# Applied Mathematics

## Department of Mathematics
632 Wachman Hall (215) 204-7639  
Chair: Dr. Irina Mitrea  
Faculty Advisors: Dr. Boris Datskovsky & Dr. Maria Lorenz  
www.temple.edu/math

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

**Backtracking rule:** Credit for courses 2 or more levels below previously completed coursework cannot be used towards the degree.

### Bachelor of Science

#### Recommended Sequence of Major Courses:

- □ Calculus I: Math 1038* or 1041 or 1941**  
- □ Physics I: Phys 1061 or 1961** or 2021 or 2921**  
- □ Programming Course: CIS 1053 or 1057  
- □ Calculus II: Math 1042 or 1942**  
- □ Physics II: Phys 1062 or 1962** or 2022 or 2922**  
- □ Calculus III: Math 2043 or 2943**  
- □ Linear Algebra w/Computer Lab: Math 2103**  
- □ Probability Theory I: Math 3031  
- □ Diff Equations w/Computer Lab: Math 3046**  
- □ Basic Concepts of Math: Math 2111  
- □ Numerical Analysis I: Math 3043**  
- □ Advanced Calculus I: Math 3141**  
- □ Numerical Analysis II: Math 3044**  
- □ Advanced Calculus II: Math 3142**  
- □ Make an Appointment for a Graduation Review  
- □ Complex Analysis: Math 4051**  
- □ Intro to Modern Algebra: Math 3096 OR Modern Algebra: Math 3098**  
- □ Applied Mathematics: Math 4043**  
- □ Senior Problem Solving: Math 4096  
- □ Math Elective w/ Faculty Advisor Approval: Math 3000+

**Placement:**  
Math:  
English:  
FL:

**Notes:**  
*F*= Fall Only  
*S*=Spring Only  
**H**=Honors Students Only  
Please check all pre- and co-requisites for courses before registering.

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

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

**Suggested Courses:**

- __________________________  
- __________________________  
- __________________________  
- __________________________  
- __________________________

**NOTES:**

- __________________________  
- __________________________  
- __________________________  
- __________________________

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**Office Use Only**: CR Path ________________
### 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 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**
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#### 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:
  - [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.

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**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.