RECEIVED BY SENATE
12/08/2025

EP.26.069
December 8, 2025

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN SENATE
COMMITTEE ON EDUCATIONAL POLICY
(Final; Information)

EP.26.069 Report of Administrative Approvals Through December 8, 2025

In accordance with Part B.9.a of the Senate *Bylaws*, "Senate committees are authorized to act for and in the name of the Senate on minor matters. Such actions shall be reported promptly to the Senate…" Below is a listing of items categorized as administrative approvals and approved by the Senate Committee on Educational Policy in the name of the Senate on the dates indicated. For each program listing, there is no change to the total hours required. Additional information for each approval is attached.

Section 1. This Section Approved by EP on November 17, 2025

A. Graduate Programs

1. **None**.

B. Undergraduate Programs

1. **Revise the Undergraduate Minor in Recreation, Sport and Tourism in the College of Applied Health Sciences (key 964) –** adds four newly created elective courses to the list of optional courses available to minor students (RST 204, RST 238, RST 226, and RST 290) and adds clarifying statement to courses that appear as options in both the Foundational Coursework and Electives.
2. **Revise the Undergraduate Minor in Integrative Biology in the College of Liberal Arts and Sciences (key 373)** – adds IB 201 to the accepted course list options in the 'Select two of the following' list; removes the phrase "Two additional courses at the 300 or 400 level (3-4 hours, some 5 hours) selected from the IB Area Courses. The prerequisite course(s) must be taken if specified by an advanced course."; updates the program of study to list all approved IB Area Courses; adds learning outcomes; adds UG level to the official program name for data standards; and adds a note that "all prerequisite courses must be taken if specified, and students must complete 6 advanced hours of coursework that are distinct from advanced hours required for their major." to the program of study table.
3. **Revise the Undergraduate Minor in Ecology & Conservation Biology in the College of Liberal Arts and Sciences (key 372)** – adds two new courses to the course list (IB 201 as a genetics course option to IB 204 and IB 455 to the 'Select two of the following' list); adds learning outcomes; adds UG level to the official program name for data standards; and adds a note that "all prerequisite courses must be taken if specified, and students must complete 6 advanced hours of coursework that are distinct from advanced hours required for their major." to the program of study table.
4. **Revise the Bachelor of Science in Liberal Arts and Sciences in Integrative Biology in the College of Liberal Arts and Sciences (key 723**) – adds two newly approved courses (IB 455 to Area II course list and IB 454 to the 'Remaining courses to total 15 hours minimum' list); moves one course to a new section of the program of study table (IB 467 from 'Remaining courses to total 15 hours minimum' list to Area I list); removes 2 deactivated courses (IB 450 and IB 491); removes IB 480; removes additional information text after IB 204;

adds maximum of 2 hours of IB 490 to the list of choices for advanced IB credit in the 'Remaining courses to total 15 hours' list; and updates the Distinction GPA.

5. **Revise the Concentration in Honors Integrative Biology in the Bachelor of Science in Liberal Arts and Sciences in Integrative Biology in the College of Liberal Arts and Sciences (key 724)** – adds two newly approved courses (IB 455 to the Area II list and IB 454 to the 'Remaining courses to total 15 hours' list); removes IB 450 and IB 480; updates Distinction GPA; and corrects the sponsor department due to migration error.

Section 2. This Section Approved by EP on December 1, 2025

A. Graduate Programs

1. **Revise the Master of Science in Integrative Biology in the College of Liberal Arts and Sciences and the Graduate College (key 966) –** adds three newly approved courses: IB 455 to the list of approved advanced IB courses for Area II: Behavior, Ecology, and Environment Advanced IB Courses; IB 454 Science Writing & Presentation to the list titled "Remaining courses to total 15 hours minimum may be selected from any of the area courses listed above or from the following list"; and IB 430 to list of approved Area 2 courses for the MS in IB program.; moves one course to a new section of the program of study table: IB 467 from the section titled "Remaining courses to total 15 hours minimum may be selected from any of the area courses listed above or from the following list" to the Area I: Organismal & Evolutionary Biology list.; removes two deactivated courses (IB 491, IB 450).; and removes IB 480 (ME 475), IB 532, IB 535, IB 536.
2. **Revise the Joint Program in the Bachelor of Science in Liberal Arts and Sciences in Integrative Biology and the Master of Science in Integrative Biology in the College of Liberal Arts and Sciences and the Graduate College (key 1159)** - adds three newly approved courses: IB 455 to the list of approved advanced IB courses for Area II: Behavior, Ecology, and Environment Advanced IB Courses; IB 454 Science Writing & Presentation to the list titled "Remaining courses to total 15 hours minimum may be selected from any of the area courses listed above or from the following list"; and IB 430 to list of approved Area 2 courses for the MS in IB program.; moves one course to a new section of the program of study table: IB 467 from the section titled "Remaining courses to total 15 hours minimum may be selected from any of the area courses listed above or from the following list" to the Area I: Organismal & Evolutionary Biology list.; removes two deactivated courses (IB 491, IB 450).; and removes IB 480 (ME 475), IB 532, IB 535, IB 536; removes additional information text after IB 204; adds a maximum of 2 hours of IB 490 to the list of choices for advanced IB credit; and updates the Distinction GPA.
3. **Revise the Concentration in Philosophy of Education in the College of Education and the Graduate College (key 997)** – revises the coursework from the previously cross-listed EPS courses to the new EPOL or ERAM course numbers; removes EPOL 545/EPS 522, EPOL 408/EPS 413, ERAM 515/EPS 516, and EPOL 510/EPS 520 from the concentration coursework; adds EPOL 415 & ERAM 552; and revises the delivery method from on campus to on campus, off campus and online to allow students in the EPOL Online and Off campus programs to add the Philosophy of Education concentration to their student record.

B. Undergraduate Programs

1. **Revise the Bachelor of Science in Information Systems in the Gies College of Business (key 99) –** adds an elective class to the degree requirements for the program.

Program Change Request

EP.26.069
Admin Approval_Section1_#B1

Date Submitted: 10/07/25 8:49 am

Viewing: 4043 : Recreation, Sport and Tourism Minor, UG

Last approved: 10/23/23 1:27 pm

Last edit: 11/06/25 8:43 am

Changes proposed by: Toni Liechty

Catalog Pages Using this Program	Recreation, Sport & Tourism Minor

Proposal Type:
Minor (ex. European Union Studies)

This proposal is for a:
Revision

In Workflow

1. U Program Review
2. 1714-RST Committee Chair
3. 1714-RST Head
4. KY Committee Chair
5. KY Dean
6. University Librarian
7. COTE Programs
8. Provost
9. Senate EPC
10. Senate
11. U Senate Conf
12. Board of Trustees
13. IBHE
14. HLC
15. Catalog Editor
16. DMI

Approval Path

1. 10/10/25 11:17 am Brianna Vargas-Gonzalez (bv4): Approved for U Program Review
2. 10/31/25 12:42 pm Toni Liechty (tliechty): Approved for 1714-RST Committee Chair
3. 10/31/25 1:36 pm Carla Santos (csantos): Approved for 1714-RST Head
4. 11/03/25 10:26 am Robbin King (rlking10):

Approved for KY Committee Chair
5. 11/03/25 10:28 am Robbin King (rlking10): Approved for KY Dean
6. 11/03/25 11:46 am Tom Teper (tteper): Approved for University Librarian
7. 11/03/25 12:20 pm Suzanne Lee (suzannel): Approved for COTE Programs
8. 11/05/25 2:55 pm Brooke Newell (bsnewell): Approved for Provost

History

1. Aug 24, 2020 by Kim Shinew (shinew)
2. Feb 12, 2021 by Kim Shinew (shinew)
3. Oct 23, 2023 by Toni Liechty (tliechty)

Administration Details

Official Program Name	Recreation, Sport and Tourism Minor, UG
Diploma Title	
Sponsor College	Applied Health Sciences
Sponsor Department	Recreation, Sport & Tourism
Sponsor Name	Dr. Toni Liechty

Sponsor Email	tliechty@illinois.edu
College Contact	Dr. Steve Petruzzello ~~Carla Santos~~
College Contact Email	petruzze@illinois.edu ~~csantos@illinois.edu~~
College Budget Officer	
College Budget Officer Email	

If additional stakeholders other than the Sponsor and College Contacts listed above should be contacted if questions during the review process arise, please list them here.

Dr. Toni Liechty

Does this program have inter-departmental administration?

No

Effective Catalog Term

Effective Catalog Term	Spring 2026
Effective Catalog	2025-2026

Proposal Title

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 Liberal Arts and Sciences, include the Graduate College for Grad Programs)

Revise the Undergraduate Minor in Recreation, Sport and Tourism in the College of Applied Health Sciences

Does this proposal have any related proposals that will also be revised at this time and the programs depend on each other? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently and together as needed. Format your response like the following "This BS proposal (key 567) is related to the Concentration A proposal (key 145)"

No

Program Justification

Provide a brief description, using a numbered item list, of the proposed changes to the program.

1. This proposal will add four newly created elective courses (RST 204, RST 238, RST 226, RST 290) to the list of optional courses available to minor students.

2. Adds clarifying statement to courses that appear as options in both the Foundational Coursework and Electives.

Provide the reasoning for why each change was necessary, using a corresponding numbered item list as it relates to the brief description numbered list above.

1. The courses did not have permanent numbers during the last update of the minor. Now that they have been created, we are adding them to the existing list of options to provide more opportunity for students to tailor their elective selections to topics relevant to their educational and career goals.

2. Clarifying statement is added for increased transparency.

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? If Yes is selected, indicate the appropriate courses and attach the letter of support/ acknowledgement.

No

Program Features

Academic Level Undergraduate

Is this minor?

A Comprehensive study in a single discipline

Is this program part of an ISBE approved licensure 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

Does this program prepare graduates for entry into a career or profession that is regulated by the State of Illinois?

No

Program of Study

An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hour of 300- or 400- level courses. Except for clearly remedial offerings, prerequisite courses within the sponsoring unit coun towards the total; prerequisite courses outside the sponsoring 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

Revised programs RST Minor Side By Side_Oct 2025.xlsx

Catalog Page Text - Overview Tab

Catalog Page Overview Text

The Department also offers a Minor. The RST Minor is open to students both inside and outside the College of Applied Health Sciences. The minor is geared towards students who have an interest in working in the sports, recreation or tourism industries, or students who feel knowledge in these areas will help them succeed in their careers.
The course requirements for the minor are 19-21 hours. This includes three foundational courses (9 hours) that all students are required to take followed by 10-12 courses from a list of approved electives. The foundational courses will enable students to acquire knowledge about the broad range of the field and introduce them to the different areas of the industry. At least 6 hours will be advanced (300 or 400 level course), meeting the requirement for all minors. The elective courses will allow students to gain expertise in a particular area of the field, or develop a deeper knowledge base of the field and industry. Some electives may require completion of prerequisites.

Is the overview text above correct?

Yes

Statement for Programs of Study

Catalog

Minimum required course work: Students must complete 9 hours of foundational courses and 10-12 hours from approved electives, including at least six hours of advanced (300-level or 400-level courses) and six hours of coursework must be distinct from credit earned for the student's major or another minor.
Minimum hours required for completion: 19 hours.

Foundational Courses		**9**
RST 100	Recreation, Sport, and Tourism in Modern Society	3
RST 210	Management in Recreation, Sport and Tourism	3
One of the following:		3
RST 120	Parks, Recreation, and Environments	
RST 130	Foundations of Sport Mgt	
RST 150	Foundations of Tourism	
RST Electives		**4 to 6**
RST 120	Parks, Recreation, and Environments (if not taken to satisfy the Foundational Coursework requirement)	
RST 130	Foundations of Sport Mgt (if not taken to satisfy the Foundational Coursework requirement)	
RST 150	Foundations of Tourism (if not taken to satisfy the Foundational Coursework requirement)	
RST 180	Professional Applications	
RST 185	Professional Field Experiences	
RST 200	Leadership in Recreation, Sport and Tourism	
RST 204	Issues in Sport & Higher Education	
RST 205	Issues in Intercollegiate Athletics: The Big Ten Conference	
RST 216	Technology in Recreation, Sport and Tourism	
RST 226	Esports Foundations	
RST 230	Diversity in Recreation, Sport, and Tourism	
RST 238	Professional Sports: Front Office Management	
RST 240	Financial Resource Management in Recreation, Sport and Tourism	
RST 242	Nature and American Culture	

RST 255	Ethical Issues in Recreation, Sport and Tourism	
RST 260	Disability in Recreation, Sport and Tourism	
RST 290	Experiencing Agritourism	
Six (6) hours from the following:		**6**
RST 301	Sport Brand Management	
RST 316	Human Development and Recreation, Sport and Tourism	
RST 317	Designing Parks and Recreation Experiences	
RST 325	Marketing in Recreation, Sport and Tourism	
RST 335	Leisure and Consumer Culture	
RST 340	Facility Management in Recreation, Sport and Tourism	
RST 350	Tourism and Culture	
RST 354	Legal Aspects of Sport	
RST 360	Communication in Recreation, Sport & Tourism	
RST 370	Research Methods & Analysis	
RST 407	Sport Analytics: Data-Driven Decision Making	
RST 440	HR Management in RST	
Total Hours:		**19**

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.

Are the learning outcomes for the program listed in the Academic Catalog?

Yes

Student Learning Outcomes

The learning objectives for RST Minors include the following:

1. Demonstrate a basic understanding of the history and theoretical underpinnings of recreation, sport and tourism in modern society.
2. Demonstrate a basic understanding of the essential management functions necessary to deliver and manage services in recreation, sport and tourism organizations.
3. Demonstrate an ability to apply knowledge of basic management principles to professional practice.

These learning objectives will be met for all minors as these are concepts covered in the three required courses.

Each RST course collects direct and/or indirect evidence every year to ensure learning objectives are being met, and then the assessment results are used to improve student learning.

Did you make any revisions to the learning outcomes you copied and pasted from the current academic catalog?

No

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

Describe here:

Learning objective #1 is largely taught in RST 100 (already required for all minors) and is assessed through course papers and a final exam. These foundational concepts are built upon in the selected foundations course (RT 120, 130, or 150) and other higher level courses.

Learning objective #2 is largely taught in RST 210 (already required for all minors) and assessed through regular in-class application activities and mid-term/final exams. These foundational concepts are built upon in the selected foundations course (RT 120, 130, or 150) and other higher level courses.

Learning objective #3 is taught in RST 210 and assessed through a course project and mid-term/ final exams. It is also largely assessed in the 300 and 400 level selected courses (already required for all minors), each of which has a course project and/or exam that assesses ability to apply knowledge of basic management principles in professional practice.

None of these will change from the previously-approved program based on the current proposal.

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.

These expectations depend on the courses selected by students, None of these will change from the previously-approved program based on the current proposal.

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

This process is already included in our annual learning outcomes assessment process. None of these will change from the previously-approved program based on the current proposal.

Program Description and Requirements

Attach Documents

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.

The RST Department will allow rolling enrollment for the minor each academic year. Students will submit the following: 1) an application including their intent to minor, 2) a minor completion plan, and 3) any additional information they would like to be considered. Initially, the minor will be open to all undergraduates. If the minor develops in popularity beyond the department's ability to administer it effectively, the department will implement additional requirements (e.g., minimum GPA). RST has an undergraduate advisor who will work with the Director of Undergraduate Studies in guiding students in the minor.

Are there any prerequisites for the proposed minor?

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.

It is unlikely this proposed revision will impact enrollment. It is only intended to provide a wider list of elective course options to existing minors.

Budget

Are there

No

budgetary implications for this revision?

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?

There are no foreseen budgetary implications to the proposed minor that will require additional financial support. The number of faculty in RST is sufficient to handle the anticipated demand for the minor. Also, the required courses are not currently at capacity and can handle more students without the need for additional financial resources. Thus, no resources are needed to develop new courses or add sections to existing courses. It is anticipated that approximately 30 students will enroll in the minor when it is at full capacity. Current resources including classrooms and faculty are adequate to accommodate the additional students.

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

No

Attach letters of support

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 proposal team consulted with JJ Pionke and, based upon their input, determined that the Library’s resources, collections, and services are sufficient to meet the needs of the program outlined in this proposal.

EP Documentation

EP Control Number EP.26.069

Attach Rollback/
Approval Notices

Non-EP Documentation

U Program Review
Comments

Rollback
Documentation and
Attachment

DMI Documentation

Attach Final
Approval Notices

Banner/Codebook
Name
Recreation, Sport and Tourism

Program Code: 4043

Minor Code	Conc Code	Degree Code	Major Code
4043			

Senate Approval
Date

Senate Conference
Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

DOE Approval Date NA

Effective Date:

Program Reviewer
Comments

Key: 964

Program Change Request

EP 26.069
Admin Approval_Section1_#B2

Date Submitted: 09/30/25 9:11 am

Viewing: 0438 : Integrative Biology Minor, UG ~~Minor~~

Last edit: 11/20/25 10:13 am

Changes proposed by: Allison O'Dwyer

Catalog Pages Using this Program: Integrative Biology Minor

Proposal Type:
Minor (ex. European Union Studies)

This proposal is for a:
Revision

In Workflow

1. U Program Review
2. 1383-IB Head
3. SIB Head
4. KV Dean
5. University Librarian
6. COTE Programs
7. Provost
8. Senate EPC
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. Catalog Editor
15. DMI

Approval Path

1. 10/01/25 4:31 pm Brianna Vargas-Gonzalez (bv4): Approved for U Program Review
2. 10/02/25 10:02 am Allison O'Dwyer (aodwyer): Approved for 1383-IB Head
3. 10/10/25 11:07 am Brian Allan (ballan): Approved for SIB Head
4. 11/11/25 12:35 pm Melissa Reedy (murray): Approved for KV Dean
5. 11/11/25 1:16 pm

Tom Teper (tteper): Approved for University Librarian

6. 11/11/25 3:42 pm Suzanne Lee (suzannel): Approved for COTE Programs
7. 11/12/25 3:24 pm Brooke Newell (bsnewell): Approved for Provost

Administration Details

Official Program Name	Integrative Biology Minor, UG ~~Minor~~
Diploma Title	
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Integrative Biology
Sponsor Name	Brian Allan
Sponsor Email	ballan@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

If additional stakeholders other than the Sponsor and College Contacts listed above should be contacted if questions during the review process arise, please list them here.

