# Bachelor of Science

### Recommended Sequence of Major Courses:

- Program Design & Abstraction: CIS 1068 or 1968
- Calculus I: Math 1038 or 1041 or 1941
- Math Concepts in Computing I: CIS 1166 or 1966
- Calculus II: Math 1042 or 1942
- Calculus III: Math 2043 or 2943
- Linear Algebra: Math 2101 or 2103
- Data Structures: CIS 2168
- Computer Sys & Low-Level Programming: CIS 2107
- Probability Theory I: Math 3031
- Basic Concepts of Math: Math 2111
- Intro to Sys Programming & Operating Sys: CIS 3207
- Numerical Analysis: Math 3043 or Real & Complex Analysis I: Math 3137
- General Chemistry I & Lab: Chem 1031/1033 or 1951
- Physics I: Phys 1061 or 1961 or 2021 or 2921
- Data Structures & Algorithms: CIS 3223
- Real & Complex Analysis II: Math 3138 or Math Elective with faculty advisor approval: (3000+)**
- General Chemistry II & Lab: Chem 1032/1034 or 1952/1953
- Physics II: Phys 1062 or 1962 or Phys 2022 or 2922
- Make an Appointment for a Graduation Review
- Software Design: CIS 3238 OR CIS Elective with faculty advisor approval: (3000+)**
- Intro to Modern Algebra: Math 3096 OR Modern Algebra: Math 3098
- Independent Research: CIS 4397 OR Projects in Computer Science: CIS 4398 OR Senior Problem Solving: Math 4096

### CST Credit Requirements:
- 123 minimum total credits
- 90 minimum CST/CLA credits
- 45 minimum upper-level (2000+)

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

### Graduation Review:

Graduation reviews are required. Schedule your graduation review with the CST Advising Office in the spring semester of your junior year.

**CAPSTONE NOTE:** CIS 3238 is the prerequisite for CIS 4397 and 4398, so it should be taken as a CIS 3000+ elective if you plan to take the CIS 4397 or 4398 as your capstone course. Math 3138 one of the prerequisites for Math 4096, so it should be taken as a Math 3000+ elective if you plan to take Math 4096 as your capstone.

### Placement:

**Math:**

**English:**

**FL:**

**Notes:**

* Students who choose Math 1038 must also take the corresponding section of the linked course Math 1039

**Refer to the Bulletin for elective course options. All electives require faculty advisor approval.

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

### Office Use Only:

CR Path: __________

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**Suggested Courses:****

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Notes:

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# University Requirements 2016-2017

**Appropriate University Curriculum:** Gen Ed Traditional | Gen Ed 45+ | Gen Ed-to-Gen Ed

## Gen Ed Curriculum

### Gen Ed Traditional:

- □ Analytical Reading & Writing: Eng 0802________
- □ Mosaic I: Intel Heritage (IH) 0851___________
- □ Mosaic II: Intel Heritage (IH) 0852___________
- □ US Society (GU)___________
- □ Human Behavior (GB)___________
- □ Arts (GA)________________
- □ Diversity and Race (GD)___________
- □ Global/World Society (GG)___________
- □ Quantitative Literacy (GQ)**__________
- □ Science and Technology (GS)**__________

**May be satisfied through major coursework**

### Bachelor of Arts (BA) Only

- □ 2nd level of a Language __________

### Gen Ed online:

- [www.temple.edu/gened](http://www.temple.edu/gened)
- [www.temple.edu/vpus/transfer/TransferGenEd.htm](http://www.temple.edu/vpus/transfer/TransferGenEd.htm)

## Gen Ed 45+ (45 or more transfer credits):

- □ Analytical Reading & Writing: Eng 0802________
- □ Mosaic I or II: Intel Heritage (IH) 0851 or 0852 __
- □ US Society (GU)*___________
- □ Human Behavior (GB)*__________
  - □ Arts (GA)*_______________
  - □ Diversity and Race (GD)___________
- □ Global/World Society (GG)___________
- □ Quantitative Literacy (GQ)**__________
- □ Science and Technology (GS)**__________

**May be satisfied through major coursework**

### Bachelor of Arts (BA) Only

- □ 2nd level of a Language __________

## 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

- □ 2nd level of a Language __________

## 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: [http://bulletin.temple.edu](http://bulletin.temple.edu)

### 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.