APPROVED BY SENATE
11/15/2021

EP.22.043_FINAL
Approved by EP 11/08/2021

1597: POLYMER SCIENCE AND ENGINEERING MINOR

In Workflow

1. U Program Review (dforgacs@illinois.edu; eastuby@illinois.edu; aledward@illinois.edu; mhazen@illinois.edu)
2. 1919 Head (matse-head@illinois.edu)
3. KP Committee Chair (bsnewell@illinois.edu; kcp@illinois.edu; jmakela@illinois.edu; amccul2@illinois.edu; bodony@illinois.edu)
4. KP Dean (candyd@illinois.edu)
5. University Librarian (jpwilkin@illinois.edu)
6. Provost (kmartens@illinois.edu; mhazen@illinois.edu)
7. Senate EPC (bjlehman@illinois.edu; moorhouz@illinois.edu; kmartens@illinois.edu)
8. Senate (jtempel@illinois.edu)
9. U Senate Conf (none)
10. Board of Trustees (none)
11. IBHE (none)
12. HLC (kmartens@illinois.edu)
13. DMI (eastuby@illinois.edu; aledward@illinois.edu; dforgacs@illinois.edu)

Approval Path

1. Mon, 25 Oct 2021 15:17:25 GMT
   Deb Forgacs (dforgacs): Approved for U Program Review
2. Mon, 25 Oct 2021 18:16:23 GMT
   Nancy Sottos (n-sottos): Approved for 1919 Head
3. Tue, 02 Nov 2021 18:09:22 GMT
   Brooke Newell (bsnewell): Approved for KP Committee Chair
4. Tue, 02 Nov 2021 18:11:25 GMT
   Candy Deaville (candyd): Approved for KP Dean
5. Tue, 02 Nov 2021 19:43:38 GMT
   John Wilkin (jpwilkin): Approved for University Librarian
6. Tue, 02 Nov 2021 19:53:16 GMT
   Kathy Martensen (kmartens): Approved for Provost

History

1. Apr 23, 2019 by Deb Forgacs (dforgacs)

Deactivation Proposal

Date Submitted:Fri, 22 Oct 2021 17:56:51 GMT

Viewing:1597 : Polymer Science and Engineering Minor

Changes proposed by: Laura Nagel

Proposal Type:

Minor (ex. European Union Studies)

This proposal is for a:

Phase Down/Elimination

Administration Details

Official Program Name

Polymer Science and Engineering Minor

Sponsor College

Grainger College of Engineering

Sponsor Department

Materials Science & Engineering

Sponsor Name

Dallas Trinkle

Sponsor Email

dtrinkle@illinois.edu

College Contact

Brooke Newell

College Contact Email

bsnewell@illinois.edu

Does this program have inter-departmental administration?

No

Proposal Title

Effective Catalog Term

Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Elimination of Polymer Science and Engineering minor

Program Justification

Why are these changes necessary?

The Polymer Science and Engineering minor has had very low enrollment (0-1 students) in recent years. There are no students currently enrolled in the minor. Most students interested in studying polymers are better served by taking the Materials Science and Engineering minor and selecting polymers courses for elective choices.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

N/A

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hours of 300- or 400- level courses. Except clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponoring unit do not count toward this total. The unit sponsoring the minor and that unit's college may set educationally necessary prerequisites for eligibility for the minor within these constraints. Does this proposal meet these criteria?

Yes

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Statement for Programs of Study Catalog

Code	Title	Hours
Core Course Work		
MSE 450	Polymer Science & Engineering	3-4
or CHBE 456	Polymer Science & Engineering	
MSE 452	Course MSE 452 Not Found	3
MSE 453	Plastics Engineering	3
Thermodynamics - Choose one of the following:		3-8
CHBE 321	Thermodynamics	
CHEM 442	Physical Chemistry I	
CHEM 444	Physical Chemistry II	
ME 200	Thermodynamics	
MSE 401	Thermodynamics of Materials	
PHYS 427	Thermal & Statistical Physics	
TAM 251	Introductory Solid Mechanics (Mechanical Properties)	3
CHEM 236	Fundamental Organic Chem I (Chemistry)	4
Polymer Related - Choose at least two of the following:		6
CHEM 436	Fundamental Organic Chem II	
CHEM 437	Organic Chemistry Lab	
ME 450	Course ME 450 Not Found	
MSE 455	Macromolecular Solids	
MSE 457	Polymer Chemistry	
MSE 458	Polymer Physics	
MSE 480	Surfaces and Colloids	
FSHN 469	Package Engineering	
TAM 427	Course TAM 427 Not Found	

Program Features

Academic Level

Undergraduate

Is this minor?

A Comprehensive study in a single discipline

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Other than certification via the students' degree audits, is there any additional planned mechanism to award/honor successful completion of the minor?

No

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Will the department limit enrollment to the minor?

No

Describe how the department will monitor the admission to/enrollment in the minor.

N/A

Are there any prerequisites for the proposed minor?

No

Describe how this revision will impact enrollment and degrees awarded.

There will be no impact on enrollment.

Budget

Are there budgetary implications for this revision?

No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

No

Financial Resources

Will the unit need to seek campus or other external resources?

No

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/ acknowledgement from faculty, students, and/or other impacted units as appropriate.

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

There will not be any impact on library resources.

EP Documentation

EP Control Number

EP.22.043

This proposal requires HLC inquiry

No

DMI Documentation

Banner/Codebook Name

Polymer Science and Engineering

Program Code:

1597

Minor Code

1597

Key: 128