# Biochemistry

**Department of Biology**  
255 Bio-Life Building  215-204-8851  
Chairperson: Dr. Allen Nicholson  
Faculty Advisor: Dr. Frank Chang  
[www.temple.edu/biology](http://www.temple.edu/biology)

**Department of Chemistry**  
130 Beury Hall (215) 204-7118  
Chairperson: Dr. Robert Levis  
Faculty Advisors: Dr. David Dalton, Dr. Spiridoula Matsika, Dr. Robert Stanley  
[www.temple.edu/chemistry](http://www.temple.edu/chemistry)

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**Name:**

**Recommended Sequence of Major Courses:**

- Calculus I: Math 1041
- General Chemistry I: Chem 1031
- General Chemistry Lab I: Chem 1033
- Introduction to Biology: Bio 1111
- Calculus II: Math 1042
- General Chemistry II: Chem 1032
- General Chemistry Lab II: Chem 1034
- Introduction to Biology: Bio 2112
- Organic Chemistry I: 2201
- Organic Chemistry Lab I: 2203
- General Physics I: Physics 2021 [or Physics 1061]
- Genetics: Bio 2296
- Organic Chemistry II: 2202
- Organic Chemistry Lab II: 2204
- General Physics II: Physics 2022 [or Physics 1062]
- Calculus III: Math 2043
- Cell Structure and Function: Bio 3096
- Techniques of Chemical Measurement: Chem 3103
- Introduction to Chemical Research Techniques: Chem 3105
- Biochemistry I: Chem 4401
- Physical Chemistry Lecture I: Chem 3301 or Physical Chemistry of Biomolecules: Chem 3405
- Biochemistry II: 4376
- Molecular Biology: Bio 3324
- Research Techniques in Biochemistry: Bio 4344
- Biochemistry Elective*
- Biochemistry Elective*

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**CST Credit Requirements:**

- **123 minimum** total credits
- **90 minimum** CST/CLA credits
- **45 minimum** upper-level (2000+) CST/CLA credits

**Backtracking rule:** Credit for some courses two or more levels below previously completed coursework cannot be used towards the degree.

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**Graduation Review:**

At the completion of **90 credits**, or when one or two semesters of coursework remain, schedule your graduation review with the CST Advising Office.

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**Placement:**

- **Math:**
- **English:**
- **FL:**

**Notes:**

- Fall Only
- Spring Only

Please check all pre- and co-requisites for courses before registering.

* Refer to the Bulletin for elective course options

The Undergraduate Bulletin is the official source for major requirements: [www.temple.edu/bulletin](http://www.temple.edu/bulletin)

**Suggested Courses:**

- ________________
- ________________
- ________________

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**Date:**

**Advisor:**

**Student:**

**Date:**

**Advisor:**

**Student:**
### Gen Ed Curriculum

#### Gen Ed Traditional:
- □ Analytical Reading & Writing: Eng 0802________
- □ Mosaic I: Intel Heritage 0851 ____________
- □ Mosaic II: Intel Heritage 0852__________
- □ US Society _______________
- □ Human Behavior _______________
- □ Arts _______________
- □ Diversity and Race _______________
- □ Global/World Society _______________
- □ Quantitative Literacy * ____________
- □ Science and Technology * ____________
- □ Science and Technology * ____________

* May be waived based on major courses

#### Bachelor of Arts (BA) Only
- □ 2-nd level of a Language ____________

#### Gen Ed 45+ (45 or more transfer credits):
- □ Analytical Reading & Writing: Eng 0802________
- □ Mosaic I or II: Intel Heritage 0851 or 0852 ______
- □ US Society * _______________
- □ Human Behavior * ____________
- □ Arts * _______________
- □ Diversity and Race _______________
- □ Global/World Society _______________

*2 of the 3

#### Gen Ed-to-Gen Ed:
Transfer students with a pre-approved Associate’s degree from an institution that has an established transfer agreement with Temple have satisfied their GenEd requirements, with the following exception for BA students:

**Bachelor of Arts (BA) Only**
- □ 2-nd level of a Language ____________

### Gen Ed online:
- www.temple.edu/gened
- www.temple.edu/vpus/transfer/TransferGenEd.htm

### University Core:
Students who were admitted as freshmen prior to fall 2008, or were admitted as transfers prior to fall 2010, follow the University Core curriculum instead of the Gen Ed curriculum.

### Undergraduate Bulletin:
The Undergraduate Bulletin is the official reference for University Requirements at: www.temple.edu/bulletin.

### Note:
No more than two courses from the same department may be used to satisfy GenEd requirements. GenEd courses may not be used to satisfy major requirements.

| Date: _________ | Date: _________ |
| Advisor: _________ | Advisor: _________ |
| Student: _________ | Student: _________ |
| Date: _________ | Date: _________ |
| Advisor: _________ | Advisor: _________ |
| Student: _________ | Student: _________ |

**Note:** Students must complete at least 2 Writing-Intensive (WI) courses within the major, to be taken at Temple. These must be specific courses or course combinations within the major, or electives required for the major. These courses must be taken at Temple University. Writing-Intensive courses are numbered XX96, XX97, or XX98.