

Faculty of Science ~ Minor in Computational Molecular Biology

**** NOT OPEN to students in Computer Science or Joint Computer Science programs ****

Information:

Computational Molecular Biology (24 credits):

Is the sub-discipline of bioinformatics that is located at the intersection of computer science and molecular biology. The focus of this area is on techniques for managing and analyzing molecular sequence data. This program will provide undergraduate students in the biological sciences with the skills from computer science to solve computational problems arising in molecular biology and genomics and will provide students with the necessary skills to build software tools from these algorithms.

Required Courses (24 credits)

COMP 202	(3)	Introduction to Computing 1
COMP 203	(3)	Introduction to Computing 2
COMP 251	(3)	Data Structures and Algorithms
COMP 360	(3)	Algorithm Design Techniques
COMP 462	(3)	Computational Biology Methods
COMP 563	(3)	Molecular Evolution Theory
COMP 564	(3)	Computational Gene Regulation
MATH 240	(3)	Discrete Structures 1

Contact information:

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