Allison O'Dwyer, aodwyer@illinois.edu
Melissa Reedy, murray@illinois.edu (LAS Assistant Director Course & Cir Dvt)

Does this program have inter-departmental administration?

No

Effective Catalog Term

Effective Catalog Term	Spring 2026
Effective Catalog	2025-2026

Proposal Title

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 Liberal Arts and Sciences, include the Graduate College for Grad Programs)

Revise the Undergraduate Minor in Integrative Biology in the College of Liberal Arts and Sciences

Does this proposal have any related proposals that will also be revised at this time and the programs depend on each other? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently and together as needed. Format your response like the following "This BS proposal (key 567) is related to the Concentration A proposal (key 145)"

This Integrative Biology Minor revision (key 373) is related to the Ecology & Conservation Biology Minor revision (key 372).

Program Justification

Provide a brief description, using a numbered item list, of the proposed changes to the program.

1. IB 201 is added to the accepted course list

2. Program of study is updated to remove the phrase "Two additional courses at the 300 or 400 level (3-4 hours, some 5 hours) selected from the IB Area Courses. The prerequisite course(s) must be taken if specified by an advanced course."

3. Program of study is updated to list all approved IB Area Courses

4. Learning outcomes are added

5. The addition of UG was made to official program name.

6. Adds a note "all prerequisite courses must be taken if specified, and students must complete 6 advanced hours of coursework that are distinct from advanced hours required for their major." to the program of study table.

Provide the reasoning for why each change was necessary, using a corresponding numbered item list as it relates to the brief description numbered list above.

1. IB 201 Organismal Genetics is newly approved and added as a genetics course option to replace the former 3 credit hour version of IB 204 Genetics. Students may now take either IB 201 (3hs) or IB 204 Genetics (4hrs).

2. These course statement and links are no longer accepted in the academic catalog.

3. For student transparency, additional advanced courses are now listed line-by-line.

4. Learning outcomes are added as they were not previously listed in the academic catalog. These are not new to the program.

5. The level of UG was added to the program name for data standards.

6. These statements have been on our linked program page for years and adding it to the program of study table along with the full course list will bring our academic catalog pages into compliance with the 6-hr minor requirement from LAS and the prerequisite statement is added as students are directed to take the prerequisite coursework to be successful in the advanced courses.

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? If Yes is selected, indicate the appropriate courses and attach the letter of support/ acknowledgement.

Yes

Courses outside of the sponsoring department/interdisciplinary departments:

CPSC 431 - Plants and Global Change

Please attach any letters of support/ acknowledgement for any Instructional Resources. Consider faculty, students, and/or other impacted units as appropriate.

SupportLetter_CPSC431_IB440.pdf

Program Features

Academic Level Undergraduate

Is this minor?

A Comprehensive study in a single discipline

Is this program part of an ISBE approved licensure 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

Does this program prepare graduates for entry into a career or profession that is regulated by the State of Illinois?

No

Program of Study

An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hour of 300- or 400- level courses. Except for clearly remedial offerings, prerequisite courses within the sponsoring unit coun towards the total; prerequisite courses outside the sponsoring 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

Revised programs

Catalog Page Text - Overview Tab

Catalog Page Overview Text

The minor, administered by the School of Integrative Biology, is designed for students intending to have a career in a field other than biology, but for whom a background in biology is nevertheless complementary, e.g. law, technology, bioinformatics, business, scientific writing, and engineering. A minor in integrative biology provides an understanding of fundamental principles for one major subdiscipline of biology, whether this be organismal and evolutionary biology; behavior, ecology and the environment; or integrative anatomy, physiology, and molecular biology.

Is the overview text above correct?

Yes

Statement for Programs of Study Catalog

Select one of the following:		**4**
IB 150	Organismal & Evolutionary Biol	
IB 103	Introduction to Plant Biology	
IB 104	Animal Biology	
Select two of the following:		**6-8**
IB 201	Organismal Genetics	
IB 202	Physiology	

IB 203	Ecology	
IB 204	Genetics	
IB 302	Evolution	
~~Two additional courses at the 300 or 400 level (3-4 hours, some 5 hours) selected from the IB Area Courses. The prerequisite course(s) must be taken if specified by an advanced course.~~		~~6-8~~
Select two of the following Area courses:		**6-8**
Area I: Organismal & Evolutionary Biology		
IB 360	Evolution and Human Health	
IB 362	Marine Biology	
IB 368	Vertebrate Natural History	
IB 401	Introduction to Entomology	
IB 407	Plant Diversity and Evolution	
IB 461	Ornithology	
IB 462	Mammalogy	
IB 463	Ichthyology	
IB 464	Herpetology	
IB 467	Principles of Systematics	
IB 468	Insect Classification and Evol	
IB 471	Fungal Diversity and Ecology	
Area II: Behavior, Ecology, & the Environment		
IB 329	Animal Behavior	
IB 361	Ecology and Human Health	
IB 405	Evolution of Traits and Genomes	
IB 430	Animal Behavior Lab	
IB 431	Behavioral Ecology	
IB 432	Genes and Behavior	
IB 439	Biogeography	
IB 440	Plants and Global Change	
IB 444	Insect Ecology	
IB 451	Conservation Biology	

IB 452	Ecosystem Ecology
IB 453	Community Ecology
IB 455	Ecotoxicology and Human Health
IB 481	Vector-borne Diseases
IB 482	Insect Pest Management
IB 494	Theoretical Biology + Models
Area III: Integrative Anatomy, Physiology, & Molecular Biology	
IB 303	Anatomy
IB 364	Genomics and Human Health
IB 411	Bioinspiration
IB 420	Plant Physiology
IB 421	Photosynthesis
IB 426	Env and Evol Physl of Animals
IB 433	Insect Physiology
IB 435	Critical Evaluation of Herbal Remedies
IB 438	How Organisms Move
IB 460	Evol of Intelligent Systems
IB 465	Methods in Molecular Genetics and Genomics
Please note: all prerequisite courses must be taken if specified, and students must complete 6 advanced hours of coursework that are distinct from advanced hours required for their major.	
Total Hours	**16**

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.

Are the learning outcomes for the program listed in the Academic Catalog?

No

Student Learning Outcomes

1. Synthesize and apply core knowledge in Integrative Biology, including anatomy, development, ecology, evolution, genetics, molecular biology, physiology, and/or systematics.
2. Apply predictive models to biological phenomena and engage with the process of scientific inquiry.
3. Critically evaluate and communicate complex, dynamic scientific information.
4. Employ curiosity, inquiry, quantitative reasoning, and critical thinking in problem solving.
5. Create solutions for global and local biological challenges using interdisciplinary strategies.
6. Develop professional skills including ethics, proficiency in oral and written scientific communication, data analysis and interpretation, collaboration, and the ability to critically evaluate science-related news and information.

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

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.

IB advisors meet with students interested in beginning the minor and plan the completion of coursework. Students are then encouraged to complete the minor declaration form. As there is space available in all courses, enrollment in the minor is not limited. Any coursework restricted to IB majors only is also allowed for IB minors.

Are there any prerequisites for the proposed minor?

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.

This revision is not planned to impact current enrollment or degrees awarded.

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

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

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 proposal team consulted with Biosciences Librarian, Kelli Trei and, based upon their input, determined that the Library's resources, collections, and services include coverage of the subjects in the updated Integrative Biology program including added or revised courses and are sufficient to meet the needs of the program outlined in this proposal.

EP Documentation

EP Control Number EP.26.069

Attach Rollback/ Approval Notices

Non-EP Documentation

U Program Review Comments

Rollback Documentation and Attachment

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name

Integrative Biology

Program Code: 0438

Minor Code	Conc Code	Degree Code	Major Code
0438			

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date	
HLC Approval Date	
DOE Approval Date	
Effective Date:	

Program Reviewer Comments	**Brooke Newell (bsnewell) (11/14/25 12:25 pm):** Per discussion with Sponsors (department and college), updated justification and POS table.

Key: 373

Program Change Request

EP.26.069
Admin Approval_Section1_#B3

Date Submitted: 09/30/25 9:15 am

Viewing: 5291 : Ecology & Conservation Biology

Minor, UG ~~Minor~~

Last approved: 11/15/23 4:51 pm

Last edit: 11/20/25 11:38 am

Changes proposed by: Allison O'Dwyer

Catalog Pages Using this Program	Ecology & Conservation Biology Minor

Proposal Type:
Minor (ex. European Union Studies)

This proposal is for a:
Revision

In Workflow

1. U Program Review
2. 1383-IB Head
3. SIB Head
4. KV Dean
5. University Librarian
6. COTE Programs
7. Provost
8. Senate EPC
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. Catalog Editor
15. DMI

Approval Path

1. 10/01/25 4:32 pm Brianna Vargas-Gonzalez (bv4): Approved for U Program Review
2. 10/02/25 10:02 am Allison O'Dwyer (aodwyer): Approved for 1383-IB Head
3. 10/10/25 11:07 am Brian Allan (ballan): Approved for SIB Head
4. 11/11/25 12:35 pm Melissa Reedy (murray): Approved for KV Dean
5. 11/11/25 1:16 pm

Tom Teper (tteper): Approved for University Librarian
6. 11/11/25 3:43 pm Suzanne Lee (suzannel): Approved for COTE Programs
7. 11/12/25 3:24 pm Brooke Newell (bsnewell): Approved for Provost

History

1. Aug 26, 2019 by Amy Elli (amyelli)
2. Nov 15, 2023 by Kathy Martensen (kmartens)

Administration Details

Official Program Name	Ecology & Conservation Biology Minor, UG ~~Minor~~
Diploma Title	
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Integrative Biology
Sponsor Name	Brian Allan ~~admin save~~
Sponsor Email	ballan@illinois.edu ~~admin save~~
College Contact	Stephen R. Downie ~~Amy Elli~~
College Contact Email	sdownie@illinois.edu ~~admin save~~
College Budget Officer	Michael Wellens
College Budget	wellens@illinois.edu

Officer Email

If additional stakeholders other than the Sponsor and College Contacts listed above should be contacted if questions during the review process arise, please list them here.

Melissa Reedy, murray@illinois.edu (LAS Assistant Director Course & Cir Dvt)

Does this program have inter-departmental administration?

No

Effective Catalog Term

Effective Catalog Term	Spring 2026
Effective Catalog	2025-2026

Proposal Title

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 Liberal Arts and Sciences, include the Graduate College for Grad Programs)

Revise the Undergraduate Minor in Ecology & Conservation Biology in the College of Liberal Arts and Sciences

Does this proposal have any related proposals that will also be revised at this time and the programs depend on each other? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently and together as needed. Format your response like the following "This BS proposal (key 567) is related to the Concentration A proposal (key 145)"

This Ecology & Conservation Biology Minor revision (key 372) is related to the Integrative Biology Minor revision (key 373).

Program Justification

Provide a brief description, using a numbered item list, of the proposed changes to the program.

1. Two new courses are added to the course list

2. Learning outcomes are added

3. The addition of UG was made to official program name.

4. Adds a note "all prerequisite courses must be taken if specified, and students must complete 6 advanced hours of coursework that are distinct from advanced hours required for their major." to the program of study table.

Provide the reasoning for why each change was necessary, using a corresponding numbered item list as it relates to the brief description numbered list above.

1. IB 201 Organismal Genetics is newly approved and added as a genetics course option to replace the former 3 credit hour version of IB 204 Genetics. Students may now take either IB 201 (3hs) or IB 204 Genetics (4hrs). IB 455 Ecotoxicology and Human Health is also newly approved with content related to the minor's learning outcomes.

2. Learning outcomes are added as they were not previously listed in the academic catalog. These are not new to the program.

3. The level of UG was added to the program name for data standards.

4. These statements have been on our linked program page for years and adding it to the program of study table along with the full course list will bring our academic catalog pages into compliance with the 6-hr minor requirement from LAS and the prerequisite statement is added as students are directed to take the prerequisite coursework to be successful in the advanced courses.

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? If Yes is selected, indicate the appropriate courses and attach the letter of support/ acknowledgement.

No

Program Features

Academic Level Undergraduate

Is this minor?

A Comprehensive study in a single discipline

Is this program part of an ISBE approved licensure 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

Does this program prepare graduates for entry into a career or profession that is regulated by the State of Illinois?

No

Program of Study

An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hour of 300- or 400- level courses. Except for clearly remedial offerings, prerequisite courses within the sponsoring unit coun towards the total; prerequisite courses outside the sponsoring 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

Revised programs Side by Side_Eco and Cons Minor.xlsx

Catalog Page Text - Overview Tab

Catalog Page Overview Text

A minor in Ecology and Conservation Biology points students toward getting strength in this sub-discipline of biology. Preparation for many careers is advanced by coursework in ecology and conservation, e.g. environmental lawyer, environmental consultant, conservation technician, and environmental educator.

Is the overview text above correct?

Yes

Statement for Programs of Study Catalog

IB 150	Organismal & Evolutionary Biol	4
IB 203	Ecology	4
IB 204	Genetics	3-4
or IB 201	Organismal Genetics	
Select two of the following:		6-8
NRES/IB 348	Fish and Wildlife Ecology	
IB 362	Marine Biology	
IB 431	Behavioral Ecology	
CPSC 431/IB 440	Plants and Global Change	
IB 444	Insect Ecology	
IB 451	Conservation Biology	
IB 452	Ecosystem Ecology	
IB 453	Community Ecology	
IB 455	Ecotoxicology and Human Health	
Please note: all prerequisite courses must be taken if specified, and students must complete 6 advanced hours of coursework that are distinct from advanced hours required for their major.		
Total Hours		**17**

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.

Are the learning outcomes for the program listed in the Academic Catalog?

No

Student Learning Outcomes

1. Synthesize and apply core knowledge in Integrative Biology, including anatomy, development, ecology, evolution, genetics, molecular biology, physiology, and/or systematics.
2. Apply predictive models to biological phenomena and engage with the process of scientific inquiry.
3. Critically evaluate and communicate complex, dynamic scientific information.
4. Employ curiosity, inquiry, quantitative reasoning, and critical thinking in problem solving.
5. Create solutions for global and local biological challenges using interdisciplinary strategies.
6. Develop professional skills including ethics, proficiency in oral and written scientific communication, data analysis and interpretation, collaboration, and the ability to critically evaluate science-related news and information.

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

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.

IB advisors meet with students interested in beginning the minor and plan the completion of coursework. Students are then encouraged to complete the minor declaration form. As there is space available in all courses, enrollment in the minor is not limited. Any coursework restricted to IB majors only is also allowed to IB minors. ~~administrative update for red box errors~~

Are there any prerequisites for the proposed minor?

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.

This revision is not planned to impact current enrollment or degrees awarded.

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

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

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 proposal team consulted with Biosciences Librarian, Kelli Trei and, based upon their input, determined that the Library's resources, collections, and services include coverage of the subjects in the updated Integrative Biology program including added or revised courses and are sufficient to meet the needs of the program outlined in this proposal.

EP Documentation

EP Control Number EP.26.069

Attach Rollback/ Approval Notices

Non-EP Documentation

U Program Review Comments

Rollback Documentation and Attachment

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name

Ecology and Conservation Biology

Program Code: 5291

Minor Code	Conc Code	Degree Code	Major Code
5291			

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date	
HLC Approval Date	
DOE Approval Date	
Effective Date:	

Program Reviewer Comments	**Brooke Newell (bsnewell) (11/12/25 10:43 am):** Edits made per conversation with Melissa R. **Brooke Newell (bsnewell) (11/14/25 12:25 pm):** Per discussion with Sponsors (department and college), updated justification and POS table.

Key: 372

Program Change Request

Date Submitted: 09/29/25 1:05 pm

Viewing: 10KV0438BSLA : Integrative Biology, BSLAS

Last approved: 09/30/24 2:50 pm

Last edit: 11/20/25 11:43 am

Changes proposed by: Allison O'Dwyer

Catalog Pages Using this Program: Integrative Biology, BSLAS

Proposal Type:
Major (ex. Special Education)

This proposal is for a:
Revision

In Workflow

1. U Program Review
2. Gen Ed Review
3. 1383-IB Head
4. SIB Head
5. KV Dean
6. University Librarian
7. COTE Programs
8. Provost
9. Senate EPC
10. Senate
11. U Senate Conf
12. Board of Trustees
13. IBHE
14. HLC
15. Catalog Editor
16. DMI

Approval Path

1. 10/01/25 4:29 pm Brianna Vargas-Gonzalez (bv4): Approved for U Program Review
2. 10/03/25 8:53 am Melissa Steinkoenig (menewell): Approved for Gen Ed Review
3. 10/03/25 12:26 pm Allison O'Dwyer (aodwyer): Approved for 1383-IB Head
4. 10/10/25 11:07 am Brian Allan (ballan): Approved for SIB

Head
5. 11/11/25 2:07 pm Melissa Reedy (murray): Approved for KV Dean
6. 11/11/25 3:18 pm Tom Teper (tteper): Approved for University Librarian
7. 11/11/25 3:43 pm Suzanne Lee (suzannel): Approved for COTE Programs
8. 11/12/25 3:24 pm Brooke Newell (bsnewell): Approved for Provost

History

1. Apr 29, 2019 by Deb Forgacs (dforgacs)
2. Jan 16, 2020 by Deb Forgacs (dforgacs)
3. Jun 23, 2022 by Deb Forgacs (dforgacs)
4. Sep 26, 2022 by Andrea Ray (aray)
5. May 23, 2023 by Allison O'Dwyer (aodwyer)
6. Sep 30, 2024 by Allison O'Dwyer (aodwyer)

Administration Details

Official Program Name	Integrative Biology, BSLAS

Diploma Title	Bachelor of Science in Liberal Arts and Sciences
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Integrative Biology
Sponsor Name	Brian Allan, Associate Director for Academic Affairs, School of Integrative Biology
Sponsor Email	ballan@illinois.edu
College Contact	Stephen R Downie, Associate Dean for Curr & Academic Policy, LAS
College Contact Email	sdownie@illinois.edu
College Budget Officer	Michael Wellens
College Budget Officer Email	wellens@illinois.edu

If additional stakeholders other than the Sponsor and College Contacts listed above should be contacted if questions during the review process arise, please list them here.

