Deactivation Proposal

Date Submitted: 05/04/23 11:39 am

Viewing: **10KS4027MS : Bioinformatics: Chemical & Biomolecular Engineering, MS**

Last approved: 09/04/19 4:31 pm

Last edit: 09/28/23 8:01 am

Changes proposed by: Christopher Rao

Bioinformatics: Chemical & Biomolecular Engineering, MS

Catalog Pages Using this Program

Proposal Type:

In Workflow

1. **U Program Review**
2. **1687 Head**
3. **SOCS Head**
4. **KV Dean**
5. **University Librarian**
6. **Grad_College**
7. **COTE Programs**
8. **Provost**
9. **Senate EPC**
10. Senate
11. U Senate Conf
12. Board of Trustees
13. IBHE
14. HLC
15. DOE
16. DMI

Approval Path

1. 05/05/23 12:05 pm
   Emily Stuby (eastuby): Approved for U Program Review
2. 05/05/23 12:06 pm
   Christopher Rao (cvrao): Approved for 1687 Head
3. 05/05/23 1:35 pm
   Paul Kenis (kenis): Approved for SOCS Head
4. 05/05/23 4:32 pm
   Stephen Downie (sdownie): Approved for KV Dean
5. 05/10/23 11:27 am

History

1. Sep 4, 2019 by Mary Lowry (lowry)
2. Sep 4, 2019 by Mary Lowry (lowry)

Concentration (ex. Dietetics)

This proposal is for a:
~~Revision~~
Phase Down/Elimination

Administration Details

Official Program Name	Bioinformatics: Chemical & Biomolecular Engineering, MS
Diploma Title	
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Chemical and Biomolecular Engineering
Sponsor Name	Christopher Rao
Sponsor Email	cvrao@illinois.edu

College Contact	Stephen R. Downie	College Contact Email

sdownie@illinois.edu

College Budget Officer	Michael Wellens

College Budget Officer Email	wellens@illinois.edu

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?

No

Proposal Title

Effective Catalog Term	Fall 2023

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 Chemical & Biomolecular Engineering in the Master of Science in Bioinformatics in the College of Liberal Arts and Sciences 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)."

Program Justification

Provide a brief description of what changes are being made to the program.	We propose to eliminate the program. We have not had any faculty to teach the program due to departures over the years. This is also not an area we plan to hire in.

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

Code	Title	Hours
Computer Science and Informatics (choose one)		4
CS 411	Database Systems	
CS 466	Introduction to Bioinformatics	
CS 473	Algorithms	
CPSC 565	Perl & UNIX for Bioinformatics	
IS 455	Database Design and Prototyping	
IS 542	Research and Inquiry for Youth	
STAT 428	Statistical Computing	
STAT 440	Statistical Data Management	
STAT 448	Advanced Data Analysis	
STAT 480	Big Data Analytics	
STAT 525	Topics in Computational Statistics	
Fundamental Bioinformatics (choose one)		4
ANSC 542	Applied Bioinformatics	
ANSC 545	Statistical Genomics	
CHBE 571	Bioinformatics	
CPSC 567	Bioinformatics & Systems Biol	
CS 466	Introduction to Bioinformatics	
IB 467	Principles of Systematics	
MCB 432	Computing in Molecular Biology	
Biology (choose one)		4
ANSC 441	Human Genetics	
ANSC 444	Applied Animal Genetics	
ANSC 446	Population Genetics	
BIOP 401	Introduction to Biophysics	
BIOP 550	Biomolecular Physics	
CPSC 452	Advanced Plant Genetics	
CPSC 466	Genomics for Plant Improvement	
CPSC 563	Chromosomes	
CPSC 564	Course CPSC 564 Not Found	
CPSC 566	Plant Gene Regulation	
MCB 400	Cancer Cell Biology	
MCB 450	Introductory Biochemistry	
MCB 501	Advanced Biochemistry	
MCB 502	Advanced Molecular and Cell Biology	
CHBE 572	Metabolic Systems Engineering	6
& CHBE 580	and Lab Techs in Bioinformatics	
CHBE 599	Thesis Research (min/max applied toward degree)	4
Total Hours		32

Other Requirements

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
A concentration is required.	
Minimum 500-level Hours Required Overall:	12
Minimum GPA:	2.75

Non-Thesis Option

Course List

Code	Title	Hours
Computer Science and Informatics (choose one)		4
CS 411	Database Systems	
CS 466	Introduction to Bioinformatics	
CS 473	Algorithms	
CPSC 565	Perl & UNIX for Bioinformatics	
IS 455	Database Design and Prototyping	
IS 542	Research and Inquiry for Youth	
STAT 428	Statistical Computing	
STAT 440	Statistical Data Management	
STAT 448	Advanced Data Analysis	
STAT 480	Big Data Analytics	
STAT 525	Topics in Computational Statistics	
Fundamental Bioinformatics (choose one)		4
ANSC 542	Applied Bioinformatics	
ANSC 545	Statistical Genomics	
CHBE 571	Bioinformatics	
CPSC 567	Bioinformatics & Systems Biol	
CS 466	Introduction to Bioinformatics	
IB 467	Principles of Systematics	
MCB 432	Computing in Molecular Biology	
Biology (choose one)		4
ANSC 441	Human Genetics	
ANSC 444	Applied Animal Genetics	
ANSC 446	Population Genetics	
BIOP 401	Introduction to Biophysics	
BIOP 550	Biomolecular Physics	
CPSC 452	Advanced Plant Genetics	
CPSC 466	Genomics for Plant Improvement	
CPSC 563	Chromosomes	
CPSC 564	Course CPSC 564 Not Found	
CPSC 566	Plant Gene Regulation	
MCB 400	Cancer Cell Biology	
MCB 450	Introductory Biochemistry	
MCB 501	Advanced Biochemistry	
MCB 502	Advanced Molecular and Cell Biology	
CHBE 572	Metabolic Systems Engineering	6
& CHBE 580	and Lab Techs in Bioinformatics	
Total Hours		36

Other Requirements

Grad Other Degree Requirements

Requirement   Description
Other requirements may overlap
A concentration is required.
Minimum 500-level Hours Required Overall:12
Minimum GPA: 2.75

Program Relationships

Corresponding
Program(s):

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   No
currently have
enrollment?

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)

Year One Estimate   5th Year Estimate (or when
                                                        fully implemented)

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.

No impact as the program has not been offered.

EP Documentation

EP Control Number	EP.24.018
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	MS: Bioinformatics: CBE - UIUC
Program Code:	10KS4027MS

Minor Code		Conc Code	4027	Degree Code	MS	Major Code	
4026							

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	