

**TUteach**

# PHYSICS *with* TEACHING

**2008-2009**

**Department of Physics**

**A116 Barton Hall**

(215) 204-7639

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

Dr. James Byrnes

**Master Teacher/Faculty Advisor:** Dr. Herbert  
Green

**Content Advisor:** Dr. Zbigniew Dziembowski

**Academic Advisor:** Lisa Mathason

[www.temple.edu/physics](http://www.temple.edu/physics)

**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 Physics is a "TUteach" program. It provides broad training in Physics,  
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"/> Electricity and Magnetism: Physics 3301 <sup>F</sup> _____   |
| <input type="checkbox"/> Elementary Classical Physics: Physics 1061 _____                | <input type="checkbox"/> Physics Elective* _____                                      |
| <input type="checkbox"/> TUteach Step 1: CST 1189 _____                                  | <input type="checkbox"/> TUteach Perspect. on Sci & Math: Phil 3XXX _____             |
| <input type="checkbox"/> Calculus II: Math 1042 _____                                    | <input type="checkbox"/> Sequenced Science Elective 1* _____                          |
| <input type="checkbox"/> Elementary Classical Physics: Physics 1062 _____                | <input type="checkbox"/> Experimental Physics: Physics 4796 <sup>S</sup> _____        |
| <input type="checkbox"/> TUteach Step 2: CST 1289 _____                                  | <input type="checkbox"/> Sequenced Science Elective 2* _____                          |
|  | <input type="checkbox"/> TUteach Research Methods _____                               |
|  | <input type="checkbox"/> TUteach Lang. & Literacy in Math & Science _____             |
|  | <input type="checkbox"/> Make an Appointment for a Graduation Review _____            |
|  |   |
| <input type="checkbox"/> Calculus III: Math 2043 _____                                   | <input type="checkbox"/> Physics Elective* _____                                      |
| <input type="checkbox"/> TUteach Knowing and Learning: Educ 2179 _____                   | <input type="checkbox"/> Physics Elective* _____                                      |
| <input type="checkbox"/> Classical Mechanics: Physics 2101 <sup>S</sup> _____            | <input type="checkbox"/> TUteach Project-Based Instruction: Math or Sci Ed 4189 _____ |
| <input type="checkbox"/> Mathematical Physics: Physics 2502 <sup>S</sup> _____           | <input type="checkbox"/> TUteach Apprentice Teaching _____                            |
| <input type="checkbox"/> Introduction to Modern Physics: Physics 2796 <sup>S</sup> _____ | <input type="checkbox"/> TUteach Apprentice Teaching Seminar _____                    |
| <input type="checkbox"/> TUteach Classroom Interactions:<br>Math or Sci Ed 2189 _____    |   |

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

**NOTES:**

<sup>F</sup> = Fall Only    <sup>S</sup> = Spring Only

Students must check the pre- and co-requisites for all courses  
before registering.

\*Please refer to the bulletin for sequenced science and physics  
elective options at [http://www.temple.edu/bulletin/  
academic\\_programs/schools\\_colleges/cst/programs/physics/  
cst\\_physics.shtml](http://www.temple.edu/bulletin/academic_programs/schools_colleges/cst/programs/physics/cst_physics.shtml)

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 Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

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 \_\_\_\_\_
- Science and Technology \_\_\_\_\_
- Science and Technology \_\_\_\_\_

### Bachelor of Arts (BA) Only

- 2<sup>nd</sup> 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 2<sup>nd</sup> level\* \_\_\_\_\_
- Foreign Language 3<sup>rd</sup> 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  
2<sup>nd</sup> level of a language + 1 IS/GG or  
3<sup>rd</sup> level of a language or Exemption^

\*B.A.

2<sup>nd</sup> level of a language + 2 IS/GG or  
3<sup>rd</sup> level/ Exempt^ + 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).

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

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Advisor Initials: \_\_\_\_\_

Revised Date: \_\_\_\_\_  
Advisor Initials: \_\_\_\_\_

### 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 2<sup>nd</sup> level\*\* \_\_\_\_\_
- Foreign Language 3<sup>rd</sup> level\*\* \_\_\_\_\_
- International Studies\*\* \_\_\_\_\_
- International Studies\*\* \_\_\_\_\_

} 2 of the 3

\*\*B.S.

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

\*\*B.A.

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

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