Allison O'Dwyer, Assistant Director for Academic Affairs, School of Integrative Biology, aodwyer@illinois.edu
Melissa Reedy, murray@illinois.edu (LAS Assistant Director Course & Cir Dvt)

Does this program have inter-departmental administration?

No

Effective Catalog Term

Effective Catalog Term	Spring 2026
Effective Catalog	2025-2026

Proposal Title

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 Liberal Arts and Sciences, include the Graduate College for Grad Programs)

Revise the Bachelor of Science in Liberal Arts and Sciences in Integrative Biology in the College of Liberal Arts and Sciences

Does this proposal have any related proposals that will also be revised at this time and the programs depend on each other? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently and together as needed. Format your response like the following "This BS proposal (key 567) is related to the Concentration A proposal (key 145)"

The following keys undergoing revision are related:
723: Integrative Biology, BSLAS
724: Integrative Biology: Honors Integrative Biology, BSLAS
1159: JP: Integrative Biology BSLAS & MS
996: Integrative Biology, MS

Program Justification

Provide a brief description, using a numbered item list, of the proposed changes to the program.

1. Added two newly approved courses.

2. Moved one course to a new section of the program of study table.

3. Removed two deactivated courses.

4. Removed IB 480 (ME 475)

5. Minor updates were made to wording in program of study about IB 204 Genetics.

6. Added a maximum of 2 hours of IB 490 Independent Study to the list of choices for advanced IB credit.

7. Updated the Distinction GPA.

Did the program content change 25% or more in relation to the total credit hours, since the most recent university accreditation visit? See the italicized text below for more details.

No

Provide the reasoning for why each change was necessary, using a corresponding numbered item list as it relates to the brief description numbered list above.

1. New courses added to the program of study include:
a. IB 455 Ecotoxicology and Human Health: added to the list of approved advanced IB courses for Area II: Behavior, Ecology, and Environment Advanced IB Courses
b. IB 454 Science Writing & Presentation: added to the list titled "Remaining courses to total 15 hours minimum may be selected from any of the area courses listed above or from the following list"

2. IB 467 Principles of Systematics is removed from the section titled "Remaining courses to total 15 hours minimum may be selected from any of the area courses listed above or from the following list". IB 467 is moved instead to the Area I: Organismal & Evolutionary Biology list. This is becuase the course is now taught longterm by IB faculty, is a lab course, and best fits with Area I curriculum.

3. IB 450 Stream Ecology and IB 491 Biological Modeling were deactivated in FA25.

4. This course has not been offered recently and faculty are no longer teaching it.

5. This sentence was deleted as additional information about IB 204 Genetics: "IB majors are required to enroll in the 4-hour version of IB 204." This is because we no longer offer a 3-credit-hour version of the course, it is only for 4 credit hours now. IB 201 Organismal Genetics was newly created to serve as a non-majors, 3-hour version of Genetics in place of the 3-hour version of IB 204.

6. IB 490 Independent Study is an advanced course with laboratory and/or field research supervised by faculty members in the School of Integrative Biology. A written report is required. As such, the SIB Courses and Curricula, along with the SIB Executive Committee, have recently approved up to 2 hours of IB 490 to count towards the advanced IB course requirement. IB 490 is added to the section titled "Remaining courses to total 15 hours minimum may be selected from any of the area courses listed above or from the following list.”

7. In the program overview, the requirements for graduation with distinction in research are updated as follows. There are three levels of graduation with distinciton in IB: Distinction, High Distinction, and Highest Distinction. Instead of a 3.25 GPA in the major requirement for all levels, students now only need a 3.25 in the major for the levels of High and Highest distinction. Students will now be considered for Distinction if they have a 3.0 GPA in the major or higher.

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? If Yes is selected, indicate the appropriate courses and attach the letter of support/ acknowledgement.

Yes

Courses outside of the sponsoring department/interdisciplinary departments:

ME 475 - Bioinspired Design

Please attach any letters of support/ acknowledgement for any Instructional Resources. Consider faculty, students, and/or other impacted units as appropriate.

AcknowLetter_ME475.pdf

Program Features

Academic Level: Undergraduate

Does this major have transcripted concentrations: Yes

Concentrations

Concentrations(s)
Integrative Biology: Honors Integrative Biology, BSLAS

Will you admit to the concentration directly: No

Is a concentration required for: No

graduation?

What is the longest/maximum time to completion of this program?

4 years

What are the minimum Total Credit Hours required for this program?

120 hours

CIP Code 269999 - Biological and Biomedical Sciences, Other.

Is this program part of an ISBE approved licensure program?

Yes

Will specialized accreditation be sought for this program?

No

Does this program prepare graduates for entry into a career or profession that is regulated by the State of Illinois?

No

Program of Study

Provide detailed information (course rubrics, numbers, and credit hours) of how a student could obtain 40 credit hours of upper-division coursework.

40-hours advanced credit requirement met as follows:

4 credit-hours: IB 202 (prereq IB 150, MCB 150)
4 credit-hours: IB 203 (prereq IB 150, MCB 150)
4 credit-hours: IB 204 (prereq IB 150, MCB 150)
4 credit-hours: IB 302
6 credit-hours: CHEM 232/233 (pre-req CHEM 104/105)
15 credit-hours: Adv IB courses
3 credit-hours: Adv Campus Elective

IB Honors Concentration 40-hours advanced credit requirement met as follows:

5 hrs IB 270 (prereq IB 150, MCB 150)
5 hrs IB 271 (prereq IB 150, MCB 150)
5 hrs IB 372
6 hrs CHEM 232/3 (prereq CHEM 104 and CHEM 105) or CHEM 236/7 (prereq CHEM 104 & CHEM 102 OR CHEM 204 & CHEM 202 OR CHEM 222 & CHEM 223)
3 hrs MCB 450
3 hrs 300- or 400-level STAT
6 hrs IB 490
10 hrs 300- or 400-level Biological Sciences Electives

Revised programs IB BSLAS Sample Sequence Key 723.docx

Catalog Page Text - Overview Tab

Catalog Page Overview Text

In the School of Integrative Biology (SIB), students receive interdisciplinary training to prepare them for 21st-century scientific roles. We occupy a unique position on campus. Our majors explore how scales of life interact, from molecules through global cycles, to solve grand challenges such as addressing global change, improving human health, mitigating biodiversity loss, and contributing to ecosystem restoration and sustainable food and biofuel production. The SIB community collaborates extensively on both research and teaching, leading to multi-disciplinary courses grounded in active learning and highly transferable, higher-order processing skills such as application, interpretation, and evaluation. Students build laboratory skills spanning from tall grass prairie restoration to modern genome-editing techniques. The IB curriculum includes preparation in genomics and evolution; comparative anatomy, physiology, and development; ecology and behavior; phylogenetic systematics and molecular biology; and mathematical modeling and informatics. Graduates are well-equipped for a broad range of careers in fields including healthcare, biotechnology, genetic counseling, wildlife management, and environmental sciences.

For students interested in the 5-year, combined BSLAS & MS in Integrative Biology program visit the Integrative Biology, BSLAS-MS catalog page.

For students interested in adding educational licensure to the BSLAS in Integrative Biology, visit the Teacher Education Minor in Secondary School Teaching catalog page.

Students pursuing a degree in Integrative Biology will not be allowed to double major in Molecular and Cellular Biology.

Distinction for Excellence in Research

Students are eligible for graduation at the following levels: Distinction, High Distinction, or Highest Distinction. Distinction will be determined by the SIB Distinction Committee and the level of Distinction will be based on the information below. To be eligible for graduation with Distinction for Excellence in Research a student must:

-Be enrolled as an Integrative Biology or Integrative Biology Honors major
-Have a completed distinction evaluation form submitted by their Faculty Research Advisor
-To be eligible for Distinction, students must maintain ~~-Maintain~~ a minimum 3.0 ~~3.25~~ GPA within the major at the end of the penultimate semester. ~~semester -To be eligible for Distinction, students must give a poster presentation at the SIB Distinction Symposium or other approved venue -To be eligible for High or Highest Distinction, students must submit a written thesis and give an oral presentation at the SIB Distinction Symposium or other approved venue -Finally, all students regardless of Distinction level must either:~~ Students must also give a poster presentation at the SIB Distinction Symposium or other approved venue.
-To be eligible for High or Highest Distinction, students must maintain a minimum 3.25 GPA within the major at the end of the penultimate semester. Students must also submit a written

thesis and give an oral presentation at the SIB Distinction Symposium or other approved venue.
-Finally, all students regardless of Distinction level must either:

1. Complete two or more semesters of IB 390/IB 490 for 2-credit hours or more each semester. The student should enroll in IB 490 the semester they intend to graduate, which counts towards the two required semesters.

OR

2. Complete at least 180 hours of mentored research. The research experience must last a minimum of 20 weeks (the weeks need not be consecutive and summer research counts toward this total) and students should enroll in one semester of IB 490 for a minimum of 1-credit hour prior to or during the semester they intend to graduate. Example: a student could be eligible if they complete a 10-week summer research experience combined with enrolling in IB 490 the following spring semester, the same term they intend to graduate.

Is the overview text above correct?

Yes

Statement for Programs of Study Catalog

Graduation Requirements

Minimum hours required for graduation: 120 hours.

Minimum required major and supporting course work: Normally equates to to 66-75 hours.

University Requirements

Minimum of 40 hours of upper-division coursework, generally at the 300- or 400-level. These hours can be drawn from all elements of the degree. Students should consult their academic advisor for additional guidance in fulfilling this requirement.

The university and residency requirements can be found in the Student Code (§ 3-801) and in the Academic Catalog.

General Education Requirements

Follows the campus General Education (Gen Ed) requirements. Some Gen Ed requirements may be met by courses required and/or electives in the program.

Composition I	4-6
Advanced Composition	3
fulfilled by IB 203	
Humanities & the Arts (6 hours)	6
Natural Sciences & Technology (6 hours)	6

fulfilled by CHEM 102 and CHEM 104, or CHEM 202 and CHEM 204; PHYS 101 and PHYS 102, or PHYS 211 and PHYS 212; IB 150, MCB 150		
Social & Behavioral Sciences (6 hours)		6
Cultural Studies: Non-Western Cultures (1 course)		3
Cultural Studies: US Minority Cultures (1 course)		3
Cultural Studies: Western/Comparative Cultures (1 course)		3
Quantitative Reasoning (2 courses, at least one course must be Quantitative Reasoning I)		6-10
fulfilled by MATH 220 or MATH 221; STAT 212; PHYS 101 and PHYS 102, or PHYS 211 and PHYS 212		
Language Requirement (Completion of the fourth semester or equivalent of a language other than English is required)		0-20
Orientation and Professional Development		
LAS 101	Design Your First Year Experience	1
OR		
LAS 100 & LAS 101	Success in LAS for International Students and Design Your First Year Experience	3
OR		
LAS 102	Transfer Advantage	1
Total Hours		**1 or 3**
Major Core Requirements and Electives		
IB 150	Organismal & Evolutionary Biol	4
MCB 150	Molecular & Cellular Basis of Life	4
MATH 220	Calculus (sections that start with 'X' are strongly recommended)	4-5
or MATH 221	Calculus I	
Select one group of courses:		8-10
CHEM 102	General Chemistry I	
CHEM 103	General Chemistry Lab I	
CHEM 104	General Chemistry II	
CHEM 105	General Chemistry Lab II	
or		
CHEM 202	Accelerated Chemistry I	

CHEM 203	Accelerated Chemistry Lab I	
CHEM 204	Accelerated Chemistry II	
CHEM 205	Accelerated Chemistry Lab II	
Select one group of courses:		5-6
CHEM 232 & CHEM 233	Elementary Organic Chemistry I and Elementary Organic Chem Lab I	
CHEM 236 & CHEM 237	Fundamental Organic Chem I and Structure and Synthesis	
Select one group of courses:		8-10
PHYS 101 & PHYS 102	College Physics: Mech & Heat and College Physics: E&M & Modern	
PHYS 211 & PHYS 212	University Physics: Mechanics and University Physics: Elec & Mag	
Note: An optional IB Honors concentration may be elected, please talk to an advisor. Students who do not elect an optional concentration are required to take the IB major coursework below.		
STAT 212	Biostatistics	3
IB 202	Physiology (IB 202 requires animal dissection and no equivalent alternative is available. IB majors are required to enroll in the 4-hour version of this course.)	4
IB 203	Ecology	4
IB 204	Genetics	4
IB 302	Evolution	4
Advanced Free Elective (300- or 400-level course from IB or any other unit on campus)		3
Integrative Biology Advanced Area Courses		15-20
At least two courses from the following areas. At least one course must be a lab and the courses must be in different areas.		
Area I: Organismal and Evolutionary Biology		
IB 360	Evolution and Human Health	
IB 362	Marine Biology	
IB 368	Vertebrate Natural History (lab)	
IB 401	Introduction to Entomology (lab)	
IB 407	Plant Diversity and Evolution (lab)	
IB 461	Ornithology (lab)	

IB 462	Mammalogy (lab)
IB 463	Ichthyology (lab)
IB 464	Herpetology (lab)
IB 467	Principles of Systematics (lab)
IB 468	Insect Classification and Evol (lab)
IB 471	Fungal Diversity and Ecology (lab)
Area II: Behavior, Ecology, and the Environment	
IB 329	Animal Behavior
IB 361	Ecology and Human Health
IB 405	Evolution of Traits and Genomes
IB 430	Animal Behavior Lab (lab)
IB 431	Behavioral Ecology
IB 432	Genes and Behavior
IB 439	Biogeography
IB 440	Plants and Global Change
IB 444	Insect Ecology (lab)
IB 451	Conservation Biology (lab)
IB 452	Ecosystem Ecology
IB 453	Community Ecology
IB 455	Ecotoxicology and Human Health
IB 481	Vector-borne Diseases (lab)
IB 482	Insect Pest Management (lab)
IB 494	Theoretical Biology + Models (lab)
Area III: Integrative Anatomy, Physiology, and Molecular Biology	
IB 303	Anatomy (lab)
IB 364	Genomics and Human Health
IB 411	Bioinspiration
IB 420	Plant Physiology
IB 421	Photosynthesis

IB 426	Env and Evol Physl of Animals
IB 433	Insect Physiology
IB 435	Critical Evaluation of Herbal Remedies
IB 438	How Organisms Move (lab)
IB 460	Evol of Intelligent Systems (lab)
IB 465	Methods in Molecular Genetics and Genomics
Remaining courses to total 15 hours minimum may be selected from any of the area courses listed above or from the following list:	
IB 348	Fish and Wildlife Ecology
IB 392	Translating Your IB Degree Into Career Success
IB 416	Population Genetics
IB 436	Evolutionary Neuroscience
IB 442	Evolution of Infectious Disease
~~IB 450~~	~~Course IB 450 Not Found~~
IB 454	Science Writing & Presentation
IB 476	Environmental Remote Sensing
IB 478	Advanced Plant Genetics
IB 479	Plant Growth and Development
~~IB 480~~	~~Bioinspired Design~~
IB 484	Paleoclimatology
~~IB 491~~	~~Biological Modeling~~
IB 490	Independent Study (up to 2 hours may count toward this requirement)
IB 496	Special Courses
IB 497	Science Communication
IB 499	Discussions in Integrative Biology
MCB 300	Microbiology
MCB 314	Introduction to Neurobiology
MCB 450	Introductory Biochemistry

Corresponding	BSLAS Bachelor of Science in Liberal Arts and

Degree	Sciences

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.

Are the learning outcomes for the program listed in the Academic Catalog?

Yes

Student Learning Outcomes

By the time they graduate, an Integrative Biology major should be able to:

1. Synthesize and apply core knowledge in Integrative Biology, including anatomy, development, ecology, evolution, genetics, molecular biology, physiology, and/or systematics.
2. Apply predictive models to biological phenomena and engage with the process of scientific inquiry.
3. Critically evaluate and communicate complex, dynamic scientific information.
4. Employ curiosity, inquiry, quantitative reasoning, and critical thinking in problem solving.
5. Create solutions for global and local biological challenges using interdisciplinary strategies.
6. Develop professional skills including ethics, proficiency in oral and written scientific communication, data analysis and interpretation, collaboration, and the ability to critically evaluate science-related news and information.

Did you make any revisions to the learning outcomes you copied and pasted from the current academic catalog?

No

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

Delivery Method

This program is available:

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

Admission Requirements

Desired Effective Admissions Term: Spring 2026

Is this revision a change to the admission status of the program?

No

Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

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.

No impacts on enrollment or degrees awarded are expected.

Estimated Annual Number of Degrees Awarded

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

What is the matriculation term for this program?

