## TUtecth

### Mathematics & Technology with Teaching 2015-2016

**Department of Mathematics**  
638 Wachman Hall  215-204-7841  

**Content Advisors:** Dr. Boris Datskovsky & Dr. Maria Lorenz (Math) Dr. Dennis Silage(Engineering)  

**Program Director:**  
Dr. Susan Varnum  

**Master Teacher/Faculty Advisor:**  
Ms. Kathleen McKinley  

**Academic Advisor:** Kenneth Ruff  
http://www.temple.edu/mathematics

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### CST Credit Requirements:

- **124 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.

Admission to candidacy is required to complete this degree. This includes, but is not limited to, a 3.0 minimum GPA and a passing score in the PRAXIS I/PAPA Teacher Certification Exam.

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**The B.S. with Teaching in Mathematics & Technology provides broad training in Mathematics & Engineering, and prepares students for a career in secondary school teaching. Please note: PA Certification requires passing scores in the PRAXIS I/PAPA and PRAXIS II Teacher Certification Exams.**

### Recommended Sequence of Major Courses for Bachelor of Science:

- **□ Calculus I:** Math 1038* or 1041 or 1941**  
- **□ Physics I:** Phys 1061 or 2021 or 2921**  
- **OR General Chem I & lab:** Chem 1031/1033 or 1951**/1953**  
- **□ TUtecth Step 1 & 2:** SCTC 1389  
- **□ Calculus II:** Math 1042 or 1942**  
- **□ Physics II:** Phys 1062 or 2022 or 2922**  
- **OR General Chem II & lab:** Chem 1032/1034 or 1952**/1954**  
- **□ Intro to Engineering:** ENGR 1101  
- **□ Schedule PAPA Exam**  
- **□ Linear Algebra:** Math 2101 or 2103**  
- **□ Calculus III:** Math 2043 or 2943**  
- **□ Engineering Graphics:** ENGR 1117  
- **□ TUtecth Knowing and Learning:** Ed 2179  
- **□ Basic Concepts of Math:** Math 2111  
- **□ Probability Theory I:** Math 3031  
- **□ TUtecth Functions & Modeling:** Math 2021**  
- **□ TUtecth Special Ed 2231**

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### 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.

**Notes:**

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

**Please refer to the Undergraduate Bulletin for elective course options.**

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

**Office Use Only:** CR Path [ ] Test Codes Added/Removed [ ]
## University Requirements 2015-2016

### Appropriate University Curriculum:

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<th>Gen Ed-to-Gen Ed</th>
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#### 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)**

**Students who complete TUteach majors typically receive a waiver for 1 GB, 2 GS, and 1 GQ courses.**

- **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

#### 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)

#### 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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Date:    __________  Date:    __________  
Advisor: __________  Advisor: __________  
Student: __________  Student: __________  
Date:    __________  Date:    __________  
Advisor: __________  Advisor: __________  
Student: __________  Student: __________  
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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.