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>CELL 1010</td>
<td>Intro to Cell &amp; Molec Biology</td>
<td>3</td>
</tr>
<tr>
<td>CELL 2050</td>
<td>Genetics</td>
<td>3</td>
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<tr>
<td>CELL 3030</td>
<td>Molecular Biology</td>
<td>3</td>
</tr>
<tr>
<td>CELL 3750</td>
<td>Cell Biology</td>
<td>3</td>
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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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<tr>
<td>CELL 4010</td>
<td>Cellular Biochemistry</td>
<td>3</td>
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**Select two of the following:**

- CELL 3050 Foundations of Pharmacology
- CELL 3210 Physiology
- CELL 3400 Regenerative Biology
- CELL 4110/4111 Human Histology
- CELL 4130 Embryology
- CELL 4160 Developmental Biology
- CELL 4200 General Endocrinology
- CELL 4220 Microbiology
- CELL 4440 Advanced Molecular Biology
- CELL 4710 Molecular Biology of Cancer
- CELL 4780 Developmental Genetics

**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