Fall

Budget

Are there

No

budgetary implications for this revision?

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?

No financial resources are to be impacted.

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

No

Attach letters of support

What tuition rate do you expect to charge for this program? e.g, Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary)

Chem Life Differential

Are you seeking a change in the tuition rate or differential for this program?

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 on faculty resources is expected.

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 proposal team consulted with Biosciences Librarian, Kelli Trei and, based upon their input, determined that the Library's resources, collections, and services include coverage of the subjects in the updated Integrative Biology program including added or revised courses and are sufficient to meet the needs of the program outlined in this proposal.

EP Documentation

EP Control Number EP.26.069

Attach Rollback/ Approval Notices

Non-EP Documentation

U Program Review Comments

Rollback Documentation and Attachment

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name

BSLAS:Integrative Biolgy -UIUC

Program Code: 10KV0438BSLA

Minor Code	Conc Code	Degree Code	BSLAS Major Code
0438			

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

DOE Approval Date NA

Effective Date:

Program Reviewer Comments

Key: 723

Program Change Request

EP.26.069
Admin Approval_Section1_#B5

Date Submitted: 09/29/25 1:05 pm

Viewing: 10KV5028BSLA : Integrative Biology: Honors Integrative Biology, BSLAS

Last approved: 08/01/25 11:48 am

Last edit: 11/20/25 11:47 am

Changes proposed by: Allison O'Dwyer

Catalog Pages Using this Program	Integrative Biology: Honors Integrative Biology, BSLAS

Proposal Type:
Concentration (ex. Dietetics)

This proposal is for a:
Revision

In Workflow

1. **U Program Review**
2. **1383-IB Head**
3. **SIB Head**
4. **KV Dean**
5. **University Librarian**
6. **COTE Programs**
7. **Provost**
8. **Senate EPC**
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. Catalog Editor
15. DMI

Approval Path

1. 10/01/25 4:30 pm Brianna Vargas-Gonzalez (bv4): Approved for U Program Review
2. 10/03/25 8:55 am Melissa Steinkoenig (menewell): Approved for Gen Ed Review
3. 10/03/25 2:44 pm Gretchen Pein Baloun (pein): Approved for 1670-L_A_S Head
4. 10/07/25 7:07 am Emily Stuby (eastuby): Rollback to U Program

Review for KV Dean

5. 10/07/25 7:16 am Emily Stuby (eastuby): Approved for U Program Review
6. 10/07/25 7:17 am Allison O'Dwyer (aodwyer): Approved for 1383-IB Head
7. 10/10/25 11:07 am Brian Allan (ballan): Approved for SIB Head
8. 11/11/25 2:08 pm Melissa Reedy (murray): Approved for KV Dean
9. 11/11/25 3:18 pm Tom Teper (tteper): Approved for University Librarian
10. 11/11/25 3:43 pm Suzanne Lee (suzannel): Approved for COTE Programs
11. 11/12/25 3:24 pm Brooke Newell (bsnewell): Approved for Provost

History

1. Apr 29, 2019 by Deb Forgacs (dforgacs)
2. Feb 24, 2023 by Brooke Newell (bsnewell)
3. Feb 2, 2024 by

Allison O'Dwyer (aodwyer)
4. Sep 30, 2024 by Allison O'Dwyer (aodwyer)
5. Aug 1, 2025 by Brianna Vargas-Gonzalez (bv4)
6. Aug 1, 2025 by Brianna Vargas-Gonzalez (bv4)

Administration Details

Official Program Name	Integrative Biology: Honors Integrative Biology, BSLAS
Diploma Title	Bachelor of Science in Liberal Arts and Sciences
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Integrative Biology ~~Liberal Arts and Sciences~~
Sponsor Name	Brian Allan, Associate Director for Academic Affairs, School of Integrative Biology
Sponsor Email	ballan@illinois.edu
College Contact	Stephen R. Downie, Associate Dean for Curr & Academic Policy, LAS
College Contact Email	sdownie@illinois.edu
College Budget Officer	Mike Wellens
College Budget Officer Email	wellens@illinois.edu

If additional stakeholders other than the Sponsor and College Contacts listed above should be contacted if questions during the review process arise, please list them here.

Allison O'Dwyer, Assistant Director for Academic Affairs, School of Integrative Biology, aodwyer@illinois.edu

Dr. Jim Dalling, Professor of Plant Biology and Head of IB Honors, dalling@illinois.edu

Melissa Reedy, murray@illinois.edu (LAS Assistant Director Course & Cir Dvt)

Does this program have inter-departmental administration?

No

Effective Catalog Term

Effective Catalog Term	Spring 2026
Effective Catalog	2025-2026

Proposal Title

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 Liberal Arts and Sciences, include the Graduate College for Grad Programs)

Revise the Concentration in Honors Integrative Biology in the Bachelor of Science in Liberal Arts and Sciences in Integrative Biology in the College of Liberal Arts and Sciences

Does this proposal have any related proposals that will also be revised at this time and the programs depend on each other? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently and together as needed. Format your response like the following "This BS proposal (key 567) is related to the Concentration A proposal (key 145)"

The following keys undergoing revision are related:
723: Integrative Biology, BSLAS
724: Integrative Biology: Honors Integrative Biology, BSLAS
1159: JP: Integrative Biology BSLAS & MS
996: Integrative Biology, MS

Program Justification

Provide a brief description, using a numbered item list, of the proposed changes to the program.

1. Added two newly approved courses.

2. Removed IB 450.

3. Removed IB 480 (ME 475).

4. Updated the Distinction GPA.

5. Corrected the Sponsor department to be Integrative Biology.

Did the program content change 25% or more in relation to the total credit hours, since the most recent university accreditation visit? See the italicized text below for more details.

No

Provide the reasoning for why each change was necessary, using a corresponding numbered item list as it relates to the brief description numbered list above.

1. New courses added to the program of study include:
a. IB 455 Ecotoxicology and Human Health: added to the list of approved advanced IB courses for Area II: Behavior, Ecology, and Environment Advanced IB Courses
b. IB 454 Science Writing & Presentation: added to the list titled "Remaining courses to total 15 hours minimum may be selected from any of the area courses listed above or from the following list"

2. Deactivated FA25.

3. This course has not been offered recently and faculty are no longer teaching it.

4. In the program overview, the requirements for graduation with distinction in research are updated as follows. There are three levels of graduation with distinciton in IB: Distinction, High Distinction, and Highest Distinction. Instead of a 3.25 GPA in the major requirement for all levels, students now only need a 3.25 GPA in the major for the levels of High and Highest distinction. Students will now be considered for Distinction if they have a 3.0 GPA in the major or higher.

5. Program was migrated with the incorrect sponsor department and needed to be corrected.

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? If Yes is selected, indicate the appropriate courses and attach the letter of support/ acknowledgement.

Yes

Courses outside of the sponsoring department/interdisciplinary departments:

ME 475 - Bioinspired Design

Please attach any letters of support/ acknowledgement for any Instructional Resources. Consider faculty, students, and/or other impacted units as appropriate.	AcknowLetter_ME475.pdf

Program Features

Academic Level: Undergraduate

Is this program part of an ISBE approved licensure program?

Yes

Will specialized accreditation be sought for this program?

No

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

Does this program prepare graduates for entry into a career or profession that is regulated by the State of Illinois?

No

Program of Study

Provide detailed information (course rubrics, numbers, and credit hours) of how a student could obtain 40 credit hours of upper-division coursework.

40-hours advanced credit requirement met as follows:

5 hrs IB 270 (prereq IB 150, MCB 150)
5 hrs IB 271 (prereq IB 150, MCB 150)
5 hrs IB 372
6 hrs CHEM 232/3 (prereq CHEM 104 and CHEM 105) or CHEM 236/7 (prereq CHEM 104 & CHEM 102 OR CHEM 204 & CHEM 202 OR CHEM 222 & CHEM 223)
3 hrs MCB 450
3 hrs 300- or 400-level STAT
6 hrs IB 490
10 hrs 300- or 400-level Biological Sciences Electives

Revised programs Integrative Biology_Honors Integrative Biology, BSLAS SS.docx

Catalog Page Text - Overview Tab

Catalog Page Overview Text

Honors Integrative Biology is designed for students wishing to pursue an intensive program in integrative biology and, concurrently, to gain a strong background in the physical sciences and mathematics. Admission is by interview in spring of the freshman year prior to registration for fall. An overall 3.0 GPA is required to apply for admission. Honors Integrative Biology provides preparation suitable for graduate and professional training in biology, as well as for biology careers in the private and public sectors.

Students earning the Honors Integrative Biology Concentration will also earn the Chemistry minor.

Students pursuing a degree in Honors Integrative Biology will be allowed to earn a second degree in the Specialized Curriculum in Biochemistry. Students pursuing a degree in Honors Integrative Biology will not be allowed to double major in Molecular and Cellular Biology.

Distinction for Excellence in Research:

Students are eligible for graduation at the following levels: Distinction, High Distinction, or Highest Distinction. Distinction will be determined by the SIB Distinction Committee and the level of Distinction will be based on the information below. To be eligible for graduation with Distinction for Excellence in Research a student must:

-Be enrolled as an Integrative Biology or Integrative Biology Honors Major

-Have a completed distinction evaluation form submitted by their Faculty Research Advisor.

-To be eligible for Distinction, students must maintain ~~-Maintain~~ a minimum 3.0 ~~3.25~~ GPA within the major at the end of the penultimate semester. Students ~~-To be eligible for Distinction, students~~ must also give a poster presentation at the SIB Distinction Symposium or other approved venue.

-To be eligible for High or Highest Distinction, students must maintain ~~submit~~ a minimum 3.25 GPA within the major ~~written thesis and give an oral presentation~~ at the end of the penultimate semester. ~~the SIB Distinction Symposium or other approved venue.~~ Students must also submit a written thesis and give an oral presentation at the SIB Distinction Symposium or other approved venue.

-Finally, all students regardless of Distinction level must either:

1. Complete two or more semesters of IB 390/IB 490 for 2-credit hours or more each semester. The student should enroll in IB 490 the semester they intend to graduate, which counts towards the two required semesters.

OR

2. Complete at least 180 hours of mentored research. The research experience must last a minimum of 20 weeks (the weeks need not be consecutive and summer research counts toward this total) and students should enroll in one semester of IB 490 for a minimum of 1-credit hour prior to or during the semester they intend to graduate. Example: a student could

be eligible if they complete a 10-week summer research experience combined with enrolling in IB 490 the following spring semester, the same term they intend to graduate.

Is the overview text above correct?

Yes

Statement for Programs of Study Catalog

Graduation Requirements

Minimum hours for graduation: 120 hours

Minimum required major and supporting course work: Normally equates to 80-88 hours.

No more than 8 hours of credit in 100-level courses in IB or MCB may be counted toward graduation.

Continuation in the Integrative Biology Honors Concentration requires a grade of B or better in each of IB 270, IB 271, and IB 372 and a 3.0 overall cumulative GPA.

Students should discuss alternate CHEM choices with the IB advising office. To earn the Chemistry minor students must choose 3 or 4 hour Chemistry courses, excluding research or independent study.

Introductory chemistry should be completed prior to enrolling in IB 270.

Independent study equivalent to IB 490 in non-IB programs must first be approved by Director of IBH Concentration.

Students may count toward graduation no more than a combined maximum of 10 hours of IB 390 and IB 490 credit offered for independent study.

University Requirements

Minimum of 40 hours of upper-division coursework, generally at the 300- or 400-level. These hours can be drawn from all elements of the degree. Students should consult their academic advisor for additional guidance in fulfilling this requirement.

The university and residency requirements can be found in the Student Code (§ 3-801) and in the Academic Catalog.

General Education Requirements

Follows the campus General Education (Gen Ed) requirements. Some Gen Ed requirements may be met by courses required and/or electives in the program.

Composition I	4-6
Advanced Composition	3
fulfilled by IB 271	
Humanities & the Arts (6 hours)	6
Natural Sciences & Technology (6 hours)	6
fulfilled by CHEM 102 and CHEM 104, or CHEM 202 and CHEM 204; PHYS 101 and PHYS 102, or PHYS 211 and PHYS 212; IB 150, MCB 150	
Social & Behavioral Sciences (6 hours)	6
Cultural Studies: Non-Western Cultures (1 course)	3

Cultural Studies: US Minority Cultures (1 course)		3
Cultural Studies: Western/Comparative Cultures (1 course)		3
Quantitative Reasoning (2 courses, at least one course must be Quantitative Reasoning I)		6-10
fulfilled by MATH 220 or MATH 221; PHYS 101 and PHYS 102, or PHYS 211 and PHYS 212		
Language Requirement (Completion of the fourth semester or equivalent of a language other than English is required)		0-20
Orientation and Professional Development		
LAS 101	Design Your First Year Experience	1
OR		
LAS 100 & LAS 101	Success in LAS for International Students and Design Your First Year Experience	3
OR		
LAS 102	Transfer Advantage	1
Total Hours		**1 or 3**
Integrative Biology Major Requirements		
IB 150	Organismal & Evolutionary Biol	4
MCB 150	Molecular & Cellular Basis of Life	4
MATH 220	Calculus (Biocalculus section)	4-5
or MATH 221	Calculus I	
Select one group of courses:		8-10
CHEM 202	Accelerated Chemistry I	
CHEM 203	Accelerated Chemistry Lab I	
CHEM 204	Accelerated Chemistry II	
CHEM 205	Accelerated Chemistry Lab II	
OR		
CHEM 102	General Chemistry I	
CHEM 103	General Chemistry Lab I	
CHEM 104	General Chemistry II	
CHEM 105	General Chemistry Lab II	
Select one group of courses:		5-6

CHEM 236	Fundamental Organic Chem I	
& CHEM 237	and Structure and Synthesis	
CHEM 232	Elementary Organic Chemistry I	
& CHEM 233	and Elementary Organic Chem Lab I	
Select one group of courses:		8-10
PHYS 211	University Physics: Mechanics	
& PHYS 212	and University Physics: Elec & Mag	
PHYS 101	College Physics: Mech & Heat	
& PHYS 102	and College Physics: E&M & Modern	
Integrative Biology Major, Honors Concentration Additional Requirements		
IB 270	Evolution of Molecules & Cells	5
IB 271	Organismal Biology	5
IB 372	Ecology and Evolution	5
MATH 231	Calculus II	3-4
or IB 494	Theoretical Biology + Models	
At least six hours of advanced courses in Chemistry. Select from these courses:		6-8
CHEM 312	Inorganic Chemistry	
CHEM 332	Elementary Organic Chem II	
CHEM 360	Chemistry of the Environment	
CHEM 437	Organic Chemistry Lab	
CHEM 440	Physical Chemistry Principles	
MCB 450	Introductory Biochemistry	3
An approved 300- or 400- level course in statistics. Select one of these courses:		3
STAT 440	Statistical Data Management	
NRES 421	Quantitative Methods in NRES	
NRES 445	Statistical Methods	
CPSC 440	Applied Statistical Methods I	
IB 490	Independent Study	6
Advanced Biological Science Electives. Select from the following:		10
IB 303	Anatomy	
IB 329	Animal Behavior	

IB 348	Fish and Wildlife Ecology
IB 360	Evolution and Human Health
IB 361	Ecology and Human Health
IB 362	Marine Biology
IB 364	Genomics and Human Health
IB 368	Vertebrate Natural History
IB 392	Translating Your IB Degree Into Career Success
IB 401	Introduction to Entomology
IB 405	Evolution of Traits and Genomes
IB 407	Plant Diversity and Evolution
IB 411	Bioinspiration
IB 416	Population Genetics
IB 420	Plant Physiology
IB 421	Photosynthesis
IB 426	Env and Evol Physl of Animals
IB 430	Animal Behavior Lab
IB 431	Behavioral Ecology
IB 432	Genes and Behavior
IB 433	Insect Physiology
IB 435	Critical Evaluation of Herbal Remedies
IB 438	How Organisms Move
IB 439	Biogeography
IB 440	Plants and Global Change
IB 444	Insect Ecology
~~IB 450~~	~~Course IB 450 Not Found~~
IB 451	Conservation Biology
IB 452	Ecosystem Ecology
IB 453	Community Ecology
IB 454	Science Writing & Presentation

IB 455	Ecotoxicology and Human Health
IB 460	Evol of Intelligent Systems
IB 461	Ornithology
IB 462	Mammalogy
IB 463	Ichthyology
IB 464	Herpetology
IB 465	Methods in Molecular Genetics and Genomics
IB 467	Principles of Systematics
IB 468	Insect Classification and Evol
IB 471	Fungal Diversity and Ecology
IB 476	Environmental Remote Sensing
IB 478	Advanced Plant Genetics
IB 479	Plant Growth and Development
~~IB 480~~	~~Bioinspired Design~~
IB 481	Vector-borne Diseases
IB 482	Insect Pest Management
IB 484	Paleoclimatology
IB 494	Theoretical Biology + Models
IB 496	Special Courses
IB 497	Science Communication
ACE 310	Natural Resource Economics
ANSC 363	Behavior of Domestic Animals
ANSC 406	Zoo Animal Conservation Sci
ANSC 431	Advanced Reproductive Biology
ANSC 454	Neuroimmunology
ANSC 464	Physiology of Animal Stress & Disease
ANSC 467	Applied Animal Ecology
ANTH 346	Forensic Anthropology
ANTH 347	Human Osteology

