**TUteach**  
**Mathematics & Technology with Teaching**  
2013-2014

**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:** Lisa Mathason  
www.temple.edu/

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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 1/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 1/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: CST 1189 ______
- □ Calculus II: Math 1042 ______
- □ Elementary Classical Physics II: Physics 1062 OR General Chem II & lab: Chem 1032/1034 ______
- □ Engineering Graphics: ENGR 1117 ______
- □ TUteach Step 2: CST 1289 ______
- □ Schedule PAPA Exam  
- □ Linear Algebra: Math 2101 ______
- □ 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 3091 S ______
- □ 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 4096S ___
- □ 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:**

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**Notes:**

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<tr>
<th>Gen Ed Traditional:</th>
<th>Gen Ed-to-Gen Ed:</th>
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<tbody>
<tr>
<td>□ Analytical Reading &amp; Writing: Eng 0802____</td>
<td>Transfer students with a pre-approved Associate's degree from an institution that has an established</td>
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<tr>
<td>□ Mosaic I: Intel Heritage 0851 ____________</td>
<td>transfer agreement with Temple have satisfied their GenEd requirements, with the following exception</td>
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<tr>
<td>□ Mosaic II: Intel Heritage 0852____________________</td>
<td>for BA students:</td>
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<tr>
<td>□ US Society ____________________________</td>
<td>Bachelor of Arts (BA) Only</td>
</tr>
<tr>
<td>□ Human Behavior ____________________________</td>
<td>□ 2ⁿ level of a Language ____________</td>
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<td>□ Arts ________________________________</td>
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<td>□ Diversity and Race ____________________________</td>
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<tr>
<td>□ Global/World Society ____________________________</td>
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<td>□ Quantitative Literacy ** ____________</td>
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<td>□ Science and Technology ** ____________</td>
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<td>** may be waived based on major courses</td>
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** Bachelor of Arts (BA) Only**

□ 2ⁿ level of a Language ____________

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<thead>
<tr>
<th>Gen Ed 45+ (45 or more transfer credits):</th>
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<tbody>
<tr>
<td>□ Analytical Reading &amp; Writing: Eng 0802____</td>
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<tr>
<td>□ Mosaic I or II: Intel Heritage 0851 or 0852 ____</td>
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<tr>
<td>□ US Society * ______________                                                         *2 of the 3</td>
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<tr>
<td>□ Human Behavior * ______________</td>
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<td>□ Arts * ______________</td>
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<tr>
<td>** may be waived based on major courses</td>
</tr>
</tbody>
</table>

** Bachelor of Arts (BA) Only**

□ 2ⁿ level of a Language ____________

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.