**BIOINFORMATICS/COMPUTATIONAL BIOLOGY (BCB)**

**BCB 404 (s) Special Topics**  
Max arranged

**BCB 500 Master’s Research and Thesis**  
Credit arranged

**BCB 501 (s) Seminar**  
Credit arranged  
Students are required to attend all of the invited speaker presentations in the IBEST/CMCI/BCB seminar series for the semester they are enrolled. Students who miss one or more presentations are expected to attend an alternative seminar approved by the instructor. Additional meetings may be required by the instructor.

**BCB 502 (s) Directed Study**  
Credit arranged

**BCB 503 (s) Workshop**  
Credit arranged

**BCB 504 (s) Special Topics**  
Credit arranged

**BCB 506 Laboratory Experience in the Biological Sciences**  
Credit arranged  
Hands-on activities in an active research laboratory whose central research interests are in the biological or biochemical sciences.  
**Prereq:** Admission to BCB program.

**BCB 507 Laboratory Experience in the Computational Sciences**  
Credit arranged  
Hands-on activities in an active research laboratory whose central research interests are in the computational sciences.  
**Prereq:** Admission to BCB program.

**BCB 508 Laboratory Experience in Mathematics or Statistics**  
Credit arranged  
Hands-on activities in an active research laboratory whose central research interests are in the mathematics or statistics.  
**Prereq:** Admission to BCB program.

**BCB 509 Evolutionary Biology for non-Life Scientists**  
3 credits  
This course is offered by Michigan State University as part of the National Science Foundation BEACON Science and Technology Center on ‘evolution in action’. Life-scientists in general, and evolutionary biologists in particular, have a particular way of looking at the world that may seem unfamiliar or unusual to non-biologists. In this class, students learn to ‘think’ like an evolutionary biologist. This course builds a working understanding of biological evolution, enabling effective collaboration with evolutionary biologists. (Fall only)  
**Prereq:** Graduate Standing

**BCB 597 (s) Practicum**  
Credit arranged

**BCB 598 (s) Internship**  
Credit arranged

**BCB 599 (s) Non-thesis Master’s Research**  
Credit arranged

**BCB 600 Doctoral Research and Dissertation**  
Credit arranged