**MATHEMATICS with TEACHING 2009-2010**

**Department of Mathematics**

632 Wachman Hall  
(215) 204-7639  

**Program Director:** Dr. David Dalton & Dr. James Byrnes  
**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.

<table>
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<tr>
<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:** Physics 1061  
- **TUteach Step 2:** CST 1289

- **Intro to Modern Algebra:** Math 3096<sup>F</sup>  
- **Real & Complex Analysis I:** Math 3137<sup>F</sup>  
- **Functions & Modeling:** Math 2021  
- **TUteach Persp. on Sci & Math:** Phil 2196  
- **Intro to Probability Theory:** Math 3031  
- **Real & Complex Analysis II:** Math 3138<sup>S</sup>  
- **Research Methods:** Bio/Chem/EES/Phys 3091  
- **Rdg Problems in Sec School:** Sec Ed 3796

- **Make an Appoint. for a Graduation Review**

- **Calculus III:** Math 2043  
- **Elementary Classical Physics II:** Physics 1062  
- **TUteach Knowing and Learning:** Ed 2179  
- **Linear Algebra:** Math 2101  
- **TUteach Knowing and Learning:** Ed 2179

- **Modern Geometry I:** Math 3061<sup>F</sup>  
- **Math Elective:** Math 3000+  
- **TUteach Project-Based Instruction:** Math or Sci Ed 4189  
- **Senior Problem Solving Sem.:** Math or Sci Ed 4096<sup>S</sup>

- **Theory of Numbers:** Math 3003<sup>F</sup>  
- **Math Elective:** Math 3000+  
- **TUteach Classroom Interactions:** Math or Sci Ed 2189

- **TUteach Apprentice Teaching**  
- **TUteach Apprentice Teaching Seminar**

**Math Placement Results:** Math 701  Math 1021  Math 1022  Math 1041

**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:**

- ____________________________  
- ____________________________  
- ____________________________  
- ____________________________

**Appt Date:** ___/___/___  **Time:** ___

1810 Liacouras Walk, Suite 203

Revised on June 12, 2008
# University Requirements

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

### Gen Ed Curriculum

**Freshman or Transfers w/ fewer than 45 credits:**
- [ ] Analytical Reading and Writing
- [ ] Mosaic I
- [ ] Mosaic II
- [ ] Quantitative Literacy
- [ ] Arts
- [ ] Human Behavior
- [ ] U.S. Society
- [ ] World Society
- [ ] Race and Diversity
- [ ] Social Science
- [ ] Science and Technology

**Bachelor of Arts (BA) Only**
- [ ] 2nd level of a Language

**Note:** Gen Ed curriculum applies to all newly admitted freshman in Fall 2008 or after and for all transfer students admitted Fall 2010 and after.

### Core Curriculum

#### Traditional Core:

- [ ] English 802/812
- [ ] American Culture
- [ ] Arts
- [ ] Individual and Society
- [ ] Studies in Race
- [ ] Foreign Language 2nd level
- [ ] Foreign Language 3rd level
- [ ] International Studies
- [ ] Intellectual Heritage
- [ ] Science and Technology (SA)
- [ ] Science and Technology (SB/GS)
- [ ] Quantitative Reasoning (QA/GQ)
- [ ] Quantitative Reasoning (QB/GQ)
- [ ] Intellectual Heritage
- [ ] Writing Intensive Elective
- [ ] Writing Intensive Elective
- [ ] Writing Intensive in Major

**B.S.**

- 2 International Studies (IS/GG) or 2nd level of a language + 2 IS/GG or 2nd level of a language + 1 IS/GG or 3rd level/ Exemption + 1 IS/GG

**B.A.**

- 1 International Studies (IS/GG) or 2nd level of a language + 1 IS/GG or 3rd level/ Exemption + 1 IS/GG

### English Placement Results:

- English 701/711
- English 802/812
- Exempt

### Foreign Language Placement Results:

- 1001
- 1002
- 1003
- Exempt

All transfer students are required to complete the Library Skills Test (TILT) online at [www.library.temple.edu](http://www.library.temple.edu).

Please consult with your assigned academic advisor if you have questions about the university curriculum you should be following.

The Undergraduate bulletin is the official source of University core or general education requirements at [www.temple.edu/bulletin](http://www.temple.edu/bulletin).

### Core 45+:

- [ ] English 802/812
- [ ] American Culture
- [ ] Arts
- [ ] Individual and Society
- [ ] Studies in Race
- [ ] Foreign Language 2nd level
- [ ] Foreign Language 3rd level
- [ ] International Studies
- [ ] Intellectual Heritage
- [ ] Science and Technology (SA or SB)
- [ ] Science and Technology (SB/GS)
- [ ] Quantitative Reasoning (QA or QB)
- [ ] Intellectual Heritage
- [ ] Writing Intensive Elective (Must be taken at Temple)
- [ ] Writing Intensive Elective (Must be taken at Temple)
- [ ] Foreign Language 2nd level
- [ ] Foreign Language 3rd level
- [ ] International Studies
- [ ] International Studies
- [ ] International Studies

**B.S.**

- 1 International Studies (IS/GG) or 2nd level of a language + 2 IS/GG or 2nd level of a language + 1 IS/GG or 3rd level/ Exemption + 1 IS/GG

**B.A.**

- 2nd level of a language + 2 IS/GG or 2nd level of a language + 1 IS/GG or 3rd level/ Exemption + 1 IS/GG

### Core-to-Core:

- Writing Intensive Elective (Must be taken at Temple)
- Writing Intensive in Major (Must be taken at Temple)

For students who have completed an approved Associate’s degree from a college that has an established transfer agreement.

**B.A.—**Must follow the traditional core foreign language/IS/GG requirements.

Revised Date: _____  Revised Date: _____
Advisor Initials: _____  Advisor Initials: _____
Revised Date: _____  Revised Date: _____
Advisor Initials: _____  Advisor Initials: _____