSC, or GSC Approval Date | Faculty Senate Approval Date |

From: [Pande, Partha Pratim](#)
To: [curriculum.submit](#)
Cc: [Field, Dave](#)
Subject: Re: 597724 Electrical Engineering and Computer Science Requirements Revise - Revise or Drop Graduate Plan
Date: Friday, July 17, 2020 8:39:04 AM

I approve this proposal in its current form.

Partha

Partha Pratim Pande
Director and Professor
Boeing Centennial Chair in Computer Engineering
School of EECS, WSU
PO BOX 642752
Pullman, Washington 99164-2752
Phone 509-335-5055 Fax 509-335-3818
pande@wsu.edu

From: "curriculum.submit@wsu.edu" <curriculum.submit@wsu.edu>
Date: Friday, July 17, 2020 at 8:38 AM
To: "Pande, Partha Pratim" <pande@wsu.edu>
Cc: "Field, Dave" <dfield@wsu.edu>
Subject: 597724 Electrical Engineering and Computer Science Requirements Revise - Revise or Drop Graduate Plan

Pande, Partha,

Field, David - Assoc Dean - VCEA - Grad,

Sakire Arslan Ay has submitted a request for a major curricular change.

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Degree: M.S. in Software Engineering (Online)

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Requested Effective Date: Fall 2021

Revise plan 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

From: [Field, Dave](#)
To: [Pande, Partha Pratim](#); [curriculum.submit](#)
Subject: Re: 597724 Electrical Engineering and Computer Science Requirements Revise - Revise or Drop Graduate Plan
Date: Saturday, July 18, 2020 6:54:36 AM

I approve this in it's current form.

Cheers,

Dave

From: Pande, Partha Pratim <pande@wsu.edu>
Sent: Friday, July 17, 2020 8:39 AM
To: curriculum.submit <curriculum.submit@wsu.edu>
Cc: Field, Dave <dfield@wsu.edu>
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Sakire Arslan Ay has submitted a request for a major curricular change.
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Title: Software Engineering, Non-Thesis
Requested Effective Date: Fall 2021

MS in Software Engineering – Major Changes:

Core Courses

9 credits

- ~~Cpt S 515: Advanced Algorithms~~
- Cpt S 484: Software Requirements
- Cpt S 582: Software Testing
- Cpt S 487/587: Software Design and Architecture

Advanced Courses

~~15~~ 12 credits

- Cpt S 581: Software Maintenance
- ~~Cpt S 582: Software Testing~~
- Cpt S 583: Software Quality
- E M 522: Leadership, Supervision and Management
- E M 564: Project Management

Elective Courses

~~6~~ 9 credits taken from the courses listed below

- Cpt S 415: Big Data
- Cpt S 515: Advanced Algorithms
- Cpt S 540: Artificial Intelligence
- Cpt S 570: Machine Learning
- Cpt S 580: Advanced Databases
- ~~Cpt S 527: Computer Security~~ **OR**
any other 500-level course in Software Engineering, Computer Science, Computer Engineering, or Math

Rationale for the proposed changes:

Currently, “CptS 515 - Advanced Algorithms” course is required for the MS in Software Engineering degree. CptS 515 is a theory course focusing on foundational algorithms and related topics that are not directly related to the core software engineering topics.

Therefore, we propose to replace this core requirement with CptS 582 - Software Testing, which covers a core software engineering topic. And we propose moving CptS 515 to the pool of elective courses. Students who are interested in algorithms and theory may take this course as an elective.

School of EECS offers several other Computer Science courses in the online mode that are applicable to software engineering. Our MS SE students have shown interest in taking these

courses as electives. Therefore, we are proposing to add more options to the pool of elective courses.

Our software engineering curriculum committee has reviewed this proposal and approved of all the changes.