



## Cell & Molecular Biology Minor 2022-2023 Catalog

The minor in Cell and Molecular Biology is designed for students who wish to expand their skills and opportunities in life-science research, graduate or professional work. It consists of a minimum of 20 credits, 14 credits of required courses and at least 6 credits of electives.

### **A minor in CMB requires the following courses (14 credits):**

\_\_\_\_\_ CMB 156 – Discoveries in Cell and Molecular Biology, Credits: 1

\_\_\_\_\_ CMB 250 – Introduction to Biotechnology, Credits: 4

\_\_\_\_\_ CMB 451 – Bioinformatics: Tools and Techniques for Life Scientists, Credits: 3  
*(formerly CMB 351)*

\_\_\_\_\_ CMB 405 – Cell and Molecular Biology, Credits: 4

\_\_\_\_\_ CMB 406 – Laboratory in Cell and Molecular Biology, Credits: 2

### **At least 6 credit of electives (see list below)**

CMB Elective \_\_\_\_\_

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### **List of CMB Approved Electives for the CMB Minor**

BIO 423 – Plant Biotechnology, Credits: 3

CHM 461 – Biochemistry I, Credits: 4

CHM 463 – Biochemistry II, Credits: 3

CMB 409 – Responsible Conduct of Research, Credits: 1

CMB 411 – Genetics of Development and Cancer, Credits: 3

CMB 426 – Research Applications in Nucleic Acids, Credits: 4

CMB 440 – Research Applications in Drosophila Genomics, Credits: 3

CMB 452 – Computer Modeling and Drug Design, Credits: 3

CMB 460 – Genomics and Molecular Diagnostics, Credits: 3

CMB 485 – Molecular Ecology, Credits: 3

CMB 499 – Research in Cell and Molecular Biology, Credits: 1-3 (a maximum of three credits of CMB 499 may count toward the minor in CMB)