Deactivation Proposal

Date Submitted: 07/14/23 7:34 am

Viewing: **10KS5369MS : Bioinformatics: Bioengineering, MS**

Last approved: 03/14/22 11:43 am
Last edit: 11/17/23 11:57 am
Changes proposed by: Maddie Darling

Proposal Type: Deactivation Proposal

Catalog Pages
Using this Program

Approval Path
1. 07/19/23 3:10 pm
   Donna Butler (dbutler):
   Approved for U Program Review
2. 08/21/23 4:00 pm
   Wawosz Dobrucki (dobrucki):
   Approved for 1343 Head
3. 09/22/23 9:26 am
   Ashley Hallock (ahallock):
   Approved for KP Committee Chair
4. 09/22/23 9:56 am
   Michael Stoller (stoller4):
   Approved for KP Dean
5. 09/29/23 3:26 pm

Approved by EP 11/27/2023
Concentration (ex. Dietetics)

This proposal is
for a:
- **Revision**
- **Phase Down/Elimination**

### Administration Details

- **Official Program**
  - Bioinformatics: Bioengineering, MS

- **Name**

- **Diploma Title**

- **Sponsor College**
  - Grainger College of Engineering

### History

1. Sep 6, 2019 by Mary Lowry (lowry)
2. Sep 9, 2019 by Mary Lowry (lowry)
3. Mar 14, 2022 by Mary Lowry (lowry)
Proposal Title

Effective Catalog
Fall 2024

Term

Proposal Title (either Establish/Revise/Eliminate the Degree Name in Program Name in the College of XXXX, i.e., Establish the Bachelor of Science in Entomology in the College of Liberals Art and Sciences, include the Graduate College for Grad Programs)

Eliminate the concentration in Bioengineering in the Master of Science in Bioinformatics in the Grainger College of Engineering and the Graduate College

Does this proposal have any related proposals that will also be revised during the next 6 weeks? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently. Example: If you are revising the BS proposal and one related concentration within the next 6 weeks, "This BS proposal (key 567) is related to the Concentration A proposal (key 145)."

No.

Program Justification

Provide a brief description of what changes are being made to the program and this is also not an area we plan to hire in. We have never had students enroll in the program; none are currently enrolled.

We propose to eliminate the program. We have not had any faculty to teach the program and this is also not an area we plan to hire in. We have never had students enroll in the program; none are currently enrolled.
Historical Context:

The MS in Bioinformatics is an interdisciplinary program with multiple concentrations, currently residing in the i-School. A campus-wide committee oversees the program, including all concentrations. The major courses are common to all the concentrations, and each concentration has department-specific course requirements. Students apply directly to a concentration within the MS in Bioinformatics. This proposal is to deactivate Bioengineering concentration only, thus the courses listed in the Program of Study outside of the BIOE department are not impacted, nor are students in any of the active Bioinformatics, MS concentrations (e.g. CS).

Why are these changes necessary?

We have no capacity to run the program, nor interest to do so.

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 this new program/proposed change result in the replacement of another program?

No

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

No

Program Regulation and Assessment

Plan to Assess and Improve Student Learning

Illinois Administrative Code: 1050.30(b)(1)(D) Provision is made for guidance and counseling of students, evaluations of student performance, continuous monitoring of progress of students toward their degree objectives and appropriate academic record keeping.

List the program's student learning outcomes. Each outcome should identify what students are expected to know and/or be able to do upon completing this program.

N/A, as we are proposing to eliminate the program.

Describe how, when, and where these learning outcomes will be assessed.

Describe here:
Identify faculty expectations for students’ achievement of each of the stated student learning outcomes. What score, rating, or level of expertise will signify that students have met each outcome? Provide rating rubrics as necessary.

Explain the process that will be implemented to ensure that assessment results are used to improve student learning.

Program
Description and Requirements
Attach Documents

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/PublicAdminRules2017.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.

Catalog Page Text - Overview Tab

Description of program for the catalog page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