ANTH 379	Medical Anthropology
ANTH 407	Evolutionary Immunology
ANTH 408	Human Evolutionary Anatomy
ANTH 437	Primate Behav Endocrinology
ANTH 438	Primate Life History Evolution
ANTH 440	Human Paleontology
ANTH 441	Human Genetics
ANTH 443	Primate Form and Behavior
ANTH 444	Methods in Bioanthropology
ANTH 445	Research in Bioanthropology
ANTH 447	Advanced Skeletal Biology
ATMS 421	Earth Systems Modeling
BIOC 446	Physical Biochemistry
BIOC 455	Technqs Biochem & Biotech
BIOP 401	Introduction to Biophysics
CPSC 407	Diseases of Field Crops
CPSC 408	Integrated Pest Management
CPSC 412	Principles of Crop Production
CPSC 415	Bioenergy Crops
CPSC 416	Native Plants, Pollinators, & Food Ecosystems
CPSC 418	Crop Growth and Management
CPSC 426	Weed Mgt in Agronomic Crops
CPSC 437	Principles of Agroecology
CPSC 440	Applied Statistical Methods I
CPSC 444	Introduction to Spatial Analytics
CPSC 454	Plant Breeding Methods
CPSC 466	Genomics for Plant Improvement
CPSC 480	Cannabis Classification and Management
CPSC 481	Principles and Practices of Cannabis Flower Production

CPSC 485	Cannabis Phytochemistry: Analysis, Applications and Beyond
FSHN 480	Basic Toxicology
GGIS 379	Introduction to Geographic Information Systems
GGIS 380	Geographic Information Systems II
GGIS 477	Introduction to Remote Sensing
GGIS 478	Techniques of Remote Sensing
HK 342	Health Behaviors and Cognition
HK 352	Bioenergetics of Movement
HK 353	Biomechanics of Human Movement
HK 441	Physical Activity and Chronic Diseases
HK 448	Skeletal Muscle Physiology
HK 450	Integrative Biology of Exercise
HK 452	Clin & Applied Ex Physiology
HK 455	Exercise Endocrinology
HK 457	Motor Learning & Control
LA 370	Environmental Sustainability
MCB 300	Microbiology
MCB 301	Experimental Microbiology
MCB 314	Introduction to Neurobiology
MCB 316	Genetics and Disease
MCB 317	Genetics and Genomics
MCB 320	Mechanisms of Human Disease
MCB 354	Biochem & Phys Basis of Life
MCB 364	Eukaryotic Cell Biology Laboratory
MCB 400	Cancer Cell Biology
MCB 401	Cellular Physiology
MCB 402	Sys & Integrative Physiology
MCB 406	Gene Expression & Regulation
MCB 408	Immunology

MCB 410	Developmental Biology, Stem Cells and Regenerative Medicine
MCB 413	Endocrinology
MCB 419	Brain, Behavior & Info Process
MCB 421	Microbial Genetics
MCB 424	Microbial Biochemistry
MCB 426	Bacterial Pathogenesis
MCB 428	Microbial Pathogens Laboratory
MCB 430	Molecular Microbiology
MCB 431	Microbial Physiology
MCB 432	Computing in Molecular Biology
MCB 433	Virology & Viral Pathogenesis
MCB 434	Food & Industrial Microbiology
MCB 435	Evolution of Infectious Disease
MCB 436	Global Biosecurity
MCB 442	Comparative Immunobiology
MCB 446	Physical Biochemistry
MCB 460	Neuroanatomy Laboratory
MCB 462	Integrative Neuroscience
MCB 465	Human Metabolic Disease
MCB 466	Neuro & Molecular Pharmacology
MCB 471	Cell Structure and Dynamics
MCB 480	Eukaryotic Cell Signaling
MCB 493	Special Topics Mol Cell Biol
NRES 302	Dendrology
NRES 325	Natural Resource Policy Mgmt
NRES 340	Environ Social Sci Res Meth
NRES 351	Introduction to Environmental Chemistry
NRES 362	Ecology of Invasive Species
NRES 407	Wildlife Population Ecology

NRES 409	Fishery Ecol and Conservation
NRES 415	Native Plant ID and Floristics
NRES 416	Forest Biology
NRES 418	Wetland Ecology & Management
NRES 419	Env and Plant Ecosystems
NRES 420	Restoration Ecology
NRES 421	Quantitative Methods in NRES
NRES 427	Modeling Natural Resources
NRES 429	Aquatic Ecosystem Conservation
NRES 438	Soil Nutrient Cycling
NRES 454	GIS in Natural Resource Mgmt
NRES 455	Advanced GIS for Environmental Management
NRES 465	Landscape Ecology
NRES 471	Pedology
NRES 475	Environmental Microbiology
NRES 482	Aquatic Biogeochemistry
NRES 487	Soil Chemistry
NRES 488	Soil Fertility and Fertilizers
PLPA 403	Advanced Plant Pathology
PLPA 405	Plant Disease Diagnosis & Mgmt
PSYC 302	Applied Neuroscience
PSYC 313	Drugs, Brain and Behavior
PSYC 403	Memory and Amnesia
PSYC 404	Cognitive Neuroscience
PSYC 413	Advanced Neuropsychopharmacology
PSYC 414	Brain, Learning, and Memory
PSYC 417	Neuroscience of Eating & Drinking
PSYC 421	Principles of Psychophysiology
PSYC 450	Cognitive Psychophysiology

PSYC 451	Neurobio of Aging
PSYC 453	Cog Neuroscience of Vision
UP 406	Urban Ecology

Program Relationships

Corresponding Program(s):

Corresponding Program(s)
Integrative Biology, BSLAS

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.

Are the learning outcomes for the program listed in the Academic Catalog?

Yes

Student Learning Outcomes

By the time they graduate, an Integrative Biology Honors major should be able to:

1. Synthesize and apply significant knowledge in Integrative Biology, including anatomy, development, ecology, evolution, genetics, molecular biology, physiology, and/or systematics.
2. Apply predictive models to biological phenomena and engage with the process of scientific inquiry.
3. Critically evaluate and communicate complex, dynamic scientific information.
4. Employ curiosity, inquiry, quantitative reasoning, and critical thinking in problem solving.
5. Create solutions for global and local biological challenges using interdisciplinary strategies.
6. Develop professional skills including ethics, proficiency in oral and written scientific communication, data analysis and interpretation, collaboration, and the ability to critically evaluate science-related news and information.

Did you make any revisions to the learning outcomes you copied and pasted from the current academic catalog?

No

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

Delivery Method

This program is available:

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

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.

No impacts on enrollment or degrees awarded are expected.

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

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

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 on faculty resources is expected.

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 proposal team consulted with Biosciences Librarian, Kelli Trei and, based upon their input, determined that the Library's resources, collections, and services include coverage of the subjects in the updated Integrative Biology program including added or revised courses and are sufficient to meet the needs of the program outlined in this proposal.

EP Documentation

EP Control Number EP.26.069

Attach Rollback/ Approval Notices

Non-EP Documentation

U Program Review Comments

Rollback Documentation and Attachment

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name

BSLAS:Int Biol: Honors -UIUC

Program Code: 10KV5028BSLA

Minor Code	Conc Code	5028	Degree Code	BSLAS Major Code
0438				

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

DOE Approval Date NA

Effective Date:

Program Reviewer Comments **Emily Stuby (eastuby) (10/07/25 7:07 am):** Rollback: Need to correct workflow so the program goes to SIB.

Key: 724

Program Change Request

EP.26.069
Admin Approval_Section2_#A1

Date Submitted: 09/29/25 1:05 pm

Viewing: 1PKS6936MS : Integrative Biology, MS

Last approved: 10/23/24 9:26 am

Last edit: 11/28/25 4:36 pm

Changes proposed by: Allison O'Dwyer

Catalog Pages Using this Program	Integrative Biology, MS

Proposal Type:
Major (ex. Special Education)

This proposal is for a:
Revision

In Workflow

1. U Program Review
2. 1383-IB Head
3. SIB 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. Catalog Editor
17. DMI

Approval Path

1. 10/01/25 4:29 pm Brianna Vargas-Gonzalez (bv4): Approved for U Program Review
2. 10/02/25 10:02 am Allison O'Dwyer (aodwyer): Approved for 1383-IB Head
3. 10/10/25 11:07 am Brian Allan (ballan): Approved for SIB Head
4. 11/11/25 2:08 pm Melissa Reedy (murray): Approved

for KV Dean
5. 11/11/25 3:19 pm Tom Teper (tteper): Approved for University Librarian
6. 11/24/25 1:44 pm Allison McKinney (agrindly): Approved for Grad_College
7. 11/24/25 7:33 pm Suzanne Lee (suzannel): Approved for COTE Programs
8. 11/25/25 8:44 am Brooke Newell (bsnewell): Approved for Provost

History

1. Jul 22, 2021 by Kelly Ritter (ritterk)
2. Apr 21, 2022 by Beth McKown (bmckown1)
3. May 3, 2022 by Mary Lowry (lowry)
4. Oct 17, 2022 by Mary Lowry (lowry)
5. Oct 21, 2022 by Mary Lowry (lowry)
6. Nov 2, 2022 by Mary Lowry (lowry)
7. Oct 23, 2024 by Allison O'Dwyer (aodwyer)

Administration Details

Official Program	Integrative Biology, MS

Name	
Diploma Title	Master of Science in Integrative Biology
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Integrative Biology
Sponsor Name	Allison O'Dwyer, Director of Graduate Studies, Integrative Biology, MS Programs
Sponsor Email	aodwyer@illinois.edu
College Contact	Stephen R Downie, Associate Dean for Curr & Academic Policy, LAS
College Contact Email	sdownie@illinois.edu
College Budget Officer	
College Budget Officer Email	

If additional stakeholders other than the Sponsor and College Contacts listed above should be contacted if questions during the review process arise, please list them here.

Does this program have inter-departmental administration?

No

Effective Catalog Term

Effective Catalog Term	Spring 2026
Effective Catalog	2025-2026

Proposal Title

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 Liberal Arts and Sciences, include the Graduate College for Grad Programs)

Revise the Master of Science in Integrative Biology in the College of Liberal Arts and Sciences and the Graduate College

Does this proposal have any related proposals that will also be revised at this time and the programs depend on each other? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently and together as needed. Format your response like the following "This BS proposal (key 567) is related to the Concentration A proposal (key 145)"

The following keys undergoing revision are related:
723: Integrative Biology, BSLAS
724: Integrative Biology: Honors Integrative Biology, BSLAS
1159: JP: Integrative Biology BSLAS & MS
996: Integrative Biology, MS

Program Justification

Provide a brief description, using a numbered item list, of the proposed changes to the program.

1. Adds three newly approved courses.

2. Moves one course to a new section of the program of study table.

3. Removes two deactivated courses (IB 491, IB 450).

4. Removed IB 480 (ME 475), IB 532, IB 535, IB 536.

Did the program content change 25% or more in relation to the total credit hours, since the most recent university accreditation visit? See the italicized text below for more details.

No

Provide the reasoning for why each change was necessary, using a corresponding numbered item list as it relates to the brief description numbered list above.

1. New courses added to the program of study include:
a. IB 455 Ecotoxicology and Human Health: added to the list of approved advanced IB courses for Area II: Behavior, Ecology, and Environment Advanced IB Courses
b. IB 454 Science Writing & Presentation: added to the list titled "Remaining courses to total 15 hours minimum may be selected from any of the area courses listed above or from the following list"
c. IB 430 Animal Behavior Lab is newly approved for graduate credit and thus is added to the list of approved Area 2 courses for the MS in IB program.

2. IB 467 Principles of Systematics is removed from the section titled "Remaining courses to total 15 hours minimum may be selected from any of the area courses listed above or from the following list". IB 467 is moved instead to the Area I: Organismal & Evolutionary Biology list. This is becuase the course is now taught longterm by IB faculty, is a lab course, and best fits with Area I curriculum.

3. These courses were deactivated FA25.

4. These courses have not been offered recently and faculty are no longer teaching the courses.

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? If Yes is selected, indicate the appropriate courses and attach the letter of support/ acknowledgement.

Yes

Courses outside of the sponsoring department/interdisciplinary departments:

ME 475 - Bioinspired Design

Please attach any letters of support/ acknowledgement for any

AcknowLetter_ME475.pdf

Instructional Resources. Consider faculty, students, and/or other impacted units as appropriate.

Program Features

Academic Level	Graduate
Does this major have transcripted concentrations?	No

What is the longest/maximum time to completion of this program?

1 year

What are the minimum Total Credit Hours required for this program?

32

What is the required GPA?	3.0
CIP Code	260101 - Biology/Biological Sciences, General.

Is this program part of an ISBE approved licensure program?

No

Will specialized accreditation be sought for this program?

No

Does this program prepare graduates for entry into a career or profession that is regulated by the State of Illinois?

No

Program of Study

Revised programs

Catalog Page Text - Overview Tab

Catalog Page Overview Text

The Master of Science in Integrative Biology (MS in IB) provides students with a non-thesis, course-based degree program opportunity focused on interdisciplinary training for 21st-century scientific roles. Students explore how scales of life interact, from molecules through global cycles, to solve grand challenges such as addressing global change, improving human health, mitigating biodiversity loss, and contributing to ecosystem restoration and sustainable food and biofuel production. Students in the MS program have the ability to enhance their skill sets within IB upper-level courses through our world-class educational experiences, without having to invest in a required and timely research component for the degree. Students will thus be able to graduate in one year with a advanced degree making them more competitive for employment and future research opportunities.

This program primarily serves students who are in a gap year between undergraduate programs and either employment or future graduate-level programs. With the ability to hone skills in critical thinking, communication, laboratory practices, and scientific knowledge this program affords students the ability to make effective use out of such a year. The MS in IB program offers advanced coursework in fields such as organismal biology, behavioral ecology, anatomy and physiology, environmental science, bioinformatics, pathology, genomics, and mathematical modeling. These multi-disciplinary courses are grounded in active learning and highly transferable, higher-order processing skills such as application, interpretation, and evaluation. Students build laboratory skills spanning from tall grass prairie restoration to modern genome-editing techniques. Graduates are well-equipped for a broad range of careers in fields including healthcare, biotechnology, genetic counseling, wildlife management, and environmental sciences.

For additional details and requirements refer to the MS in IB program page and the Graduate College Handbook.

Is the overview text above correct?

Yes

Statement for Programs of Study Catalog

Required Course List		
IB 592	Career and Skill Development in Integrative Biology	2
Core Curriculum		**12**

Select from the following three Areas. At least one course must be a lab and the courses must be in at least two different Areas.

Area I: Organismal and Evolutionary Biology

IB 401	Introduction to Entomology (lab)
IB 407	Plant Diversity and Evolution (lab)
IB 461	Ornithology (lab)
IB 462	Mammalogy (lab)
IB 463	Ichthyology (lab)
IB 464	Herpetology (lab)
IB 467	Principles of Systematics (lab)
IB 468	Insect Classification and Evol (lab)
IB 471	Fungal Diversity and Ecology (lab)
Area II: Behavior, Ecology and the Environment	
IB 405	Evolution of Traits and Genomes
IB 430	Animal Behavior Lab (lab)
IB 431	Behavioral Ecology
IB 432	Genes and Behavior
IB 439	Biogeography
IB 440	Plants and Global Change
IB 444	Insect Ecology (lab)
IB 451	Conservation Biology (lab)
IB 452	Ecosystem Ecology
IB 453	Community Ecology
IB 455	Ecotoxicology and Human Health
IB 481	Vector-borne Diseases (lab)
IB 482	Insect Pest Management (lab)
IB 494	Theoretical Biology + Models (lab)
Area III: Integrative anatomy, Physiology and Molecular Biology	
IB 411	Bioinspiration
IB 420	Plant Physiology
IB 421	Photosynthesis
IB 426	Env and Evol Physl of Animals

IB 433	Insect Physiology
IB 435	Critical Evaluation of Herbal Remedies
IB 438	How Organisms Move (lab)
IB 460	Evol of Intelligent Systems (lab)
IB 465	Methods in Molecular Genetics and Genomics

Additional electives selected from the following list to meet the 32-hour minimum.

Courses from the any of the Areas above that did not fulfill another requirement may also count toward elective credit.

IB 416	Population Genetics
IB 436	Evolutionary Neuroscience
IB 442	Evolution of Infectious Disease
~~IB 450~~	~~Course IB 450 Not Found~~
IB 454	Science Writing & Presentation
IB 476	Environmental Remote Sensing
IB 478	Advanced Plant Genetics
IB 479	Plant Growth and Development
~~IB 480~~	~~Bioinspired Design~~
IB 484	Paleoclimatology
~~IB 491~~	~~Biological Modeling~~
IB 496	Special Courses
IB 497	Science Communication
IB 499	Discussions in Integrative Biology
IB 501	Programming for Genomics
IB 502	Biological Networks
IB 504	Genomic Analysis of Insects
IB 505	Bioinformatics & Systems Biol
IB 506	Applied Bioinformatics
IB 512	Plant Metabolomics
IB 513	Plant Science Seminar
IB 516	Ecosystem Biogeochemistry

IB 517	Analysis of Biological Data in R
IB 524	Plant Biochemistry
IB 526	Seminar in Entomology
IB 531	Emerging Infectious Diseases
~~IB 532~~	~~Sustainability & Global Change~~
IB 533	Human Genome & Bioinformatics
IB 534	Evolution and Medicine
~~IB 535~~	~~Biology and Tech Innovation~~
~~IB 536~~	~~Evolutionary Biology~~
IB 542	Environmental Plant Physiology
IB 546	Topics in Ecology & Evolution
IB 590	Individual Topics
Total Hours Required	**32**

Other Requirements:

Minimum GPA	3.0
Maximum hours of IB 590 allowed to count toward the MS in IB degree	6
Minimum hours at the 500-level within the unit	12

Corresponding Degree	MS Master of Science

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.

Are the learning outcomes for the program listed in the Academic Catalog?

