# Mathematics with Teaching 2010-2011

**Department of Mathematics**
632 Wachman Hall
(215) 204-7639

**Program Director:** Dr. Tom Walker & Dr. Doug Baird  
**Master Teacher/Faculty Advisor:** Dr. Herbert Green  
**Content Advisor:** Dr. Boris Datskovsky  
**Academic Advisor:** Lisa Mathason  
www.temple.edu/mathematics

**CST Credit Requirements:**
- A minimum of 124 total credits  
- A minimum of 45 Upper Level (UL) within CST/CLA (College of Science & Technology/College of Liberal Arts)  
- A minimum of 90 credits within CST/CLA  
- A 3.0 grade point average is required to obtain a Pennsylvania teaching certificate  
- The PRAXIS must be successfully completed in order to obtain a teaching certificate

**The B.S. with Teaching in Mathematics is a “TUteach” program. It provides broad training in Mathematics, and prepares students for a career in secondary school teaching.**

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<th>Name: ____________________________</th>
<th>TU ID: ____________</th>
<th>Degree: BS</th>
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**Bachelor of Science**  
Recommended Sequence of Major Courses:

- **□ Calculus I: Math 1041**  
- **□TUteach Step 1: CST 1189**  
- **□Programming course: CIS 1053, 1057, or 1068:**  
- **□Calculus II: Math 1042**  
- **□Elementary Classical Physics I: Phys 1061**  
- **□TUteach Step 2: CST 1289**  
- **□Intro to Modern Algebra: Math 3096$**  
- **□Real & Complex Analysis I: Math 3137$**  
- **□Functions & Modeling: Math 2021**  
- **□TUteach Persp. on Sci & Math: Phil 2196**  
- **□Intro to Probability Theory: Math 3031**  
- **□Math Elective: Math 3000+/**  
- **□Real & Complex Analysis II: Math 3138$**  
- **□Research Methods: Bio/Chem/EES/Phys 3091**  
- **□Reading Problems in the Secondary School: Secondary Ed 3796**  

| □ Calculus III: Math 2043  
□Elementary Classical Physics II: Phys1062  
□TUteach Knowing and Learning: Ed 2179  
□Linear Algebra: Math 2101  
□Theory of Numbers: Math 3003  
□Math 2196 or Math Elective: Math 3000+  
□TUteach Classroom Interactions: Math or Sci Ed 2189  
□Make an Appoint. for a Graduation Review  
□Modern Geometry I: Math 3061$  
□TUteach Project-Based Instruction: Math or Sci Ed 4189  
□Senior Problem Solving Sem.: Math 4096$  
□TUteach Apprentice Teaching: Ed 4388  
□TUteach Apprentice Teaching Sem: Ed 4802 |

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<tr>
<th>Math Placement Results: Math 701</th>
<th>Math 0702</th>
<th>Math 1021</th>
<th>Math 1022</th>
<th>Math 1041</th>
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**NOTES:**  
$F$ = Fall Only  
$S$ = Spring Only  
Students must check the pre– and co-requisites for all courses before registering.

*Please refer to the bulletin for Mathematics elective options at [http://www.temple.edu/bulletin/Academic_programs/academic_programs.shtm](http://www.temple.edu/bulletin/Academic_programs/academic_programs.shtm)*

The Undergraduate bulletin is the official source of major requirements at [www.temple.edu/bulletin](http://www.temple.edu/bulletin)

**Suggested Courses:**

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Revised Date: ______  
Advisor Initials: ___

Revised Date: ______  
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Revised Date: ______  
Advisor Initials: ___

Revised August 2010
## University Requirements

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

## Gen Ed Curriculum

### Gen Ed Traditional:
- Analytical Reading and Writing (GW)
- Mosaic I (GY)
- Mosaic II (GZ)
- U.S. Society (GU)
- Human Behavior (GB)
- Arts (GA)
- Race and Diversity (GD)
- World Society (GG)
- Quantitative Literacy (GQ)
- Science and Technology (GS)

### Bachelor of Arts (BA) Only
- 2nd level of a Language

### Gen Ed 45+ (45 or more transfer credits):
- Analytical Reading and Writing (GW)
- Mosaic I or II (GY or GZ)
- U.S. Society (GU)
- Human Behavior (GB)
- Arts (GA)
- Race and Diversity (GD)
- World Society (GG)
- Quantitative Literacy (GQ)
- Science and Technology (GS)

**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](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.

The Undergraduate Bulletin is the official reference for University Requirements at [www.temple.edu/bulletin](http://www.temple.edu/bulletin).

### English Placement Results:
- English 701/711
- English 802/812
- Exempt

### Foreign Language Placement Results:
- 1001
- 1002
- 1003
- Exempt

**Revised Date:**
- ________
- ________

**Advisor Initials:**
- ________
- ________
- ________
- ________

**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.