Statement for Programs of Study Catalog

Thesis Option

Course List

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOE 599</td>
<td>Thesis Research (min applied toward degree)</td>
<td>4</td>
</tr>
<tr>
<td>BIOE 504</td>
<td>Analytical Methods in Bioeng</td>
<td>4</td>
</tr>
<tr>
<td>or BIOE 505</td>
<td>Computational Bioengineering</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Computer Science and Informatics (choose one)</td>
<td>4</td>
</tr>
<tr>
<td>CS 411</td>
<td>Database Systems</td>
<td></td>
</tr>
<tr>
<td>CS 466</td>
<td>Introduction to Bioinformatics</td>
<td></td>
</tr>
<tr>
<td>CS 473</td>
<td>Algorithms</td>
<td></td>
</tr>
<tr>
<td>CPSC 565</td>
<td>Perl &amp; UNIX for Bioinformatics</td>
<td></td>
</tr>
<tr>
<td>IS 455</td>
<td>Database Design and Prototyping</td>
<td></td>
</tr>
<tr>
<td>IS 542</td>
<td>Research and Inquiry for Youth</td>
<td></td>
</tr>
<tr>
<td>STAT 428</td>
<td>Statistical Computing</td>
<td></td>
</tr>
<tr>
<td>STAT 440</td>
<td>Statistical Data Management</td>
<td></td>
</tr>
<tr>
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<td>Advanced Data Analysis</td>
<td></td>
</tr>
<tr>
<td>STAT 480</td>
<td>Big Data Analytics</td>
<td></td>
</tr>
<tr>
<td>STAT 525</td>
<td>Topics in Computational Statistics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fundamental Bioinformatics (choose one)</td>
<td>4</td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
</tr>
<tr>
<td>----------</td>
<td>--------------------------------------------------------</td>
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</tr>
<tr>
<td>ANSC 542</td>
<td>Applied Bioinformatics</td>
<td></td>
</tr>
<tr>
<td>ANSC 545</td>
<td>Statistical Genomics</td>
<td></td>
</tr>
<tr>
<td>CHBE 571</td>
<td>Bioinformatics</td>
<td></td>
</tr>
<tr>
<td>CPSC 567</td>
<td>Bioinformatics &amp; Systems Biol</td>
<td></td>
</tr>
<tr>
<td>CS 466</td>
<td>Introduction to Bioinformatics</td>
<td></td>
</tr>
<tr>
<td>IB 467</td>
<td>Principles of Systematics</td>
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</tr>
<tr>
<td>MCB 432</td>
<td>Computing in Molecular Biology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Biology (choose one)</td>
<td>4</td>
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<tr>
<td>ANSC 441</td>
<td>Human Genetics</td>
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<tr>
<td>ANSC 446</td>
<td>Population Genetics</td>
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<td>BIOP 401</td>
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<tr>
<td>BIOP 550</td>
<td>Biomolecular Physics</td>
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<tr>
<td>CPSC 452</td>
<td>Advanced Plant Genetics</td>
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</tr>
<tr>
<td>CPSC 466</td>
<td>Genomics for Plant Improvement</td>
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</tr>
<tr>
<td>CPSC 563</td>
<td>Chromosomes</td>
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</tr>
<tr>
<td><strong>CPSC 564</strong></td>
<td>Course CPSC 564 Not Found</td>
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<tr>
<td>CPSC 566</td>
<td>Plant Gene Regulation</td>
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<tr>
<td>MCB 400</td>
<td>Cancer Cell Biology</td>
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<tr>
<td>MCB 450</td>
<td>Introductory Biochemistry</td>
<td></td>
</tr>
<tr>
<td>MCB 501</td>
<td>Advanced Biochemistry</td>
<td></td>
</tr>
<tr>
<td>MCB 502</td>
<td>Advanced Molecular and Cell Biology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One course in systems biology from departmental list</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective Courses</td>
<td>9</td>
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<td></td>
<td>Total Hours</td>
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**Non-Thesis Option**

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Program Relationships

Corresponding Program(s):
- Bioinformatics, MS

Program Features

Academic Level: Graduate
Is This a Teacher Certification Program?
No

Will specialized accreditation be sought for this program?
No

Additional concentration notes (e.g., estimated enrollment, advising plans, etc.)

Delivery Method

This program is available:
- On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

List the prerequisites including course titles and number of credit hours for each prerequisite course, and whether or not these prerequisites count in the total hours required for the minor.

Phase Down/Elimination Enrollment

Does this program currently have enrollment? No

Describe how this revision or phase down/elimination will impact enrollment and degrees awarded. If this is an elimination/phase down proposal include the plans for the students left in the program.

We have never had any students in the program.

Number of Students in Program (estimate)

<table>
<thead>
<tr>
<th>Year One Estimate</th>
<th>5th Year Estimate (or when fully implemented)</th>
</tr>
</thead>
</table>

Budget

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?
No

Additional Budget Information

Attach File(s)

Financial Resources
How does the unit intend to financially support this proposal?

Will the unit need to seek campus or other external resources?
   No

Attach letters of support

Is this program requesting self-supporting status?
   No

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc.

   No impact as the program has not been offered.

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.

   The phase down/elimination of this program should not impact any library resources.

EP Documentation

   EP Control Number
   EP.24.048

   Attach Rollback/Approval Notices
   This proposal requires HLC inquiry

   No

DMI Documentation

   Attach Final Approval Notices

   Banner/Codebook Name
   MS:Bioinformatics:Bioeng -UIUC

   Program Code: 10KS5369MS

   Minor Code: 4026

   Conc Code: 5369

   Degree Code: MS

   Major Code
Senate Approval
Date
Senate Conference
Approval Date
BOT Approval
Date
IBHE Approval
Date
HLC Approval
Date
DOE Approval
Date
Effective Date:
Attached Document
Justification for this request

Program Reviewer Comments

Brooke Newell (bsnewell) (11/14/22 2:08 pm): Rollback: email to Maddie

Key: 619