PHYSICS with
TEACHING
2010-2011

Department of Physics
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Program Director: Dr. Tom Walker &
Dr. Doug Baird
Master Teacher/Faculty Advisor: Dr. Herbert Green
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Academic Advisor: David Johnson
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:

- Calculus I: Math 1041
- Elementary Classical Physics: Physics 1061
- TUteach Step 1: CST 1189
- Calculus II: Math 1042
- Elementary Classical Physics: Physics 1062
- TUteach Step 2: CST 1289

- Calculus III: Math 2043
- TUteach Knowing and Learning: Educ 2179
- Classical Mechanics: Physics 2101
- Mathematical Physics: Physics 2502
- Introduction to Modern Physics: Physics 2796
- TUteach Classroom Interactions: Math or Sci Ed 2189

- Electricity and Magnetism: Physics 3301
- Physics Elective*
- TUteach Perspect. on Sci & Math: Phil 2196
- Sequenced Science Elective 1*
- Experimental Physics: Physics 4796
- Sequenced Science Elective 2*
- Research Methods: Physics 3091
- Reading Problems in the Secondary School Secondary Ed 3796
- Make an Appointment for a Graduation Review

**NOTES:**

* F = Fall Only  S = Spring Only
Students must check the pre- and co-requisites for all courses before registering.


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

**Suggested Courses:**

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Math Placement Results: Math 701 Math 0702 Math 1021 Math 1022 Math 1041

Revised Date: ______
Advisor Initials: ____________

Revised Date: ______
Advisor Initials: ____________

Revised Date: ______
Advisor Initials: ____________

Revised August 2010
### 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)

#### 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)

#### 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

#### 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

#### 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

### 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.