





## Neuroscience ILM

The neuroscience integrated learning major (ILM) is complemented by majors spanning multiple colleges at SU. This program requires coursework in at least three traditional academic departments and then elective coursework allows students to pursue interests in a variety of departments, reflecting the diverse fields that constitute contemporary neuroscience.

Examples of the ILM's complementary nature to the student's primary major include:

- Connecting neurological issues like aphasia, voice disorders and other direct neural dysfunctions to the Communication Sciences and Disorders major.
- Learning biological substrates underlying cognition and consciousness to relate to the philosophy major.
- Tying the physical basis of cognition and behavior to the psychology of the mind.



*Neuroscience Research Day, Syracuse University*

### Affiliated Academic Units

There are numerous disciplines involved in the ILM at Syracuse including:

- Biology
- Biomedical and Chemical Engineering
- Communication Sciences and Disorders
- Exercise Science
- Psychology
- Public Health, Food Studies, & Nutrition

### Common majors that are paired with the neuroscience integrated learning major are...

Biology, Biochemistry, Communication Sciences & Disorders (CSD), Linguistics, Philosophy, Physics, Psychology, Bioengineering and Chemical Engineering...however, students can opt to pair it with any major that they choose!

### Neuroscience Day

Yearly, our departments get together for an annual Neuroscience Day to discuss cutting edge research.



### ILM Coursework

Entry courses include an introduction to neuroscience and a cognitive neuroscience course. These are then followed by courses on the intersection of mind and brain including cognitive psychology, introduction to cognitive science, cognitive neuroscience of speech and language, and advanced neuroscience.

These required courses are supplemented by elective courses from outside of the student's primary major in the fields of biology, communication sciences and disorders, linguistics, mathematics, philosophy, physics, psychology, biomedical and chemical engineering, computer sciences, or a combination thereof.

Finally, the capstone course, Neuroscience in the Arts, the Sciences, and Society, examines how research in neuroscience touches on diverse problems beyond the laboratory.

**Syracuse University**