Yes

Student Learning Outcomes

Learning Outcomes for the MS in IB Program:

1. Synthesize and apply core knowledge in interdisciplinary biological fields including anatomy, biochemistry, development, ecology, evolution, genetics, molecular biology, physiology, and/or systematics.
2. Apply predictive models to biological phenomena and engage with the process of scientific inquiry.
3. Critically evaluate and communicate complex, dynamic scientific information.
4. Employ curiosity, inquiry, quantitative reasoning, and critical thinking in problem solving.
5. Show leadership in using interdisciplinary strategies to solve global and local biological challenges.
6. Develop professional skills including ethics, proficiency in scientific writing and speaking, collaboration, and effective communication.

Did you make any revisions to the learning outcomes you copied and pasted from the current academic catalog?

No

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

Delivery Method

This program is available:

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

Admission Requirements

Desired Effective Spring 2026

Admissions Term

Is this revision a change to the admission status of the program?

No

Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

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.

No impacts on enrollment or degrees awarded are expected.

Estimated Annual Number of Degrees Awarded

Year One Estimate	5th Year Estimate (or when fully implemented)
25	

What is the matriculation term for this program?

Fall

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

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

What tuition rate do you expect to charge for this program? e.g, Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary)

Chem Life Differential

Are you seeking a change in the tuition rate or differential for this program?

No

Is this program requesting self-supporting status?

Yes

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 on faculty resources is expected.

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 proposal team consulted with Biosciences Librarian, Kelli Trei and, based upon their input, determined that the Library's resources, collections, and services include coverage of the subjects in the updated Integrative Biology program including added or revised courses and are sufficient to meet the needs of the program outlined in this proposal.

EP Documentation

EP Control Number EP.26.069

Attach Rollback/ Approval Notices

Non-EP Documentation

U Program Review Comments

Rollback Documentation and Attachment

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name

MS:Integrative Biology-UIUC

Program Code: 1PKS6936MS

Minor Code	Conc Code	Degree Code	MS Major Code
6936			

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

DOE Approval Date

Effective Date:

Program Reviewer Comments

Key: 966

Program Change Request

EP.26.069
Admin Approval_Section2-#A2

Date Submitted: 09/29/25 1:05 pm

Viewing: 10KV6160BSLA & 1PKS6160MS : JP: Integrative Biology BSLAS & MS

Last approved: 10/23/24 9:26 am

Last edit: 11/28/25 4:36 pm

Changes proposed by: Allison O'Dwyer

Catalog Pages Using this Program: Integrative Biology, BSLAS-MS

Proposal Type:
Joint Program (ex. Master of Public Health & PhD. in Community Health)

This proposal is for a:
Revision

In Workflow

1. U Program Review
2. Gen Ed Review
3. 1383-IB Head
4. SIB Head
5. KV Dean
6. University Librarian
7. Grad_College
8. COTE Programs
9. Provost
10. Senate EPC
11. Senate
12. U Senate Conf
13. Board of Trustees
14. IBHE
15. HLC
16. DOE
17. Catalog Editor
18. DMI

Approval Path

1. 10/01/25 4:31 pm Brianna Vargas-Gonzalez (bv4): Approved for U Program Review
2. 10/03/25 8:54 am Melissa Steinkoenig (menewell): Approved for Gen Ed Review
3. 10/03/25 12:26 pm Allison O'Dwyer (aodwyer): Approved for 1383-IB Head
4. 10/10/25 11:07 am

Brian Allan (ballan): Approved for SIB Head

5. 11/11/25 2:08 pm Melissa Reedy (murray): Approved for KV Dean
6. 11/11/25 3:19 pm Tom Teper (tteper): Approved for University Librarian
7. 11/24/25 1:44 pm Allison McKinney (agrindly): Approved for Grad_College
8. 11/24/25 7:33 pm Suzanne Lee (suzannel): Approved for COTE Programs
9. 11/25/25 8:44 am Brooke Newell (bsnewell): Approved for Provost

History

1. Aug 8, 2023 by Allison O'Dwyer (aodwyer)
2. Aug 16, 2023 by Kathy Martensen (kmartens)
3. Oct 23, 2024 by Allison O'Dwyer (aodwyer)

Administration Details

Official Program Name	JP: Integrative Biology BSLAS & MS

Diploma Title	Bachelor of Science in Liberal Arts and Sciences and Master of Science in Integrative Biology	
Sponsor College	Liberal Arts & Sciences	
Sponsor Department	Integrative Biology	
Sponsor Name	Brian Allan, Associate Director for Academic Affairs, School of Integrative Biology	
Sponsor Email	ballan@illinois.edu	
College Contact	Stephen R. Downie, Associate Dean for Curricula and Academic Policy, College of Liberal Arts and Sciences	College Contact Email sdownie@illinois.edu
College Budget Officer	Michael Wellens	
College Budget Officer Email	wellens@illinois.edu	

If additional stakeholders other than the Sponsor and College Contacts listed above should be contacted if questions during the review process arise, please list them here.

Allison O'Dwyer, Assistant Director for Academic Affairs, School of Integrative Biology and Director of Graduate Studies for MS in IB program, aodwyer@illinois.edu

Melissa Reedy, murray@illinois.edu (LAS Assistant Director Course & Cir Dvt)

Does this program have inter-departmental administration?

No

Effective Catalog Term

Effective Catalog Term	Spring 2026
Effective Catalog	2025-2026

Proposal Title

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 Liberal Arts and Sciences, include the Graduate College for Grad Programs)

Revise the Joint Program in the Bachelor of Science in Liberal Arts and Sciences in Integrative Biology and the Master of Science in Integrative Biology in the College of Liberal Arts and Sciences and the Graduate College

Does this proposal have any related proposals that will also be revised at this time and the programs depend on each other? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently and together as needed. Format your response like the following "This BS proposal (key 567) is related to the Concentration A proposal (key 145)"

The following keys undergoing revision are related:
723: Integrative Biology, BSLAS
724: Integrative Biology: Honors Integrative Biology, BSLAS
1159: JP: Integrative Biology BSLAS & MS
996: Integrative Biology, MS

Program Justification

Provide a brief description, using a numbered item list, of the proposed changes to the program.

1. Added three newly approved courses.

2. Moved one course to a new section of the program of study table.

3. Removed two deactivated courses.

4. Removed IB 480 (ME 475), IB 532, IB 535, IB 536.

5. Minor updates were made to the wording in program of study about IB 204 Genetics.

6. Added a maximum of 2 hours of IB 490 Independent Study to the list of choices for advanced IB credit.

7. Updated the Distinction GPA.

Provide the reasoning for why each change was necessary, using a corresponding numbered item list as it relates to the brief description numbered list above.

1. New courses added to the program of study include:
a. IB 455 Ecotoxicology and Human Health: added to the list of approved advanced IB courses for Area II: Behavior, Ecology, and Environment Advanced IB Courses
b. IB 454 Science Writing & Presentation: added to the list titled "Remaining courses to total 15 hours minimum may be selected from any of the area courses listed above or from the following list"
c. IB 430 Animal Behavior Lab is newly approved for graduate credit and thus is added to the list of approved Area 2 courses for the MS in IB program.

2. IB 467 Principles of Systematics is removed from the section titled "Remaining courses to total 15 hours minimum may be selected from any of the area courses listed above or from the following list". IB 467 is moved instead to the Area I: Organismal & Evolutionary Biology list. This is becuase the course is now taught longterm by IB faculty, is a lab course, and best fits with Area I curriculum.

3. IB 450 and IB 491 were deactivated FA25.

4. These courses have not been offered recently and faculty are no longer teaching the courses.

5. This sentence was deleted as additional information about IB 204 Genetics: "IB majors are required to enroll in the 4-hour version of IB 204." This is because we no longer offer a 3-credit-hour version of the course, it is only for 4 credit hours now. IB 201 Organismal Genetics was newly created to serve as a non-majors, 3-hour version of Genetics in place of the 3-hour version of IB 204.

6. IB 490 Independent Study is an advanced course with laboratory and/or field research supervised by faculty members in the School of Integrative Biology. A written report is required. As such, the SIB Courses and Curricula, along with the SIB Executive Committee, have recently approved up to 2 hours of IB 490 to count towards the advanced IB course requirement. IB 490 is added to the section titled "Remaining courses to total 15 hours minimum may be selected from any of the area courses listed above or from the following list."

7. In the program overview, the requirements for graduation with distinction in research are updated as follows. There are three levels of graduation with distinciton in IB: Distinction, High Distinction, and Highest Distinction. Instead of a 3.25 in the major GPA requirement for all levels, students now only need a 3.25 GPA in the major for the levels of High and Highest distinction. Students will now be considered for Distinction if they have a 3.0 GPA in the major or higher.

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? If Yes is selected, indicate the appropriate courses and attach the letter of support/ acknowledgement.

Yes

Courses outside of the sponsoring department/interdisciplinary departments:

ME 475 - Bioinspired Design

Please attach any letters of support/ acknowledgement for any Instructional Resources. Consider faculty, students, and/or other impacted units as appropriate.

AcknowLetter_ME475.pdf

Program Features

Academic Level

Undergraduate
Graduate

What is the longest/maximum time to completion of this program?

5 years

What are the minimum Total Credit Hours required for this program?

140

What is the required GPA?

3.0

Is this program part of an ISBE approved licensure program?

Yes

Will specialized accreditation be sought for this program?

No

Does this program prepare graduates for entry into a career or profession that is regulated by the State of Illinois?

No

Program of Study

Provide detailed information (course rubrics, numbers, and credit hours) of how a student could obtain 40 credit hours of upper-division coursework.

40-hours advanced credit requirement met as follows:

4 credit-hours: IB 202 (prereq IB 150, MCB 150)
4 credit-hours: IB 203 (prereq IB 150, MCB 150)
4 credit-hours: IB 204 (prereq IB 150, MCB 150)
4 credit-hours: IB 302
6 credit-hours: CHEM 232/233 (pre-req CHEM 104/105)
15 credit-hours: Adv IB courses
3 credit-hours: Adv Campus Elective

IB Honors Concentration 40-hours advanced credit requirement met as follows:

5 hrs IB 270 (prereq IB 150, MCB 150)
5 hrs IB 271 (prereq IB 150, MCB 150)
5 hrs IB 372
6 hrs CHEM 232/3 (prereq CHEM 104 and CHEM 105) or CHEM 236/7 (prereq CHEM 104 & CHEM 102 OR CHEM 204 & CHEM 202 OR CHEM 222 & CHEM 223)
3 hrs MCB 450
3 hrs 300- or 400-level STAT
6 hrs IB 490
10 hrs 300- or 400-level Biological Sciences Electives

Revised programs BSLAS+MS in IB Sample Sequence-4-2 Rev.docx

Catalog Page Text - Overview Tab

Catalog Page Overview Text

In the School of Integrative Biology (SIB), students receive interdisciplinary training to prepare them for 21st-century scientific roles. We occupy a unique position on campus. Our majors explore how scales of life interact, from molecules through global cycles, to solve grand challenges such as addressing global change, improving human health, mitigating biodiversity loss, and contributing to ecosystem restoration and sustainable food and biofuel production. The SIB community collaborates extensively on both research and teaching, leading to multi-disciplinary courses grounded in active learning and highly transferable higher-order processing skills such as application, interpretation, and evaluation. Students build laboratory skills spanning from tall grass prairie restoration to modern genome-editing techniques. The IB curriculum includes preparation in genomics and evolution; comparative anatomy, physiology, and development; ecology and behavior; phylogenetic systematics and molecular biology; and mathematical modeling and informatics. Graduates are well-equipped for a broad range of careers in fields including healthcare, biotechnology, genetic counseling, wildlife management, and environmental sciences.

Additionally, the MS in IB program provides students with a non-thesis, course-based advanced degree program opportunity. Students in the BSLAS+ MS in IB program can enhance their skill sets within IB upper-level courses through our world-class educational experiences, without having to invest in a required thesis component for the degree. Students interested in research are able to participate in course-based research opportunities such as IB 390, 490, and 590. Typical time to degree completion is 5-years (ten full-time semesters) with both an undergraduate and advanced degree.

-Integrative Biology, BSLAS and Integrative Biology, BSLAS Honors concentration students are eligible to apply. See the IB Honors degree requirements.
-Students with junior standing (90 credit hours, including those in progress) or higher apply internally to the School of Biology BSLAS + MS in IB program.
-Students must have 3.0 or higher GPA from their junior year onward of undergraduate study to receive admission to the Graduate College. This means that the average GPA of their junior year and/or (depending on when the student applies) first semester of their senior year coursework must be 3.0 or higher.
-Applications are reviewed holistically, looking at GPA and performance in courses, experiential opportunities (work, volunteer experiences, internships), personal statements that seek non-cognitive attributes such as work-ethic, leadership and service. ~~service, as well as recommendation letters.~~
-The GRE is not required.
-Upon acceptance, students are admitted to the joint program and meet with their BSLAS + MS in IB Director of Graduate Studies to determine which courses will be taken that will apply to both degrees. (During their undergraduate degree, students also continue to meet with their undergraduate advisor.)
-After the completion of the undergraduate requirements (including those in progress), students apply to the master's portion of the program through the Graduate College and are

assessed graduate tuition as the MS portion is self-supporting.
-Students admitted to the graduate program must maintain an overall 3.0 GPA to remain in good standing.
-Credits from the IB, BSLAS program cannot be retroactively applied.
-12-hours will double-count toward both the BSLAS degree requirements and the MS requirements, for a total of 140-hours required in total. These 12-hours may be selected from any course listed on the MS in IB Approved Courses List.
-Students may withdraw from the program at any time by petition to have graduate hours earned converted to undergraduate hours and applied toward their IB, BSLAS undergraduate degree. Students reverting to a BSLAS degree program must complete 120 hours and satisfy all degree requirements. ~~requirements Distinction for Excellence in Research Students are eligible for graduation at the following levels:~~

Distinction for Excellence in Research

Students are eligible for graduation at the following levels: Distinction, High Distinction, or Highest Distinction. Distinction will be determined by the SIB Distinction Committee and the level of Distinction will be based on the information below. To be eligible for graduation with Distinction for Excellence in Research a student must:

-Be enrolled as an Integrative Biology or Integrative Biology Honors Major
-Have a completed distinction evaluation form submitted by their Faculty Research Advisor
-To be eligible for Distinction, students must maintain ~~-Maintain~~ a minimum 3.0 ~~3.25~~ GPA within the major at the end of the penultimate semester. ~~semester -To be eligible for Distinction, students must give a poster presentation at the SIB Distinction Symposium or other approved venue -To be eligible for High or Highest Distinction, students must submit a written thesis and give an oral presentation at the SIB Distinction Symposium or other approved venue -Finally, all students regardless of Distinction level must either:~~ Students must also give a poster presentation at the SIB Distinction Symposium or other approved venue
-To be eligible for High or Highest Distinction, students must maintain a minimum 3.25 GPA within the major at the end of the penultimate semester. Students must also submit a written thesis and give an oral presentation at the SIB Distinction Symposium or other approved venue
-Finally, all students regardless of Distinction level must either:

1. Complete two or more semesters of IB 390/IB 490 for 2-credit hours or more each semester. The student should enroll in IB 490 the semester they intend to graduate, which counts towards the two required semesters.

OR

2. Complete at least 180 hours of mentored research. The research experience must last a minimum of 20 weeks (the weeks need not be consecutive and summer research counts toward this total) and students should enroll in one semester of IB 490 for a minimum of 1

toward this total) and students should enroll in one semester of IB 490 for a minimum of 1-credit hour prior to or during the semester they intend to graduate. Example: a student could be eligible if they complete a 10-week summer research experience combined with enrolling in IB 490 the following spring semester, the same term they intend to graduate.

Is the overview text above correct?

Yes

Statement for Programs of Study Catalog

Graduation Requirements

Minimum hours required for graduation: 120 hours for the BSLAS portion; 140 minimum total hours required for the BSLAS and the MS degrees combined.

Minimum required major and supporting course work: Normally equates to to 66-75 hours.

University Requirements

Minimum of 40 hours of upper-division coursework, generally at the 300- or 400-level. These hours can be drawn from all elements of the degree. Students should consult their academic advisor for additional guidance in fulfilling this requirement.

The university and residency requirements can be found in the Student Code (§ 3-801) and in the Academic Catalog.

General Education Requirements

Follows the campus General Education (Gen Ed) requirements. Some Gen Ed requirements may be met by courses required and/or electives in the program.

