

# Cellular and Molecular Neurobiology Minor

## Overview

Offered by the Department of Biology, the **Minor in Cellular and Molecular Neurobiology** is meant for students who wish to acquire basic knowledge of neuroscience at the molecular and cellular level. After completion of the foundational courses, students may choose upper-level courses in their particular area of interest.

Students whose programs have a significant neurobiology component may not declare a Cellular and Molecular Neurobiology minor. This includes:

- Neuroscience: Cellular and Molecular

**Campus Location:** Main

## Undergraduate Contact Information

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## Minor Requirements

Students interested in acquiring basic knowledge in Cellular and Molecular Neurobiology but not wishing to major in the subject may pursue a minor by successful completion of the following courses.

Note that most required courses have prerequisites. For more information, please check the course descriptions or ask an advisor.

| Code                                        | Title                                                                                                     | Credit Hours |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------|
| BIOL 1111<br>or BIOL 1911                   | Introduction to Organismal Biology<br>Honors Introduction to Organismal Biology                           | 4            |
| Select one of the following:                |                                                                                                           | 4            |
| BIOL 1112<br>or BIOL 1912                   | Introduction to Biomolecules, Cells and Genomes<br>Honors Introduction to Biomolecules, Cells and Genomes |              |
| BIOL 2112<br>or BIOL 2912                   | Introduction to Cellular and Molecular Biology<br>Honors Introduction to Cellular and Molecular Biology   |              |
| BIOL 2852                                   | Fundamentals of Cellular and Molecular Neuroscience                                                       | 3            |
| BIOL 3204                                   | Cell Structure and Function (F)                                                                           | 4            |
| BIOL 3352                                   | Systems Neuroscience                                                                                      | 3            |
| At least 6 credits from the following list: |                                                                                                           | 6            |
| BIOL 3334                                   | Mammalian Physiology                                                                                      |              |
| BIOL 3354                                   | Neural Basis of Animal Behavior                                                                           |              |
| BIOL 3356                                   | Organization and Development of the Nervous System                                                        |              |
| BIOL 3365                                   | The New Neuroimmunology                                                                                   |              |
| BIOL 3514                                   | Biological Models in Python                                                                               |              |
| BIOL 4358                                   | Cellular and Molecular Neuroscience                                                                       |              |
| BIOL 4361                                   | Molecular Neuropharmacology                                                                               |              |
| BIOL 4375                                   | General Biochemistry I                                                                                    |              |

**Total Credit Hours**

**24**

**Residency Requirements:** At least 4 courses required for the minor must be completed at Temple.