TUteach
Mathematics & Technology with Teaching 2014-2015

Department of Mathematics
638 Wachman Hall  215-204-7841

Content Advisors: Dr. Boris Datskovsky (Math)
(Engineering)
Program Director:
Dr. Doug Baird
Master Teacher/Faculty Advisor:
Ms. Kathleen McKinley
Academic Advisor: Kenneth Ruff
www.temple.edu/

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 1/PAPA Teacher Certification Exam.

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.

Name: ___________________  TUID: ___________

Recommended Sequence of Major Courses for Bachelor of Science:

- □ Calculus I: Math 1041 _______
- □ Elementary Classical Physics I: Physics 1061 OR General Chem I & lab: Chem 1031/1033 _______
- □ Intro to Engineering: ENGR 1102 _______
- □ TUteach Step 1 & 2: CST 1389 _______
- □ Calculus II: Math 1042 _______
- □ Elementary Classical Physics II: Physics 1062 OR General Chem II & lab: Chem 1032/1034 _______
- □ Engineering Graphics: ENGR 1117 _______
- □ Schedule PAPA Exam
- □ Linear Algebra: Math 2101 or 2103 _______
- □ Calculus III: Math 2043 _______
- □ Probability Theory I: Math 3031 _______
- □ TUteach Knowing and Learning: Ed 2179 _______
- □ Theory of Numbers: Math 3003 _______
- □ Math Elective: Math (3000) _______
- □ TUteach Functions & Modeling: Math 2021 _______
- □ TUteach Special Ed 2231 _______
- □ Make an Appointment for Candidacy Review
- □ Real & Complex Analysis I: Math 3137F _______
- □ Engineering Concentration Elective: ENGR _______
- □ TUteach Diff Lit. Instr. in the Dis., 7-12: Sec Ed 3796 _______
- □ TUteach Persp. On Science & Math: Phil 2196F _______
- □ Real & Complex Analysis II: Math 3138S _______
- □ Intro to Modern Algebra: Math 3096S _______
- □ TUteach Classrm Interact: Math or Sci Ed 2189S _______
- □ TUteach Research Methods: Phys 3091S _______
- □ Make an Appointment for a Graduation Review
- □ Modern Geometry I: Math 3061F _______
- □ Math Elective: Math (3000+) _______
- □ Engineering Concentration Elective: ENGR _______
- □ TUteach P.B.I: Math or Science Ed 4189F _______
- □ Senior Problem Solving: Math 4096 _______
- □ TUteach Apprentice Teaching: Ed 4388 _______
- □ TUteach Apprentice Teaching Sem: Ed 4802 _______

Placement: Math: _______  English: _______  FL: _______

Notes:

F = Fall Only  S = Spring Only
Please check all pre- and co-requisites for courses before registering.
*Please refer to the online bulletin for elective course options.
The Undergraduate Bulletin is the official source for major requirements: www.temple.edu/bulletin.

Suggested Courses:

_________________________
_________________________
_________________________
_________________________

Notes:

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□ F4
### University Requirements 2014-2015

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

#### Gen Ed Curriculum

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<th><strong>Gen Ed Traditional:</strong></th>
<th><strong>Gen Ed to-Gen Ed:</strong></th>
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| □ Analytical Reading & Writing: Eng 0802________ | 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** |
| □ Mosaic I: Intel Heritage (IH) 0851 ______________ | □ 2nd level of a Language ______________ |
| □ 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)** ______________ | |
| □ Science and Technology (GS)** ______________ | |

** may be waived based on major courses

** 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: [www.temple.edu/bulletin](http://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.