Composition I	4-6
Advanced Composition	3
fulfilled by IB 203	
Humanities & the Arts (6 hours)	6
Natural Sciences & Technology (6 hours)	6
fulfilled by CHEM 102 and CHEM 104, or CHEM 202 and CHEM 204; PHYS 101 and PHYS 102, or PHYS 211 and PHYS 212; IB 150, MCB 150	
Social & Behavioral Sciences (6 hours)	6
Cultural Studies: Non-Western Cultures (1 course)	3
Cultural Studies: US Minority Cultures (1 course)	3
Cultural Studies: Western/Comparative Cultures (1 course)	3
Quantitative Reasoning (2 courses, at least one course must be Quantitative Reasoning I)	6-10
fulfilled by MATH 220 or MATH 221; STAT 212; PHYS 101 and PHYS 102, or PHYS 211 and PHYS 212	

Language Requirement (Completion of the fourth semester or equivalent of a language other than English is required)		0-20
Orientation and Professional Development		
LAS 101	Design Your First Year Experience	1
OR		
LAS 100 & LAS 101	Success in LAS for International Students and Design Your First Year Experience	3
OR		
LAS 102	Transfer Advantage	1
Total Hours		**1 or 3**
Major Core Requirements and Electives		
IB 150	Organismal & Evolutionary Biol	4
MCB 150	Molecular & Cellular Basis of Life	4
MATH 220	Calculus (sections that start with 'X' are strongly recommended)	4-5
or MATH 221	Calculus I	
Select one group of courses:		8-10
CHEM 102	General Chemistry I	
CHEM 103	General Chemistry Lab I	
CHEM 104	General Chemistry II	
CHEM 105	General Chemistry Lab II	
or		
CHEM 202	Accelerated Chemistry I	
CHEM 203	Accelerated Chemistry Lab I	
CHEM 204	Accelerated Chemistry II	
CHEM 205	Accelerated Chemistry Lab II	
Select one group of courses:		5-6
CHEM 232 & CHEM 233	Elementary Organic Chemistry I and Elementary Organic Chem Lab I	
CHEM 236 & CHEM 237	Fundamental Organic Chem I and Structure and Synthesis	
Select one group of courses:		8-10

PHYS 101 & PHYS 102	College Physics: Mech & Heat and College Physics: E&M & Modern	
PHYS 211 & PHYS 212	University Physics: Mechanics and University Physics: Elec & Mag	
Note: An optional IB Honors concentration may be elected, please talk to an advisor. Students who do not elect an optional concentration are required to take the IB major coursework below.		
STAT 212	Biostatistics	3
IB 202	Physiology (IB 202 requires animal dissection and no equivalent alternative is available. IB majors are required to enroll in the 4-hour version of this course.)	4
IB 203	Ecology	4
IB 204	Genetics	4
IB 302	Evolution	4
Advanced Free Elective (300- or 400-level course from IB or any other unit on campus)		3
Integrative Biology Advanced Area Courses		15-20
At least two courses from the following areas. At least one course must be a lab and the courses must be in different areas.		
Area I: Organismal and Evolutionary Biology		
IB 360	Evolution and Human Health	
IB 362	Marine Biology	
IB 368	Vertebrate Natural History (lab)	
IB 401	Introduction to Entomology (lab)	
IB 407	Plant Diversity and Evolution (lab)	
IB 461	Ornithology (lab)	
IB 462	Mammalogy (lab)	
IB 463	Ichthyology (lab)	
IB 464	Herpetology (lab)	
IB 468	Insect Classification and Evol (lab)	
IB 467	Principles of Systematics (lab)	
IB 471	Fungal Diversity and Ecology (lab)	
Area II: Behavior, Ecology, and the Environment		
IB 329	Animal Behavior	

IB 361	Ecology and Human Health
IB 405	Evolution of Traits and Genomes
IB 430	Animal Behavior Lab (lab)
IB 431	Behavioral Ecology
IB 432	Genes and Behavior
IB 439	Biogeography
IB 440	Plants and Global Change
IB 444	Insect Ecology (lab)
IB 451	Conservation Biology (lab)
IB 452	Ecosystem Ecology
IB 453	Community Ecology
IB 455	Ecotoxicology and Human Health
IB 481	Vector-borne Diseases (lab)
IB 482	Insect Pest Management (lab)
IB 494	Theoretical Biology + Models (lab)
Area III: Integrative Anatomy, Physiology, and Molecular Biology	
IB 303	Anatomy (lab)
IB 364	Genomics and Human Health
IB 411	Bioinspiration
IB 420	Plant Physiology
IB 421	Photosynthesis
IB 426	Env and Evol Physl of Animals
IB 433	Insect Physiology
IB 435	Critical Evaluation of Herbal Remedies
IB 438	How Organisms Move (lab)
IB 460	Evol of Intelligent Systems (lab)
IB 465	Methods in Molecular Genetics and Genomics
Remaining courses to total 15 hours minimum may be selected from any of the Area courses listed above or from the following list:	
IB 348	Fish and Wildlife Ecology

IB 392	Translating Your IB Degree Into Career Success	
IB 416	Population Genetics	
IB 436	Evolutionary Neuroscience	
IB 442	Evolution of Infectious Disease	
~~IB 450~~	~~Course IB 450 Not Found~~	
IB 454	Science Writing & Presentation	
IB 476	Environmental Remote Sensing	
IB 478	Advanced Plant Genetics	
IB 479	Plant Growth and Development	
~~IB 480~~	~~Bioinspired Design~~	
IB 484	Paleoclimatology	
~~IB 491~~	~~Biological Modeling~~	
IB 490	Independent Study (up to 2 hours maximum)	
IB 496	Special Courses	
IB 497	Science Communication	
IB 499	Discussions in Integrative Biology	
MCB 300	Microbiology	
MCB 314	Introduction to Neurobiology	
MCB 450	Introductory Biochemistry	
Total Hours		**120**

MS in IB Requirements

12-hours will double-count toward both the BSLAS degree requirements above and the MS requirements below. These 12-hours can be selected from courses listed on any requirements for the MS in IB program.

Required Course List

IB 592	Career and Skill Development in Integrative Biology	2
Core Curriculum		**12**

Select from the following three Areas. At least one course must be a lab and the courses must be in at least two different Areas.

Area I: Organismal and Evolutionary Biology

IB 401	Introduction to Entomology (lab)
IB 407	Plant Diversity and Evolution (lab)
IB 461	Ornithology (lab)
IB 462	Mammalogy (lab)
IB 463	Ichthyology (lab)
IB 464	Herpetology (lab)
IB 467	Principles of Systematics (lab)
IB 468	Insect Classification and Evol (lab)
IB 471	Fungal Diversity and Ecology (lab)
Area II: Behavior, Ecology and the Environment	
IB 405	Evolution of Traits and Genomes
IB 430	Animal Behavior Lab (lab)
IB 431	Behavioral Ecology
IB 432	Genes and Behavior
IB 439	Biogeography
IB 440	Plants and Global Change
IB 444	Insect Ecology (lab)
IB 451	Conservation Biology (lab)
IB 452	Ecosystem Ecology
IB 453	Community Ecology
IB 455	Ecotoxicology and Human Health
IB 481	Vector-borne Diseases (lab)
IB 482	Insect Pest Management (lab)
IB 494	Theoretical Biology + Models (lab)
Area III: Integrative anatomy, Physiology and Molecular Biology	
IB 411	Bioinspiration
IB 420	Plant Physiology
IB 421	Photosynthesis
IB 426	Env and Evol Physl of Animals

IB 433	Insect Physiology
IB 435	Critical Evaluation of Herbal Remedies
IB 438	How Organisms Move (lab)
IB 460	Evol of Intelligent Systems (lab)
IB 465	Methods in Molecular Genetics and Genomics

Additional electives selected from the following list to meet the 32-hour minimum.

Courses from the any of the Areas above that did not fulfill another requirement may also count toward elective credit.

IB 416	Population Genetics
IB 436	Evolutionary Neuroscience
IB 442	Evolution of Infectious Disease
~~IB 450~~	~~Course IB 450 Not Found~~
IB 454	Science Writing & Presentation
IB 476	Environmental Remote Sensing
IB 478	Advanced Plant Genetics
IB 479	Plant Growth and Development
~~IB 480~~	~~Bioinspired Design~~
IB 484	Paleoclimatology
~~IB 491~~	~~Biological Modeling~~
IB 496	Special Courses
IB 497	Science Communication
IB 499	Discussions in Integrative Biology
IB 501	Programming for Genomics
IB 502	Biological Networks
IB 504	Genomic Analysis of Insects
IB 505	Bioinformatics & Systems Biol
IB 506	Applied Bioinformatics
IB 512	Plant Metabolomics
IB 513	Plant Science Seminar
IB 516	Ecosystem Biogeochemistry

IB 517	Analysis of Biological Data in R
IB 524	Plant Biochemistry
IB 526	Seminar in Entomology
IB 531	Emerging Infectious Diseases
~~IB 532~~	~~Sustainability & Global Change~~
IB 533	Human Genome & Bioinformatics
IB 534	Evolution and Medicine
~~IB 535~~	~~Biology and Tech Innovation~~
~~IB 536~~	~~Evolutionary Biology~~
IB 542	Environmental Plant Physiology
IB 546	Topics in Ecology & Evolution
IB 590	Individual Topics
Total Hours Required	**32**
Other requirements:	
Minimum GPA	3.0
Maximum hours of IB 590 allowed to count toward the MS in IB degree	6
Minimum hours at the 500-level within the unit	12

Program Relationships

Identify the existing programs to be joined:

Corresponding Program(s)
Integrative Biology, BSLAS
Integrative Biology, MS

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.

Are the learning outcomes for the program listed in the Academic Catalog?

Yes

Student Learning Outcomes

The Student Learning Outcomes (SLOs) for the BSLAS+MS in IB joint degree program are as follows:

1. Synthesize and apply core knowledge in Integrative Biology, including anatomy, development, ecology, evolution, genetics, molecular biology, physiology, and/or systematics.
2. Apply predictive models to biological phenomena and engage with the process of scientific inquiry.
3. Critically evaluate and communicate complex, dynamic scientific information.
4. Employ curiosity, inquiry, quantitative reasoning, and critical thinking in problem solving.
5. Create solutions for global and local biological challenges using interdisciplinary strategies.
6. Develop professional skills including ethics, proficiency in oral and written scientific communication, data analysis and interpretation, collaboration, and the ability to critically evaluate science-related news and information.

Did you make any revisions to the learning outcomes you copied and pasted from the current academic catalog?

No

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

Delivery Method

This program is available:

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

Admission Requirements

Desired Effective Admissions Term: Spring 2026

Is this revision a change to the admission status of the program?

No

Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

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.

No impacts on enrollment or degrees awarded are expected.

Estimated Annual Number of Degrees Awarded

Year One Estimate	0	5th Year Estimate (or when fully implemented)
15		

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

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

What tuition rate do you expect to charge for this program? e.g, Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary)

Chem Life Differential

Are you seeking a change in the tuition rate or differential for this program?

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 on faculty resources is expected.

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 proposal team consulted with Biosciences Librarian, Kelli Trei and, based upon their input, determined that the Library's resources, collections, and services include coverage of the subjects in the updated Integrative Biology program including added or revised courses and are sufficient to meet the needs of the program outlined in this proposal.

EP Documentation

EP Control Number EP.26.069

Attach Rollback/ Approval Notices

Non-EP Documentation

U Program Review Comments

Rollback Documentation and Attachment

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name

BSLAS: BSLAS/MS IB - UIUC & MS: BSLAS/MS IB - UIUC

Program Code: 10KV6160BSLA & 1PKS6160MS

Minor Code	Conc Code	6160	Degree Code	Major Code

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

DOE Approval Date NA

Effective Date:

Program Reviewer Comments

Key: 1159

Program Change Request

EP.26.069
Admin Approval_Section2-#A3

Date Submitted: 10/10/25 12:19 pm

Viewing: 5507 : Philosophy of Education - Floating (on campus, off campus, ~~campus~~ & online)

Last approved: 09/11/20 3:20 pm

Last edit: 11/28/25 4:36 pm

Changes proposed by: Laura Ketchum

Catalog Pages Using this Program	Philosophy of Education Concentration

Proposal Type:
Concentration (ex. Dietetics)

This proposal is for a:
Revision

In Workflow

1. U Program Review
2. 1760-EPOL Committee Chair
3. 1760-EPOL Head
4. KN Committee Chair
5. KN Dean
6. University Librarian
7. Grad_College
8. COTE Programs
9. Provost
10. Senate EPC
11. Senate
12. U Senate Conf
13. Board of Trustees
14. IBHE
15. HLC
16. DOE
17. Catalog Editor
18. DMI

Approval Path

1. 09/25/25 9:07 am Emily Stuby (eastuby): Rollback to Initiator
2. 10/15/25 4:41 pm Brianna Vargas-Gonzalez (bv4): Approved for U Program Review
3. 10/17/25 1:37 pm Linda Herrera (lherrera): Approved for 1760-EPOL Committee Chair

4. 10/17/25 2:07 pm Laura Ketchum (ketchum): Approved for 1760-EPOL Head
5. 11/07/25 3:13 pm Linda Herrera (lherrera): Approved for KN Committee Chair
6. 11/07/25 3:15 pm Karla Moller (kjmoller): Approved for KN Dean
7. 11/10/25 1:28 pm Tom Teper (tteper): Approved for University Librarian
8. 11/25/25 12:02 pm Allison McKinney (agrindly): Approved for Grad_College
9. 11/25/25 12:28 pm Suzanne Lee (suzannel): Approved for COTE Programs
10. 11/25/25 2:01 pm Brooke Newell (bsnewell): Approved for Provost

History

1. Sep 11, 2020 by Deb Forgacs (dforgacs)

Administration Details

Official Program	Philosophy of Education - Floating (on campus, off

Name	campus, ~~campus~~ & online)
Diploma Title	
Sponsor College	Education
Sponsor Department	Education Policy, Organization and Leadership
Sponsor Name	Lorenzo Baber ~~Yoon Pak~~
Sponsor Email	ldbaber@illinois.edu ~~yoonpak@illinois.edu~~
College Contact	Lori Fuller ~~Kathy Stalter~~
College Contact Email	harvey1@illinois.edu ~~kstalter@illinois.edu~~
College Budget Officer	Erin Farrar
College Budget Officer Email	efarrar2@illinois.edu

If additional stakeholders other than the Sponsor and College Contacts listed above should be contacted if questions during the review process arise, please list them here.

Laura Ketchum ketchum@illinois.edu

Does this program have inter-departmental administration?

No

Effective Catalog Term

Effective Catalog Term	Spring 2026
Effective Catalog	2025-2026

Proposal Title

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 Liberal Arts and Sciences, include the Graduate College for Grad Programs)

Revise the Concentration in Philosophy of Education in the College of Education and the Graduate College

Does this proposal have any related proposals that will also be revised at this time and the programs depend on each other? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently and together as needed. Format your response like the following "This BS proposal (key 567) is related to the Concentration A proposal (key 145)"

This proposal is related to the EDD program (key 208) and EDM program (key 211 as it adds the Philosophy of Education concentration to those in the online program codes.

Program Justification

Provide a brief description, using a numbered item list, of the proposed changes to the program.

1. We are revising the concentration coursework from the previously cross listed EPS courses to the new EPOL or ERAM numbers.
2. We are removing EPOL 545/EPS 522, EPOL 408/EPS 413, ERAM 515/EPS 516, and EPOL 510/ EPS 520 from the concentration coursework as these courses has been, or are in process, to be deactivated.
3. We are adding EPOL 415 & ERAM 552.
4. We are revising the delivery method from on campus to on campus, offcampus and online to allow students in the EPOL Online and Off campusprograms to add the Philosophy of Education concentration to their student record.

Adding these programs:
10KS5399EDDU
10KS5399EDMU
10KS5399EDMX
10KS5399EDDX

Did the program content change 25% or more in relation to the total credit hours, since the most recent university accreditation visit? See the italicized text below for more details.

No

Provide the reasoning for why each change was necessary, using a corresponding numbered item list as it relates to the brief description numbered list above.

1. When we first created the EPOL rubric in Fall 2020, the Graduate College suggested we keep all "old" EPS, HRD, EOL rubrics as cross lists active for 3 years to avoid student course enrollment duplication. It is now time to deactivate the cross list courses with the rubrics of EPS, HRD, EOL.
2. These courses have been or are in process to be deactivated
3. ERAM 552 and EPOL 415 are being added as new concentration courses relevant to students in philosophy of education.
4. We offer courses in both on campus, off campus and online formats. This change would align with current offerings and make this concentration available as an additional graduate concentration for EPOL online and off campus degree students who complete at least 12 hours of the Philosophy of Education concentration coursework.

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? If Yes is selected, indicate the appropriate courses and attach the letter of support/ acknowledgement.

No

Program Features

Academic Level Graduate

Is this program part of an ISBE approved licensure program?

No

Will specialized accreditation be sought for this program?

No

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

Does this program prepare graduates for entry into a career or profession that is regulated by the State of Illinois?

No

Program of Study

Revised programs PoE concentration revision proposal side by side 3-20-25.xlsx

Catalog Page Text - Overview Tab

Catalog Page Overview Text

This concentration is available for:

Education Policy, Organization and Leadership, EdM (on campus, online and off-site)
Education Policy, Organization and Leadership, MA
Education Policy, Organization and Leadership, PhD
Education Policy, Organization and Leadership, EDD (on campus, online and off-site)

Is the overview text above correct?

Yes

Statement for Programs of Study Catalog

Select 12 hours from the following courses:		12
EPOL 405	School and Society	
EPOL 406	Professional Ethics in Education	
EPOL 407	Critical Thinking in Education	
EPOL 415	Theories of Justice in Education	
EPOL 480	Technology and Educational Reform	
EPOL 506	Contemporary Philosophy of Education	
EPOL 524	Education and Human Rights	
ERAM 551	Philosophy and History of Educational Research	
ERAM 552	The Role of Theory in Educational Research	
ERAM 571	Traditions in Philosophy of Education	
ERAM 572	Case Studies in Educational Ethics	

Total Hours	12
~~Select 12 hours from the following courses:~~	~~12~~
~~EPS 410~~	~~Course EPS 410 Not Found~~
~~EPS 411~~	~~Course EPS 411 Not Found~~
~~EPS 412~~	~~Course EPS 412 Not Found~~
~~EPS 413~~	~~Course EPS 413 Not Found~~
~~EPS 415~~	~~Course EPS 415 Not Found~~
~~EPS 510~~	~~Course EPS 510 Not Found~~
~~EPS 511~~	~~Course EPS 511 Not Found~~
~~EPS 515~~	~~Course EPS 515 Not Found~~
~~EPS 516~~	~~Course EPS 516 Not Found~~
~~EPS 517~~	~~Course EPS 517 Not Found~~
~~EPS 520~~	~~Course EPS 520 Not Found~~
~~EPS 522~~	~~Course EPS 522 Not Found~~
~~EPS 529~~	~~Course EPS 529 Not Found~~
~~Total Hours~~	~~0~~

Program Relationships

Corresponding Program(s):

Corresponding Program(s)
Education Policy, Organization & Leadership, CAS (on campus & off campus)
Education Policy, Organization & Leadership, EdD (on campus, off campus & online)
Education Policy, Organization & Leadership, EdM (on campus, off campus & online)
Education Policy, Organization & Leadership, MA
Education Policy, Organization & Leadership, PhD

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.

