TUteach
Mathematics & Computer Science with Teaching 2015-2016

Department of Computer & Information Sciences
304 Science Education & Research Center  215-204-8450

Content Advisors: Dr. Boris Datskovsky & Dr. Maria Lorenz (Math), Dr. Anthony Hughes (Computer Science)

Program Director:
Dr. Susan Varnum

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 1038* or 1041 or 1941H ____
☐ Elementary Classical Physics I: Phys 1061 OR General Physics I: Phys 2021 or 2921FH ____
☐ TUteach Step 1 & 2: SCTC 1389 _____
☐ Program Design & Abstraction: CIS 1068 or 1968H __

☐ Calculus II: Math 1042 or 1942H ____
☐ Elementary Classical Physics II: Phys 1062 OR General Physics II: Phys 2022 or 2922H ____
☐ Math Concepts in Computing I: CIS 1166 or 1966H __

☐ Schedule PAPA Exam
☐ Data Structures: CIS 2168 _____
☐ Calculus II: Math 2043 or 2943H _____
☐ Linear Algebra: Math 2101 or 2103F ______
☐ TUteach Knowing and Learning: Ed 2179 ______

☐ Basic Concepts of Math: Math 2111 _____
☐ 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 2196 OR The History of Science: SCTC 3001 _____

☐ Math Concepts in Computing II: CIS 2166 OR Theory of Numbers: Math 3003 _____
☐ Real & Complex Analysis II: Math 3138S_____
☐ Intro to Modern Algebra: Math 3096 _____
☐ TUteach Classrm Interact: Math Ed 2189S ______
☐ TUteach Research Methods: Phys 3091S_____
☐ Make an Appointment for a Graduation Review

☐ Modern Geometry I: Math 3061F________
☐ Senior Problem Solving: Math 4096_______
☐ TUteach P.B.I: Math Ed 4189F________

☐ TUteach Apprentice Teaching: Ed 4388________
☐ TUteach Apprentice Teaching Sem: Ed 4802_______

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.
* Students who choose Math 1038 must also take the corresponding section of the linked course Math 1039
The Undergraduate Bulletin is the official source for major requirements: http://bulletin.temple.edu

Suggested Courses:

Notes:

Office Use Only: CR Path________________ Test Codes Added/Removed____________________
## University Requirements 2015-2016

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<tr>
<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 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 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)**______________

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### 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
- 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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**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.