

Program Change Request

Date Submitted: 05/20/21 2:40 pm

Viewing: **MATEMS-ENMD : Materials**

Engineering: Energy Materials and Devices

Concentration

Last approved: 08/24/20 5:39 pm

Last edit: 06/03/21 12:51 pm

Changes proposed by: rickwise

Catalog Pages Using
this Program

[Materials Science and Engineering \(MSEN\)](#)

Submitter: User ID: **rickwise kucza** 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 MATEMS-ENMD

Degree Master of Science in Materials Engineering

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 2:43 pm
Jim Gigantino
(jgiganti): Approved for GRAD Dean Initial

CIP Code

2. 05/20/21 2:44 pm
Jim Gigantino
(jgiganti): Approved
for GRAD Dean
Initial
3. 05/21/21 4:24 pm
Alice Griffin
(agriffin): Approved
for Director of
Program
Assessment and
Review
4. 05/21/21 4:29 pm
Lisa Kulczak
(lkulcza): Rollback to
Director of Program
Assessment and
Review for Registrar
Initial
5. 05/21/21 4:35 pm
Alice Griffin
(agriffin): Approved
for Director of
Program
Assessment and
Review
6. 05/27/21 4:13 pm
Lisa Kulczak
(lkulcza): Rollback to
Director of Program
Assessment and
Review for Registrar
Initial
7. 05/27/21 4:15 pm
Alice Griffin
(agriffin): Approved
for Director of
Program
Assessment and
Review

8. 06/03/21 12:53 pm
Lisa Kulczak
(lkulcza): Approved
for Registrar Initial
9. 06/03/21 1:09 pm
Gary Gunderman
(ggunderm):
Approved for
Institutional
Research
10. 06/22/21 1:18 pm
Rick Wise (rickwise):
Approved for MSEN
Chair
11. 06/23/21 4:30 pm
Norman Dennis
(ndennis): Approved
for ENGR Dean
12. 06/23/21 5:43 pm
Jeannie Hulen
(jhulen): Approved
for ARSC Dean
13. 06/23/21 5:45 pm
Jim Gigantino
(jgiganti): Approved
for GRAD Dean
14. 06/24/21 8:19 am
Suzanne Kenner
(skenner): Approved
for Global Campus
15. 06/24/21 8:36 am
Terry Martin
(tmartin): Approved
for Provost Review

History

1. May 11, 2020 by
Lisa Kulczak (lkulcza)
2. May 11, 2020 by
Lisa Kulczak (lkulcza)

- 3. May 12, 2020 by Charlie Alison (calison)
- 4. Aug 24, 2020 by Lisa Kulczak (lkulcza)

14.1801 - Materials Engineering.

Program Title

Materials Engineering: Energy 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) |
| 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 Energy Materials and Devices

Choose nine hours from the following:

- CHEM 5283 Energy Conversion and Storage
- ELEG 5223 Design and Fabrication of Solar Cells
- MEEG 5343 Computational Material Science

MEEG 5353 Lithium-ion Batteries and Beyond: Materials, Characterization, and Performance

MSEN 5713 Advanced Nanomaterials Chemistry

MSEN 5733L Fabrication at the Nanoscale

MSEN 6323 Materials Engineering Design

Are Similar Programs available in the area?

No

Estimated Student see MATEMS info

Demand for Program

Scheduled Program see MATEMS info

Review Date

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 5353) to MATEMS Energy Materials and Devices concentration. | Update concentration course list. Approved by MSEN faculty at Aug 31, 2020 faculty meeting. |

Upload attachments

Reviewer Comments

Lisa Kulczak (lkulcza) (05/21/21 4:29 pm): Rollback: Per request from Alice.

Alice Griffin (agriffin) (05/21/21 4:33 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 4:34 pm): Due to the request adding MEEG, this minor program change will require campus approval.

Lisa Kulczak (lkulcza) (05/27/21 4:13 pm): Rollback: Testing workflow for interdisciplinary question.

Alice Griffin (agriffin) (05/27/21 4:14 pm): Testing workflow regarding interdisciplinary question.

