TUteach
Mathematics & Computer Science with Teaching  2014-2015

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/PPA 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/PPA and PRAXIS II Teacher Certification Exams.

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<tr>
<th>Recommended Sequence of Major Courses for Bachelor of Science:</th>
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<tr>
<td>□ Calculus I: Math 1041 ______</td>
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<td>□ Elementary Classical Physics I: Physics 1061 ______</td>
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<td>□ TUteach Step 1 &amp; 2: CST 1389 ______</td>
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<td>□ Program Design &amp; Abstraction: CIS 1068 ______</td>
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<td>□ Calculus II: Math 1042 ______</td>
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<td>□ Elementary Classical Physics II: Physics 1062 ______</td>
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<td>□ Math Concepts in Computing: CIS 1166 ______</td>
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<td>□ Schedule PAPA Exam</td>
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<td>□ Linear Algebra: Math 2101 or 2103______</td>
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<td>□ Calculus III: Math 2043 ______</td>
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<td>□ Data Structures: CIS 2168______</td>
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<td>□ TUteach Knowing and Learning: Ed 2179 ______</td>
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<td>□ Theory of Numbers: Math 3003 ______</td>
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<td>□ Comp Sys &amp; Low-Level Prog: CIS 2107______</td>
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<td>□ TUteach Functions &amp; Modeling: Math 2021______</td>
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<td>□ TUteach Special Ed 2231 ______</td>
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□ Make an Appointment for Candidacy Review

□ Real & Complex Analysis I: Math 3137\*F______
□ TUteach Diff Lit. Instr. in the Dis., 7-12:Sec Ed 3796___
□ TUteach Persp. On Science & Math: Phil 2196\*F______

□ Math Concepts in Computing II: CIS 2166______

□ Real & Complex Analysis II: Math 3138\*S______
□ Intro to Modern Algebra: Math 3096\*S______
□ TUteach Classrm Interact: Math or Sci Ed 2189\*S______
□ TUteach Research Methods: Phys 3091\*S______

□ Make an Appointment for a Graduation Review

□ Modern Geometry I: Math 3061 \*F ________
□ TUteach P.B.I: Math or Science Ed 4189\*F______

□ Senior Problem Solving: Math 4096 ______
□ TUteach Apprentice Teaching: Ed 4388________
□ TUteach Apprentice Teaching Sem: Ed 4802_______

Placement: Math:  English:  FL:  Suggested Courses:  Notes:

□ CR Path
□ F4

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.
### University Requirements 2014-2015

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

#### 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)** _____________
- □ Science and Technology (GS)** _____________

**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)*___________  *2 of the 3
- □ Arts (GA)*_______________________
- □ Diversity and Race (GD)_____________
- □ Global/World Society (GG)___________
- □ Quantitative Literacy (GQ)** ____________
- □ Science and Technology (GS)** __________

**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.

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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.