Program Change Request

Date Submitted: 05/20/21 2:23 pm

Viewing: MATSMS-NSMD : Materials Science: Nanoscale Materials and Devices Concentration

Last approved: 08/24/20 5:37 pm

Last edit: 06/03/21 12:40 pm

Changes proposed by: rickwise

Catalog Pages Using this Program

Materials Science and Engineering (MSEN)

Submitter:	User ID:	**rickwise** ~~lkulcza~~	Phone: **2875** ~~7456~~
Program Status	Active		
Academic Level	Graduate		
Type of proposal	Concentration		

Select a reason for this modification

Making Minor Changes to an Existing Degree (e.g. changing 15 or fewer hours, changing admission/graduation requirements, adding/changing Focused Study or Track)

Effective Catalog Year	Fall 2022

College/School Code

Graduate School and International Education (GRAD)

Department Code

Materials Science and Engineering (MSEN)

Program Code	MATSMS-NSMD
Degree	Master of Science in Materials Science

In Workflow

1. **GRAD Dean Initial**
2. **GRAD Dean Initial**
3. **Director of Program Assessment and Review**
4. **Registrar Initial**
5. **Institutional Research**
6. **MSEN Chair**
7. **ENGR Dean**
8. **ARSC Dean**
9. **GRAD Dean**
10. **Global Campus**
11. **Provost Review**
12. **University Course and Program Committee**
13. Graduate Committee
14. Faculty Senate
15. Provost Final
16. Provost's Office--Notification of Approval
17. Registrar Final
18. Catalog Editor Final

Approval Path

1. 05/20/21 2:46 pm Jim Gigantino (jgiganti): Approved for GRAD Dean Initial

CIP Code	2. 05/20/21 2:47 pm Jim Gigantino (jgiganti): Approved for GRAD Dean Initial 3. 05/21/21 4:20 pm Alice Griffin (agriffin): Approved for Director of Program Assessment and Review 4. 05/21/21 4:41 pm Lisa Kulczak (lkulcza): Rollback to Director of Program Assessment and Review for Registrar Initial 5. 05/21/21 4:47 pm Alice Griffin (agriffin): Approved for Director of Program Assessment and Review 6. 06/03/21 12:41 pm Lisa Kulczak (lkulcza): Approved for Registrar Initial 7. 06/03/21 1:10 pm Gary Gunderman (ggunderm): Approved for Institutional Research 8. 06/22/21 1:27 pm Rick Wise (rickwise): Approved for MSEN Chair

9. 06/22/21 1:45 pm Norman Dennis (ndennis): Approved for ENGR Dean
10. 06/22/21 3:40 pm Jeannie Hulen (jhulen): Approved for ARSC Dean
11. 06/23/21 5:47 pm Jim Gigantino (jgiganti): Approved for GRAD Dean
12. 06/24/21 8:20 am Suzanne Kenner (skenner): Approved for Global Campus
13. 06/24/21 8:38 am Terry Martin (tmartin): Approved for Provost Review

History

1. May 11, 2020 by Lisa Kulczak (lkulcza)
2. May 12, 2020 by Charlie Alison (calison)
3. Aug 20, 2020 by Lisa Kulczak (lkulcza)
4. Aug 24, 2020 by Lisa Kulczak (lkulcza)

40.1001 - Materials Science.

Program Title

Materials Science: Nanoscale Materials and Devices Concentration

Program Delivery Method

On Campus

Is this program interdisciplinary?

Yes

College(s)/School(s)

College/School Name
College of Engineering (ENGR)
Fulbright College of Arts and Sciences (ARSC)

Does this proposal impact any courses from another College/School?

No

What are the total hours needed to complete the program? na

Program Requirements and Description

Requirements

Concentration in Nanoscale Materials and Devices

Choose nine hours of the following: 9

- CHEM 5443 Physical Chemistry of Materials
- ELEG 5303 Introduction to Nanomaterials and Devices (Introduction to Nanomaterials and Devices)
- **MEEG 5263 Introduction to Micro Electro Mechanical Systems**
- MEEG 5333 Introduction to Tribology
- MEEG 5343 Computational Material Science
- MSEN 5713 Advanced Nanomaterials Chemistry
- MSEN 5733L Fabrication at the Nanoscale
- MSEN 6323 Materials Engineering Design
- PHYS 5713 Condensed Matter Physics I
- PHYS 5723 Physics at the Nanoscale
- PHYS 5783 Physics of 2D Materials
- PHYS 6713 Condensed Matter Physics II

Are Similar Programs available in the area?

No

Estimated Student Demand for Program see MATEMS info

Scheduled Program Review Date	see MATEMS info

Program Goals and Objectives

Program Goals and Objectives
see MATEMS info

Learning Outcomes

Learning Outcomes
see MATEMS info

Description and justification of the request

Description of specific change	Justification for this change
Added one course (MEEG 5263) to MATSMS Nanoscale Materials and Devices concentration.	Update concentration course list. Approved by MSEN faculty and Aug 31, 2020 faculty meeting.

Upload attachments

Reviewer Comments

Alice Griffin (agriffin) (05/21/21 4:18 pm): Changed effective date from fall 2021 to fall 2022. It is too late to complete approval for the fall 2021 catalog of studies.

Alice Griffin (agriffin) (05/21/21 4:19 pm): ATTENTION: This minor program change qualifies for the shortened approval workflow.

Lisa Kulczak (lkulcza) (05/21/21 4:41 pm): Rollback: Per request from Alice.

Alice Griffin (agriffin) (05/21/21 4:47 pm): CORRECTION, due to the addition of the MEEG course, this minor program change will require campus approval.

Key: 769