TUteach
Mathematics & Computer Science with Teaching 2013-2014

Department of Computer & Information Sciences
303 Wachman Hall  215-204-8450

Content Advisors: Dr. Boris Datskovsky (Math)
Dr. Anthony Hughes (Computer Science)

Program Director:
Dr. Doug Baird

Master Teacher/Faculty Advisor:
Ms. Kathleen McKinley

Academic Advisor: Kenneth Ruff
www.temple.edu/cis

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.

The B.S. with Teaching in Mathematics & Computer Science provides broad training in Mathematics & Computer Science, 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 ______
- □ TUteach Step 1: CST 1189 ______
- □ Program Design & Abstraction: CIS 1068 ______
- □ Calculus II: Math 1042 ______
- □ Elementary Classical Physics II: Physics 1062 ______
- □ Math Concepts in Computing: CIS 1166 ______
- □ TUteach Step 2: CST 1289 ______
- □ Schedule PAPA Exam
- □ Linear Algebra: Math 2101 ______
- □ Calculus III: Math 2043 ______
- □ Data Structures: CIS 2168 ______
- □ TUteach Knowing and Learning: Ed 2179 ______
- □ Theory of Numbers: Math 3003 ______
- □ Comp Sys & Low-Level Prog: CIS 2107 ______
- □ TUteach Functions & Modeling: Math 2021 ______
- □ TUteach Special Ed 2231 ______
- □ Make an Appointment for Candidacy Review
- □ Real & Complex Analysis I: Math 3137F ______
- □ TUteach Diff Lit. Instr. in the Dis., 7-12:Sec Ed 3796 ______
- □ TUteach Persp. On Science & Math: Phil 2196F ______
- □ Math Concepts in Computing II: CIS 2166 ______
- □ 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 ______
- □ TUteach P.B.I: Math or Science Ed 4189F ______
- □ Senior Problem Solving: Math 4096F ______
- □ TUteach Apprentice Teaching: Ed 4388 ______
- □ TUteach Apprentice Teaching Sem: Ed 4802 ______

Placement: Math: [ ] English: [ ] FL: [ ]

Notes:
- □ Make an Appointment for a Graduation Review
- □ Modern Geometry I: Math 3061F ______
- □ TUteach P.B.I: Math or Science Ed 4189F ______
- □ Senior Problem Solving: Math 4096F ______
- □ TUteach Apprentice Teaching: Ed 4388 ______
- □ TUteach Apprentice Teaching Sem: Ed 4802 ______

*Please refer to the online bulletin for elective course options.
The Undergraduate Bulletin is the official source for major requirements: www.temple.edu/bulletin.

□ CR Path
### University Requirements 2013-2014

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<th>Appropriate University Curriculum:</th>
<th>Gen Ed Traditional</th>
<th>Gen Ed 45+</th>
<th>Gen Ed-to-Gen Ed</th>
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**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
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.

**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.

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.