

NEUROSCIENCE: Cellular & Molecular

2009-2010

Department of Biology
255 Biology Life Sciences Building
(215) 204-8851
<http://www.temple.edu/neuroscience>

Chairperson:
Dr. Shohreh Amini
Faculty Advisors:
Dr. Edward Gruberg
Dr. Joel Sheffield

Name: _____ TU ID: _____

Bachelor of Science

Recommended Sequence of Major Courses:

- General Chemistry I: Chem 1031 _____
- General Chemistry Lab I: Chem 1033 _____
- Calculus I: Math 1041 _____
- Fundamentals of Neuroscience: NSI 1051 _____
- Introduction to Biology: Bio 1111 _____
- General Chemistry II: Chem 1032 _____
- General Chemistry Lab II: Chem 1034 _____
- Calculus II: Math 1042 _____

- Introduction to Biology: Bio 2112 _____
- Organic Chemistry I: 2201 _____
- Organic Chemistry Lab I: 2203 _____
- Genetics: Bio 2203^S _____
- Systems Neuroscience**: Bio 3352^S _____
- Organic Chemistry II: 2202 _____
- Organic Chemistry Lab II: 2204 _____

- Cell Structure and Function: Bio 3096^F _____
- Neuroscience Elective* _____
- General Physics I: Physics 2021^F _____
- Cellular & Molecular Neuroscience: Bio 3358 _____
- Neuroscience Elective* _____
- General Physics II: Physics 2022^S _____
- Make an Appointment for a Graduation Review _____

- Neuroscience Research or Independent Study _____
- Neuroscience Elective* _____
- Neuroscience Research or Independent Study _____
- Neuroscience Elective* _____

CST Credit Requirements:

A minimum of **123** total credits

A minimum of **45** Upper Level (UL) within
CST/CLA (College of Science & Technology/College
of Liberal Arts)

A minimum of **90** credits within CST/CLA

*Students must check the pre- and co-requisites for all courses before registering.

****Please Note:**

*Bio 3352 will have the following prerequisites: Students must receive a C or better in each of the following courses: Math 1041(C085), Math 1042(0086), Bio 1111 (0101), and Bio 2112(0102). Students must also receive a C- or better in Chem 2201(0121).

*Further Neuroscience courses will have the following prerequisites: Students must receive a B- or better in Bio 3352(0352).

Math Placement Results: Math 0701 Math 0702 Math 1021 Math 1022 Math 1041

NOTES:

^F = Fall Only ^S = Spring Only

***Neuroscience Electives:** Students are required to take four advanced neuroscience electives from the approved list. Two electives must be within CST. Please refer to the bulletin for elective options at http://www.temple.edu/bulletin/Academic_programs/academic_programs.shtm

The Undergraduate bulletin is the official source of major requirements at www.temple.edu/bulletin

Suggested Courses:

Appt Date: __/__/__ Time: __: __
1810 Liacouras Walk, Suite 203

Revised Date: _____
Advisor Initials: _____

Revised Date: _____
Advisor Initials: _____

Revised Date: _____
Advisor Initials: _____

Revised Date: _____
Advisor Initials: _____

University Requirements

Appropriate University Curriculum: Gen Ed Freshman Traditional Core Core 45+ Core-to-Core

Gen Ed Curriculum

For Freshman Beginning Fall 2008 and after:

- Analytical Reading and Writing _____
- Mosaic I _____
- Mosaic II _____
- Quantitative Literacy _____
- Arts _____
- Human Behavior _____
- U.S. Society _____
- World Society _____
- Race and Diversity _____
- Science and Technology _____
- Science and Technology _____

Bachelor of Arts (BA) Only

- 2nd level of a Language _____

Note: Gen Ed curriculum applies to all newly admitted freshman in Fall 2008 or after and for all transfer students admitted Fall 2010 and after.

Core Curriculum

For transfers entering from Fall 2008 through Spring 2010 with 45 or fewer credits.

Traditional Core:

- English 802/812 _____
- American Culture _____
- Arts _____
- Individual and Society _____
- Studies in Race _____
- Foreign Language 2nd level* _____
- Foreign Language 3rd level* _____
- International Studies* _____
- International Studies* _____
- Science and Technology (SA) _____
- Science and Technology (SB/GS) _____
- Quantitative Reasoning (QA/GQ) _____
- Quantitative Reasoning (QB/GQ) _____
- Intellectual Heritage 0851 _____
- Intellectual Heritage 0852 _____
- Writing Intensive Elective _____
- Writing Intensive Elective _____
- Writing Intensive in Major _____

* **B.S.**

2 International Studies (IS/GG) or
2nd level of a language + 1 IS/GG or
3rd level of a language or Exemption^

* **B.A.**

2nd level of a language + 2 IS/GG or
3rd level/ Exempt^ + 1 IS/GG

English Placement Results:

English 701/711 English 802/812 Exempt

Foreign Language Placement Results:

_____ 1001 1002 1003 Exempt

All transfer students are required to complete the **Library Skills Test (TILT)** online at www.library.temple.edu.

Please consult with your assigned academic advisor if you have questions about the university curriculum you should be following.

The Undergraduate bulletin is the official source of University core or general education requirements at www.temple.edu/bulletin.

Revised Date: _____ Revised Date: _____
Advisor Initials: _____ Advisor Initials: _____

Revised Date: _____ Revised Date: _____
Advisor Initials: _____ Advisor Initials: _____

Core 45+:

For students receiving 45 or more credits in transfer.

- English 802/812 _____
- American Culture _____
- Arts _____
- Individual and Society _____
- Studies in Race _____
- Science and Technology (SA or SB) _____
- Quantitative Reasoning (QA or QB) _____
- Intellectual Heritage 0851 or 0852 _____
- Writing Intensive Elective (Must be taken at Temple) _____
- Writing Intensive in Major (Must be taken at Temple) _____
- Foreign Language 2nd level** _____
- Foreign Language 3rd level** _____
- International Studies** _____
- International Studies** _____

** **B.S.**

1 International Studies (IS/GG) or
2nd level of a language/Exempt^

** **B.A.**

2nd level of a language + 2 IS/GG or
3rd level/ Exempt^ + 1 IS/GG

Core-to-Core:

For students who have completed an approved Associate's degree from a college that has an established transfer agreement.

- Writing Intensive Elective (Must be taken at Temple) _____
 - Writing Intensive in Major (Must be taken at Temple) _____
- B.A.**—Must follow the traditional core foreign language/IS/GG requirements