

# The Neuroscience Department welcomes the Class of 2027!

## What is Neuroscience?

Neuroscience explores how the brain and nervous system function to generate behavior, emotion and cognition. Neuroscience is highly interdisciplinary, integrating biology, psychology, chemistry, physics and computer science. Exploring the complexity of the nervous system requires analyses at multiple levels. Neuroscientists investigate how genes and molecules regulate nerve cell function (cellular/molecular neuroscience), explore how neural systems produce integrated behaviors (behavioral neuroscience), seek to understand how neural substrates create mental processes and thought (cognitive neuroscience) and use mathematics and computer models to comprehend brain function (computational neuroscience). By studying how the nervous system functions normally, neuroscientists also hope to better understand devastating neurological and psychiatric disorders.

## Research in Neuroscience

All of the neuroscience faculty are actively engaged in laboratory research, and we encourage students to become involved in research as early as possible in their time at Wellesley. Information about specific faculty research projects is found on the [neuroscience website](#). The research endeavor is supported by modern instrumentation such as a laser confocal microscope, a state-of-the-art animal facility including a surgery room and full-time staff, and a suite of instruments for genomic and proteomic analyses.

## Neuroscience Faculty



**Row 1:** Deb Bauer, Sharon Gobes, Courtney Marshall, Ginny Quinan

**Row 2:** Marc Tetel, Sara Wasserman, Mike Wiest

**Row 3:** Neuroscience Advisory Committee: Christen Deveney (PSYC), Heather Mattila (BISC), Mathew Tantama (CHEM)

## Student Representatives



**Row 1:** Allyssa Lima '24, Chizi Onuora '25

## Contact information

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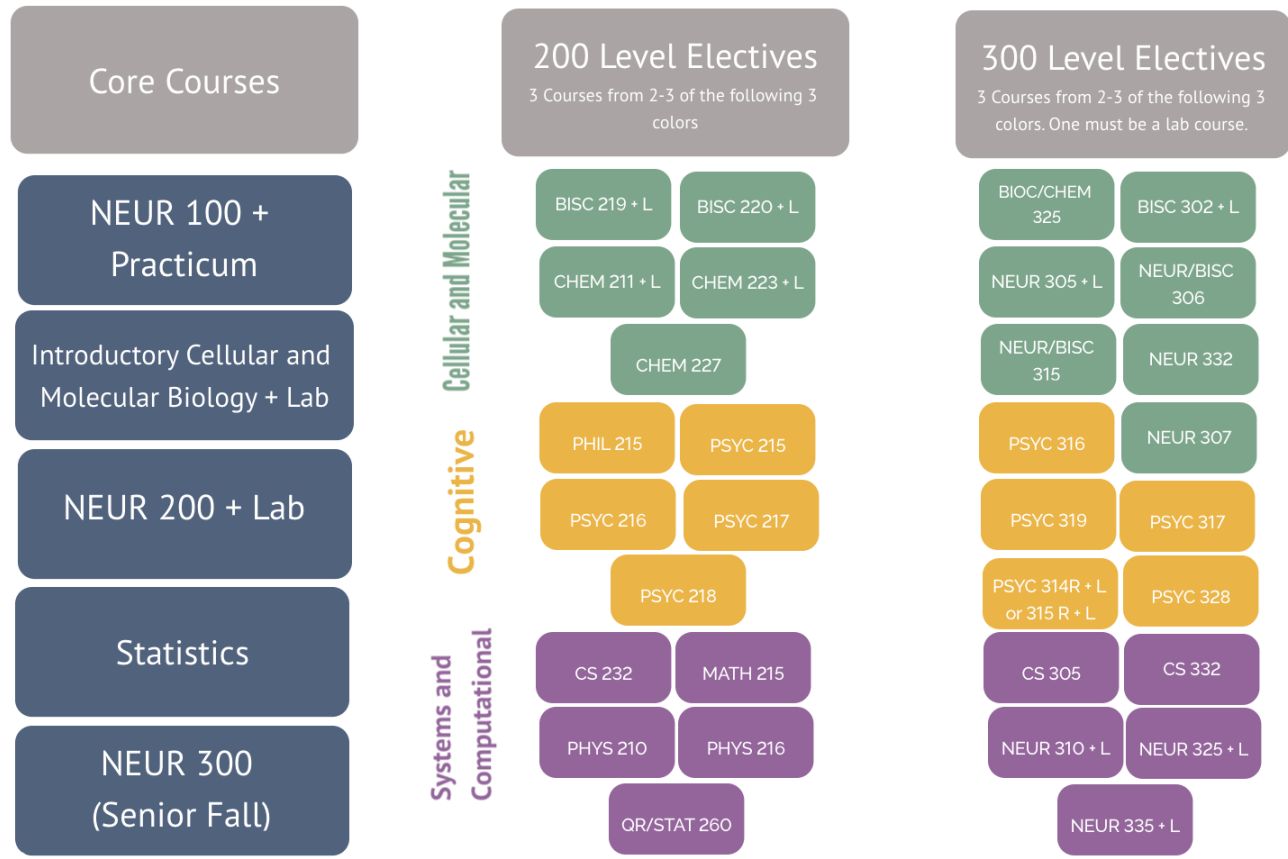
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## Neuroscience Major Requirements

The major in Neuroscience includes 5 core courses plus 6 electives chosen from three broad topic areas:

- cellular and molecular neuroscience
- cognitive neuroscience
- systems and computational neuroscience.



[For an interactive version of this graphic with information on prerequisites and more please click here.](#)

[View the Wellesley course catalog for additional information about specific courses.](#)

**Click the relevant link on our website to learn more about:**

- [Diversity, Equity & Inclusion in Neuroscience](#)
- [Summer Research Opportunities](#)
- [“Alumnae Neuroscience News,” what alums are doing with their neuroscience major](#)