

Capstone I, II courses: (I) 50:121:400, (II) 50:121:401

Name of the Courses: Computational and Integrative Biology Capstone I and II

A brief description: A two-semester courses (fall and spring) to be completed in the last year of study for the major in Computational and Integrative Biology. Student will participate in a faculty-guided independent project and will present the results in written and oral forms. Completion of the two-semester sequence fulfills the Writing Requirement (W) of the General Curricular Requirements.

Learning goals: These courses bring together the interdisciplinary studies comprising the Computational and Integrative Biology major. These courses provide research experience for undergraduate students in CCIB's related subjects.

Procedure: Junior students should contact the Director of CCIB in the middle of the spring semester (March) to coordinate the capstone courses taken in their Senior year. Prior to contacting the Director, students should contact a faculty member of CCIB to discuss potential research projects. The research project will be done over a period of two semesters under the guidance of one or two faculty members of CCIB. Students are encouraged to select an interdisciplinary project with one advisor from an experimental and another from a computational lab (selecting two advisors is **not** mandatory). Students are required to submit a comprehensive written report to the advisor(s), and present their project during the Celebration of Undergraduate Research and Creative Activities (CURCA) during the spring semester. The final grade is determined by the student's advisor(s).