Are the learning outcomes for the program listed in the Academic Catalog?

No

Student Learning Outcomes

Upon successful completion of a Graduate Concentration in Philosophy of Education, students will:

1. Acquire in-depth knowledge of historical traditions and contemporary perspectives in philosophy of education and their relationship to empirical research in education.
2. Develop deep understanding of core topics in the philosophy of education such as educational ethics, theories of justice in education, epistemology of education, philosophy of educational technology, and the nature of concepts like freedom, agency, responsibility, or identity in education.
3. Demonstrate skills in philosophical inquiry in education, including clear conceptual and normative analysis, rigorous argumentation, and adept engagement with educational research.

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

Describe here:

The learning outcomes assessment activities will be grounded in the overarching EPOL learning outcome, which is to foster a comprehensive academic identity of the EPOL department based on our core mission. In particular, EPOL programs will enable students to conduct high quality scholarly research and to commit to continuous improvement of equity, diversity, and social justice. Our programs also enable students to support and collaborate with multidisciplinary areas of concentrations, in order to identify synergies to address the most critical issues in PK-12, post-secondary, workplace learning, and lifelong learning and education contexts.

The administration of assessment will be conducted with a comprehensive and systematic approach. The goal of our assessment is to inform the continuous improvement of our curricular and instructional activities. Our assessment activities are described in Table 1 below.

Table 1. Administration of Learning Outcomes Assessment

Level Goal Data Sources Frequency

Department Ensure the learning outcomes at department level align with campus/college policies, operational resources, strategic trajectory, and faculty expertise

- Student input
- Faculty input
- College Academic Program Committee
- Campus policies Once a month during department leadership meeting

Program Ensure the learning outcomes at program level align with departmental policies and operational capacities

- Student input
- Faculty input
- Departmental Graduate Program Committee (GPC) Once a month during department GPC meeting (AY)

Concentration Ensure the learning outcomes at concentration level align with faculty expertise and operational capacities

- Student input
- Faculty input Once a month during concentration faculty meeting (AY)

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.

The overarching learning outcome for EPOL students is to foster a comprehensive academic identity of the EPOL department based on the core mission of the department, which enables students to conduct high quality scholarly research and to commit to continuous improvement of equity, diversity, and social justice. Our programs also enable students to support and collaborate with multidisciplinary areas of concentrations, in order to identify synergies to address the most critical issues in PK-12, post-secondary, workplace learning, and lifelong learning and education contexts.

Upon the conclusion of the Ph.D. program in EPOL, students will be able to:

- Demonstrate advanced levels of knowledge and skills in developing, implementing, and evaluating evidence-based scholarly research
- Demonstrate scholarly leadership on how to improve equity, diversity, and social justice across a wide range of educational, organizational, and policy contexts
- Disseminate information about the result of scholarly research and reflective practices to inform scholarly and practitioner communities

Upon the conclusion of the Ed.D. program in EPOL, students will be able to:

- Demonstrate advanced levels of knowledge and skills in developing, implementing, and evaluating evidence-based research as scholar-practitioners
- Demonstrate leadership in improving in improving equity, diversity, and social justice across a wide range of professional settings
- Disseminate information about evidence-based practice and research to practitioner communities

Upon the conclusion of the Ed.M. program in EPOL, students will be able to

- Demonstrate knowledge and skills in developing, implementing, and evaluating evidence-based programs and practices
- Comprehend current topics and trends in EPOL-wide fields that inform evidence-based practices to improve equity, diversity, and social justice across a wide range of educational, professional, and organizational contexts

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

This annual report was shared with the EPOL Graduate Program Committee to review with faculty within their program area. The following recommendations were suggested during discussion:

• To improve transparency and access to findings, GPC recommends working posting to EPOL website the learning outcome goals for EPOL and within program concentrations. GPC also recommends posting to the EPOL website a set of findings from our learning outcomes assessment (to be updated annually).
• Overall, there are no major issues with the current survey instruments. GPC recommends maintaining the general set of survey questions for consistency while also adding questions about recruitment phase of the student experience.
• GPC recommends crafting concentration-specific questions to future survey to support a deeper dive into experiences and opportunities for improvement at the department and program levels.

Program Description and Requirements

Attach Documents

Delivery Method

This program is available:

On Campus and Online - 2 program types. Students can receive the entire program either on campus or online. Students can choose to take courses in either modality.

Describe the use of this delivery method:

Courses are offered both ~~This program is an~~ on campus and online formats. ~~program.~~ Changing the concentration from on campus only to on campus, off campus and online aligns to our current course modality offerings. This change will allow students in offcampus and online degree programs to complete the concentration through current offerings. It will expand access to the program without any additional costs. ~~It is not off campus.~~

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.

This change would make this concentration available as an additional concentration for EPOL online and off campus degree students who complete at least 12 hours of the Philosophy of Education concentration coursework, increasing course enrollment. It will not impact the overall Department student 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

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?

This is no financial support required with this change.

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 on faculty resources.

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.

Library collections, resources and services are sufficient to support this program.

EP Documentation

EP Control Number EP.26.069

Attach Rollback/ Approval Notices

Non-EP Documentation

U Program Review Comments

Rollback Documentation and Attachment

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name

Philosophy of Education

Program Code: 5507

Minor Code	Conc Code	5507	Degree Code	Major Code

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date	
IBHE Approval Date	
HLC Approval Date	
DOE Approval Date	
Effective Date:	

Program Reviewer Comments	**Deb Forgacs (dforgacs) (12/16/21 3:31 pm):** Rollback: requested. **Deb Forgacs (dforgacs) (07/14/22 9:52 am):** Rollback: Delivery method. **Liv Thorstensson Davila (livtd) (11/04/22 2:08 pm):** Rollback: As per request **Deb Forgacs (dforgacs) (11/04/22 2:24 pm):** Rollback: as requested. **Mary Lowry (lowry) (05/10/24 3:46 pm):** Rollback: Please see email dated 5-10-24. **Mary Lowry (lowry) (06/12/24 11:26 am):** Rollback: Please see email dated 6-12-24 **Mary Lowry (lowry) (06/18/24 4:03 pm):** Rollback: Please see email dated 6-18-24 **Emily Stuby (eastuby) (09/25/25 9:07 am):** Rollback: Rollback to include off campus programs in justification. **Allison McKinney (agrindly) (11/25/25 12:02 pm):** Administratively approved

Key: 997

Program Change Request

EP.26.069
Admin Approval_Setcion2-#B1

Date Submitted: 10/22/25 1:52 pm

Viewing: 10KM5597BS : Information Systems, BS

Last approved: 05/03/24 2:07 pm

Last edit: 12/03/25 4:31 pm

Changes proposed by: Brian Fulton

Catalog Pages Using this Program: Information Systems, BS

Proposal Type:
Major (ex. Special Education)

This proposal is for a:
Revision

In Workflow

1. U Program Review
2. Gen Ed Review
3. 1902-B_ADM Committee Chair
4. 1902-B_ADM Head
5. KM Committee Chair
6. KM Dean
7. University Librarian
8. COTE Programs
9. Provost
10. Senate EPC
11. Senate
12. U Senate Conf
13. Board of Trustees
14. IBHE
15. HLC
16. Catalog Editor
17. DMI

Approval Path

1. 10/24/25 2:41 pm Emily Stuby (eastuby): Approved for U Program Review
2. 10/29/25 10:56 am Melissa Steinkoenig (menewell): Approved for Gen Ed Review
3. 10/29/25 11:25 am Mark Wolters (mwolter): Approved for 1902-B_ADM Committee

Chair
4. 11/03/25 10:25 am Carlos Torelli (ctorelli): Approved for 1902-B_ADM Head
5. 11/12/25 1:18 pm Mitch Fisher (mfisher6): Approved for KM Committee Chair
6. 11/13/25 1:19 pm Nerissa Brown (nerissab): Approved for KM Dean
7. 11/14/25 9:50 am Tom Teper (tteper): Approved for University Librarian
8. 11/14/25 11:02 am Suzanne Lee (suzannel): Approved for COTE Programs
9. 11/20/25 8:06 am Brooke Newell (bsnewell): Approved for Provost

History

1. Apr 16, 2021 by Brian Fulton (bfulton)
2. Jan 30, 2024 by Brian Fulton (bfulton)
3. May 3, 2024 by Brian Fulton (bfulton)

Administration Details

Official Program Name	Information Systems, BS
Diploma Title	Bachelor of Science in Information Systems
Sponsor College	Gies College of Business
Sponsor Department	Business Administration
Sponsor Name	Carlos Torelli
Sponsor Email	ctorelli@illinois.edu
College Contact	Tiffany White ~~Nehemiah Scott~~
College Contact Email	tbwhite@illinois.edu ~~nehemiah@illinois.edu~~
College Budget Officer	Gina Oleynichak
College Budget Officer Email	goleynic@illinois.edu

If additional stakeholders other than the Sponsor and College Contacts listed above should be contacted if questions during the review process arise, please list them here.

Brian Fulton, Senior Director of Administration

Does this program have inter-departmental administration?

No

Effective Catalog Term

Effective Catalog Term	Fall 2026
Effective Catalog	2026-2027

Proposal Title

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 Liberal Arts and Sciences, include the Graduate College for Grad Programs)

Revise the Bachelor of Science in Information Systems in the Gies College of Business

Does this proposal have any related proposals that will also be revised at this time and the programs depend on each other? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently and together as needed. Format your response like the following "This BS proposal (key 567) is related to the Concentration A proposal (key 145)"

Program Justification

Provide a brief description, using a numbered item list, of the proposed changes to the program.

1. Adding an elective class to the degree requirements for the program

Did the program content change 25% or more in relation to the total credit hours, since the most recent university accreditation visit? See the italicized text below for more details.

No

Provide the reasoning for why each change was necessary, using a corresponding numbered item list as it relates to the brief description numbered list above.

1. This class had previously been approved as a pilot course, but was left off of any updates to the degree once the course received its permanent numbers

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? If Yes is selected, indicate the appropriate courses and attach the letter of support/ acknowledgement.

No

Program Features

Academic Level Undergraduate

Does this major have transcripted concentrations?	No

What is the longest/maximum time to completion of this program?

4 years

What are the minimum Total Credit Hours required for this program?

124

CIP Code	521301 - Management Science.

Is this program part of an ISBE approved licensure program?

No

Will specialized accreditation be sought for this program?

No

Does this program prepare graduates for entry into a career or profession that is regulated by the State of Illinois?

No

Program of Study

Provide detailed information (course rubrics, numbers, and credit hours) of how a student could obtain 40 credit hours of upper-division coursework.

BADM 211 and Business Analytics II 3
BADM 300 The Legal Environment of Bus 3
BADM 310 Mgmt and Organizational Beh 3
BADM 320 Principles of Marketing 3
BADM 449 Business Policy and Strategy 3
BADM 350 IT for Networked Organizations 3
BADM 352 Database Design and Management 3
BADM 353 Info Sys Analysis and Design 3
BADM 351 Social Media Strategy 3
BADM 356 Data Science and Analytics 3
BADM 357 Digital Making Seminar 3
BADM 323 Marketing Communications 3
BADM 324 Purchasing and Supply Mgmnt 3
BADM 326 Pricing Strategy 3

Revised programs	IS Side by Side 10-22-2025.xlsx

Catalog Page Text - Overview Tab

Catalog Page Overview Text

The Information Systems major prepares students to comfortably navigate through the challenges posed by the new-age organizations and society that are increasingly getting digitized.

Students learn about the design, implementation, and protection of systems and technology to address the information processing needs of an organization, and provide data and information for managerial decision-making. IS majors take both, technology and business courses which equip them with the required skill-set to be able to design, develop and deploy computer and software-based solutions in order to help businesses attain their tactical and strategic objectives.

Some of the key courses taken by IS majors include information technology for networked organizations, systems analysis and design, and database management. Because computers and software are used in all functional areas of business today, IS majors may choose to take additional courses in data analytics, information security/cyber-security, project management, human-computer interaction, programming, and social media applications to strengthen their resume, gain a wider exposure to domains supported by IS specialists, and prepare themselves to face the challenges in the technology-driven business world of today. IS majors will have the required knowledge and skill-set to make decisions about the selection and implementation of information systems/information technology, be a liaison between non-technical managers, computer programmers, and technical managers, assume a wide variety of roles requiring computer-based solutions, and generally be business leaders of the digital era.

Is the overview text above correct?

Yes

Statement for Programs of Study Catalog

Graduation Requirements

Minimum hours required for graduation: 124 hours.

University Requirements

Minimum of 40 hours of upper-division coursework, generally at the 300- or 400-level. These hours can be drawn from all elements of the degree. Students should consult their academic advisor for additional guidance in fulfilling this requirement.

The university and residency requirements can be found in the Student Code (§ 3-801) and in the Academic Catalog.

General Education Requirements

Follows the campus General Education (Gen Ed) requirements. Some Gen Ed requirements may be met by courses required and/or electives in the program.

Composition I		4-6
Advanced Composition		3
Humanities & the Arts (6 Hours)		6
Natural Sciences & Technology (6 hours)		6
Social & Behavioral Sciences (6 hours)		6
fulfilled by ECON 102 and ECON 103		
Cultural Studies: Non-Western Cultures (1 course)		3
Cultural Studies: US Minority Cultures (1 course)		3
Cultural Studies: Western/Comparative Cultures (1 course)		3
Quantitative Reasoning (2 courses, at least one course must be Quantitative Reasoning I)		6-10
fulfilled by CS 105; and MATH 115, MATH 220, MATH 221, MATH 231, MATH 234, or STAT 100		
Language Requirement (Completion of the third semester or equivalent of a language other than English is required)		0-15
Business Core Requirements		
ACCY 201 & ACCY 202	Accounting and Accountancy I and Accounting and Accountancy II	6
BUS 101	Professional Responsibility and Business	3
BUS 201	Business Dynamics	3
BUS 301	Business in Action	3
BUS 401	Crafting Your Purpose in Business	3
BADM 210 & BADM 211	Business Analytics I and Business Analytics II	6
BADM 275	Introduction to Operations and Supply Chain Management	3
BADM 300	The Legal Environment of Bus	3
BADM 310	Mgmt and Organizational Beh	3
BADM 320	Principles of Marketing	3
BADM 449	Business Policy and Strategy	3
CMN 101	Public Speaking	3
CS 105	Intro Computing: Non-Tech	3
ECON 102 & ECON 103	Microeconomic Principles and Macroeconomic Principles	6

FIN 221	Corporate Finance	3
Business Core Math		**3-5**
Choose one course from the list below:		
MATH 115	Preparation for Calculus	3
MATH 220	Calculus	5
MATH 221	Calculus I	4
MATH 231	Calculus II	3
MATH 234	Calculus for Business I	4
STAT 100	Statistics	3
Minimum Total Hours		**57**

Information Systems, BS Major Core Requirements and Electives

BADM 350	IT for Networked Organizations	3
BADM 352	Database Design and Management	3
BADM 353	Info Sys Analysis and Design	3
Information Systems Major Electives (choose three courses):		
BADM 351	Social Media Strategy	3
BADM 356	Data Science and Analytics	3
BADM 357	Digital Making Seminar	3
BADM 453	Business Intelligence	3
BADM 458	IT Governance	3
BADM 358	Big Data Platforms	3
BADM 370	Information Security Management	3
BADM 371	User Interaction/User Experience Design	3
BADM 372	Information Systems & Operations Management Practicum	3
Information Systems Program electives (choose three courses):		
BADM 323	Marketing Communications	3
BADM 324	Purchasing and Supply Mgmnt	3
BADM 326	Pricing Analytics	3
BADM 329	New Product Development	3
BADM 374	Management Decision Models	3

BADM 375	Operations Strategy	3
BADM 377	Project Management	3
BADM 379	Business Process Improvement	3
BADM 382	International Marketing	3
BADM 358	Big Data Platforms	3
BADM 370	Information Security Management	3
BADM 372	Information Systems & Operations Management Practicum	3
Total Hours		**27**

Corresponding Degree	BS Bachelor of Science

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.

Are the learning outcomes for the program listed in the Academic Catalog?

Yes

Student Learning Outcomes

Use critical thinking and problem-solving skills to provide solutions to businesses that leverage information technology.

Understand the intersection of technology and businesses, and recommend solutions to improve business performance and efficiency.

Did you make any revisions to the learning outcomes you copied and pasted from the current academic catalog?

No

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

Delivery Method

This program is available:

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

Admission Requirements

Desired Effective Admissions Term

Is this revision a change to the admission status of the program?

No

Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

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.

No impact on the enrollment of students in the program

Estimated Annual Number of Degrees Awarded

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

What is the matriculation term for this program?

Fall

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

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

What tuition rate do you expect to charge for this program? e.g, Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary)

Gies Business Differential

Are you seeking a change in the tuition rate or differential for this program?

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 additional impact on facilities. The class already exists and just needs to be added to the degree requirements.

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 additional impact on libraries. The class already exists and just needs to be added to the degree requirements.

EP Documentation

EP Control Number EP.26.069

Attach Rollback/ Approval Notices

Non-EP Documentation

U Program Review Comments

Rollback Documentation and Attachment

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name

BS:Information Systems -UIUC

Program Code: 10KM5597BS

Minor Code	Conc Code	Degree Code	BS Major Code
5597			

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

DOE Approval Date n/a

Effective Date:

Program Reviewer Comments

Key: 99