CELL AND MOLECULAR BIOLOGY MINOR

The minor in Cell and Molecular Biology introduces the mechanistic study of the life of the cell at the molecular level. Due to the extensive overlap in curricula, Biological Chemistry majors cannot minor in Cell and Molecular Biology. Neuroscience majors may minor in Cell and Molecular Biology, but the requirements are more rigorous.

Requirements

Students wishing to minor in cell and molecular biology must complete:

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CEL1010</td>
<td>Intro to Cell &amp; Molec Biology</td>
<td>3</td>
</tr>
<tr>
<td>CEL2050</td>
<td>Genetics</td>
<td>3</td>
</tr>
<tr>
<td>CEL3030</td>
<td>Molecular Biology</td>
<td>3</td>
</tr>
<tr>
<td>CEL3750</td>
<td>Cell Biology</td>
<td>3</td>
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</tbody>
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Additional Coursework
- Select two electives in biology
- Select 16 credits in chemistry

Total Credit Hours

34

1. One year of both general and organic chemistry and their respective laboratories

Because of the interdisciplinary nature of the biological chemistry major, students in that program may not minor in cell and molecular biology.

Neuroscience Majors

Neuroscience majors wishing to minor in cell and molecular biology must complete:

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<td>CEL3750</td>
<td>Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>CEL4010</td>
<td>Cellular Biochemistry</td>
<td>3</td>
</tr>
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Select two of the following:

- CEL3050 Foundations of Pharmacology
- CEL3210 Physiology
- CEL3400 Regenerative Biology
- CEL4110/4111 Human Histology
- CEL4130 Embryology
- CEL4160 Developmental Biology
- CEL4200 General Endocrinology
- CEL4220 Microbiology
- CEL4440 Adv Molecular Biology
- CEL4710 Molec Biology of Cancer
- CEL4780 Developmental Genetics

Additional Coursework
- Select 16 credits in chemistry

Total Credit Hours

31-32

1. CELL 4200 General Endocrinology (3 c.h.) may not be used for the CELL minor elective if NSCI 4200 General Endocrinology (3 c.h.) is used as a major elective.

2. One year of both general and organic chemistry and their respective laboratories