



Program Approval Form

For approval of new programs and deletions or modifications to an existing program.

Action Requested:

- Create New (SCHEV approval required except for minors)
 Inactivate Existing
 Modify Existing (check **ALL** that apply)

- Title (SCHEV approval required except for minors)
 Concentration (Choose one): Add Delete Modify
 Degree Requirements
 Admission Standards/ Application Requirements
 Other Changes: Accelerated Options Requirement

Type (Check one):

- B.A. B.S. Minor
 Master's
 Ph.D.
 Undergraduate Certificate*
 Graduate Certificate*
 Bachelor's/Accelerated Master's Other:

College/School:
Submitted by:

VSE
Rajesh Ganesan

Department:

SEOR

Ext: 3-1693

Email:

rganesan@gmu.edu

Effective Term:

Fall

2018

Please note: For students to be admitted to a new degree, minor, certificate or concentration, the program must be fully approved, entered into Banner, and published in the University Catalog.

Justification: (attach separate document if necessary)

Provide flexibility in course selections for UG students who wish to take the accelerated MS degree program (changes are underlined)

Program Title: (Required)

Title must identify subject matter. Do not include name of college/school/dept.

Concentration(s):

Admissions Standards / Application Requirements: (Required only if different from those listed in the University Catalog)

Degree Requirements:

Consult University Catalog for models, attach separate document if necessary using track changes for modifications

Existing	New/Modified
BS (selected)/Operations Research, Accelerated MS	<u>Systems Engineering</u> , BS / Operations Research, Accelerated MS
<p>Admission Requirements</p> <p>Mason undergraduate students majoring in the following disciplines may apply to this option if they have earned 90 undergraduate credits with an overall GPA of at least 3.30 and completed all MATH and PHYS requirements. Criteria for admission are identical to criteria for admission to the Operations Research, MS program.</p> <p>Civil and Infrastructure Engineering Computer Engineering Computer Science Electrical Engineering Systems Engineering</p> <p>Accelerated Options Requirements</p> <p>Up to two courses (6 credits) of approved master's level courses taken as part of the undergraduate degree may be applied to the graduate degree. These two courses may be chosen from the graduate courses in the following table.</p> <p>For BS candidates, these graduate courses replace the corresponding undergraduate courses listed. The undergraduate version of these courses may not be applied toward the MS degree.</p> <p>Accelerated Requirements</p> <p>Undergraduate Graduate</p> <p>SYST 420 SYST 521 Credit may not be received for both courses. SYST 473 SYST 573 Credit may not be received for both courses. OR 441 OR 541 Credit may not be received for both courses. OR 442 OR 542 Credit may not be received for both courses.</p>	<p>Admission Requirements</p> <p><u>Mason undergraduate students majoring in systems engineering may apply to this option if they have earned 90 undergraduate credits with an overall GPA of at least 3.30 and completed all MATH and PHYS requirements. Criteria for admission are identical to criteria for admission to the Operations Research, MS program.</u></p> <p>Accelerated Options Requirements</p> <p>Up to two courses (6 credits) of approved master's level courses taken as part of the undergraduate degree may be applied to the graduate degree. These two courses may be chosen from the graduate courses in the following table.</p> <p>For BS candidates, these graduate courses replace the corresponding undergraduate courses listed. The undergraduate version of these courses may not be applied toward the MS degree.</p> <p>Accelerated Requirements</p> <p>Undergraduate Graduate</p> <p>SYST 420 SYST 521/OR 643 Credit may not be received for both courses. SYST 473 SYST 573 Credit may not be received for both courses. OR 441 OR 541 Credit may not be received for both courses. OR 442 OR 542 Credit may not be received for both courses.</p>

	<u>SYST 438¹ SYST 538 Credit may not be received for both courses.</u> <u>SYST 468¹ SYST 568 Credit may not be received for both courses.</u> <u>SYST 488¹ SYST 588 Credit may not be received for both courses.</u> ¹ <u>These courses apply only to certain concentrations in the graduate program.</u>
Any other 500-level course may be applied to both the undergraduate and graduate degrees with approval of the advisor and SEOR department chair.	Any other 500-level course may be applied to both the undergraduate and graduate degrees with approval of the advisor and SEOR department chair.
TOTAL CREDITS REQUIRED:	30

Courses offered via distance:
(if applicable)

TOTAL CREDITS REQUIRED:

30

30

***For Certificates Only:** Indicate whether students are able to pursue on a Full-time basis Part-time basis

Approval Signatures

Gr. Rajan _____ 09/14/2017 _____
 Department Date College/School Date
 (Signatures: P. N. F. 12/4/17, S. H. 12/5/17)

If this program may impact another unit or is in collaboration with another unit at Mason, the originating department must circulate this proposal for review by those units and obtain the necessary signatures prior to submission. Failure to do so will delay action on this proposal.

Unit Name	Unit Approval Name	Unit Approver's Signature	Date
SEOR – Graduate coordinator	Dr. Chun-Hung Chen	<i>CH Chen</i>	11/28/2017

For Undergraduate Programs only

_____ Undergraduate Council Member
 _____ Provost Office
 _____ Undergraduate Council Approval Date

For Graduate Programs Only

_____ Graduate Council Member
 _____ Provost Office
 _____ Graduate Council Approval Date

For Registrar Office's Use Only: Received _____ Banner _____ Catalog _____ revised 9/2/2016