



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..

Name: _____ TU ID: _____ Degree: **BS**

Bachelor of Science

Recommended Sequence of Major Courses:

- | | |
|--|--|
| <input type="checkbox"/> Calculus I: Math 1041 _____ | <input type="checkbox"/> Intro to Modern Algebra: Math 3096 ^F _____ |
| <input type="checkbox"/> TUteach Step 1: CST 1189 _____ | <input type="checkbox"/> Real & Complex Analysis I: Math 3137 ^F _____ |
| <input type="checkbox"/> Programming course: CIS 1053, 1057, or 1068: _____ | <input type="checkbox"/> Functions & Modeling: Math 2021 _____ |
| <input type="checkbox"/> Calculus II: Math 1042 _____ | <input type="checkbox"/> TUteach Persp. on Sci & Math: Phil 2196 _____ |
| <input type="checkbox"/> Elementary Classical Physics I: Physics 1061 _____ | <input type="checkbox"/> Intro to Probability Theory: Math 3031 _____ |
| <input type="checkbox"/> TUteach Step 2: CST 1289 _____ | <input type="checkbox"/> Real & Complex Analysis II: Math 3138 ^S _____ |
| | <input type="checkbox"/> Research Methods: Bio/Chem/EES/Phys 3091 _____ |
| | <input type="checkbox"/> Rdg Problems in Sec School: Sec Ed 3796 _____ |
| | <input type="checkbox"/> Make an Appoint. for a Graduation Review _____ |
| <input type="checkbox"/> Calculus III: Math 2043 _____ | <input type="checkbox"/> Modern Geometry I: Math 3061 ^F _____ |
| <input type="checkbox"/> Elementary Classical Physics II: Physics 1062 _____ | <input type="checkbox"/> Math Elective: Math 3000+* _____ |
| <input type="checkbox"/> TUteach Knowing and Learning: Ed 2179 _____ | <input type="checkbox"/> TUteach Project-Based Instruction: _____ |
| <input type="checkbox"/> Linear Algebra: Math 2101 _____ | <input type="checkbox"/> Math or Sci Ed 4189 ^S _____ |
| <input type="checkbox"/> Theory of Numbers: Math 3003 ^F _____ | <input type="checkbox"/> Senior Problem Solving Sem.: Math 4096 ^S _____ |
| <input type="checkbox"/> Math Elective: Math 3000+ _____ | <input type="checkbox"/> TUteach Apprentice Teaching _____ |
| <input type="checkbox"/> TUteach Classroom Interactions: _____ | <input type="checkbox"/> TUteach Apprentice Teaching Seminar _____ |
| Math or Sci Ed 2189 _____ | |

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

The Undergraduate bulletin is the official source of major requirements at www.temple.edu/bulletin

Suggested Courses:

Appt Date: __/__/__ Time: __: __

1810 Liacouras Walk, Suite 203

Revised Date: _____
Advisor Initials: _____

Revised Date: _____
Advisor Initials: _____

Revised Date: _____
Advisor Initials: _____

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 _____
- Science and Technology _____
- 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

For students starting as freshman or transferring fewer than 45 credits.

Traditional Core:

- English 802/812 _____
- American Culture _____
- Arts _____
- Individual and Society _____
- Studies in Race _____
- Foreign Language 2nd level* _____
- Foreign Language 3rd level* _____
- International Studies* _____
- International Studies* _____
- Science and Technology (SA) _____
- Science and Technology (SB/GS) _____
- Quantitative Reasoning (QA/GQ) _____
- Quantitative Reasoning (QB/GQ) _____
- Intellectual Heritage 0851 _____
- Intellectual Heritage 0852 _____
- Writing Intensive Elective _____
- Writing Intensive Elective _____
- Writing Intensive in Major _____

* **B.S.**

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

* **B.A.**

2nd level of a language + 2 IS/GG or
3rd level/ Exempt^ + 1 IS/GG

English Placement Results:

English 701/711 English 802/812 Exempt

Foreign Language Placement Results:

_____ 1001 1002 1003 Exempt

Core 45+:

For students receiving 45 or more credits in transfer.

- English 802/812 _____
- American Culture _____
- Arts _____
- Individual and Society _____
- Studies in Race _____
- Science and Technology (SA or SB) _____
- Quantitative Reasoning (QA or QB) _____
- Intellectual Heritage 0851 or 0852 _____
- Writing Intensive Elective (Must be taken at Temple) _____
- Writing Intensive in Major (Must be taken at Temple) _____
- Foreign Language 2nd level** _____
- Foreign Language 3rd level** _____
- International Studies** _____
- International Studies** _____

} 2 of the 3

** **B.S.**

1 International Studies (IS/GG) or
2nd level of a language/Exempt^

** **B.A.**

2nd level of a language + 2 IS/GG or
3rd level/ Exempt^ + 1 IS/GG

All transfer students are required to complete the **Library Skills Test (TILT)** online at 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.

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

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

For students who have completed an approved Associate's

Core-to-Core: degree from a college that has an established transfer agreement.

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

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