INTEGRATIVE BIOLOGY HONORS CONCENTRATION

For the Degree of Bachelor of Science in Liberal Arts and Sciences

Major in Sciences and Letters Curriculum

Integrative Biology Honors is designed for superior 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. Integrative Biology Honors provides preparation suitable for graduate and professional training in biology, as well as for biology careers in the private and public sectors.

E-mail: honors@sib.illinois.edu (ibhonors@life.illinois.edu)

Minimum required courses normally equate to 80-91 hours.

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

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

General education: Students must complete the Campus General Education requirements (https://courses.illinois.edu) including the campus general education language requirement.

Twelve hours of 300- and 400-level courses in the major must be taken on this campus.

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

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.

Substitutions or other changes in the requirements below may be made only by petition to and approval of the director of the Integrative Biology Honors Concentration.

Minimum hours required for graduation: 120 hours

Departmental distinction: Candidates for distinction must:

1. Consult with an IB Honors adviser no later than the beginning of their junior year to discuss their proposed research plan.
2. Have a minimum GPA of 3.25 when applying for distinction.
3. Present an acceptable written report on the research to the Integrative Biology Distinction Committee about two months prior to graduation. The research must have been an in-depth experience and produced substantial results to be considered eligible for distinction. Additional details on requirements, procedures, and deadlines are available at sib.illinois.edu/undergraduate/distinction (http://sib.illinois.edu/undergraduate/distinction).
4. Students must consult with their Integrative Biology honors adviser at least once each semester.

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

Students pursuing a degree in Integrative Biology Honors will be allowed to earn the Chemistry minor.

Students earning the Integrative Biology Honors Concentration will also produce substantial results to be considered eligible for distinction.

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.

If IB 494 is taken instead of MATH 231, it will not count towards the requirement of 10 hours of 300- or 400-level courses in the biological sciences.

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

Recommended courses are: CHEM 312, CHEM 332, CHEM 360, CHEM 437, CHEM 440. Students should discuss alternate 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.
Integrative Biology Honors Concentration

Recommended courses are: ATMS 421, ANSC 448, MCB 432 or IBH Director approved.

NRES 421 is recommended. Other suitable courses are CPSC 440 or STAT 400.

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