

Gateway/Graduation Requirements for PTE Majors[§]

(See the Undergraduate Catalog for details. Version date: 3/25/08)

Course Requirements for Physics Teacher Education:

Physics

- PHY 107 – *Frontiers of Physics*
- PHY 110 – *Physics for Science & Engineering I*
- PHY 111 – *Physics for Science & Engineering II*
- PHY 112 – *Physics for Science & Engineering III*
- PHY 205 – *Origin of the Universe*
- PHY 209 – *Introduction to Teaching HS Physics*
- PHY 217 – *Methods of Theoretical Physics*
- PHY 220 – *Mechanics I*
- PHY 240 – *Electricity and Magnetism I OR*
 - PHY 284 – *Quantum Mechanics I*
- PHY 270 – *Experimental Physics* (2 s.h. required)
- PHY 302 – *Computer Applications in HS Physics*
- PHY 310 – *Readings for Teaching HS Physics*
- PHY 311 – *Teaching High School Physics*
- PHY 312 – *Physics Teaching fm Historical Perspective*
- PHY 353 – *Student Teaching Seminar*

Chemistry

- CHE 140 – *General Chemistry I*
- CHE 141 – *General Chemistry II*

Mathematics

- MAT 145 – *Calculus I*
- MAT 146 – *Calculus II*
- MAT 147 – *Calculus III*

Professional Education

- C&I 212 – *Issues in Secondary Education*
- C&I 214 – *Literacy in the Content Areas*
- C&I 216 – *Instruction and Evaluation Methods*
- PSY 215 – *Educational Psychology*
- EAF 228 or 231 or 235 – *Foundations in Education*
- STT 399.72 – *Student Teaching in Physics*

General Education

- IC (satisfied by ENG 101)
- IC (satisfied by COM 110)
- IC-Mathematics (satisfied by MAT 145)
- IC-Natural Science I (satisfied by PHY 110)
- IC-Natural Science II (satisfied by CHE 140)
- MC-Quantitative Reasoning (satisfied by MAT 146)
- MC-Language in the Humanities
- MC-United States Traditions
- MC-Individuals in Civic Life
- MC-Individuals and Society (satisfied by PSY 110)
- OC-KD/SMT* (no longer required by PTE majors but satisfied by PHY 205 nonetheless)
- OC-KD/SS* or OC-KDCC/SS* (social science)
- OC-KD/FA* or OC-KDCC/FA* (fine arts)
- OC-KD/H* or OC-DKCC/H* (humanities)
- One Global Studies/AMALI course required.

* See *Undergraduate Catalog* for complete details.

[§] Unofficial document. For advisement purposes only.

Detailed plans of study available upon request. These are basic requirements; additional requirements might apply.

Requirements for Admission-Professional Studies:

- Initial reflective essay completed
- 30 hours of course work completed at ISU
- Disposition concerns addressed, if any
- Major GPA minimum 2.50
- Cumulative GPA minimum 2.50
- ITPS requirements A-B completed
- Enhanced basic skills test, all 3 sections passed
- Communication 110 minimum grade of C
- Departmental approval (following PHY 209)
- Legal/ethical conduct passed
- Experiences with youth completed and documented
- ENG 101 or 145 minimum grade of C
- Oral communication concerns addressed, if any
- Teacher education sessions (PBA and LiveText)

Requirements for Admission-Student Teaching:

- ISBE content test passed, Physics designation
- Disposition concerns addressed, if any
- Criminal “finger print” background check passed
- TB test must be negative
- Major GPA 2.50 or above
- Cumulative GPA 2.50 or above
- ITPS requirements C-H completed
- Analysis for inclusion
- Departmental approval
- Literacy assessment passed
- Communication concerns addressed, if any
- 100 pre-STT clinical experience hours documented

Exit from Student Teaching:

- Reflective essay completed
- Disposition concerns addressed, if any
- Pass student teaching with C/C or better
- ITPS requirement I completed
- Multicultural/diversity lesson assessment
- Communication concerns addressed, if any
- Realizing Democratic Ideal portfolio
- Major department requirements

CAS Language Requirement:

- All PTE majors must satisfy a foreign language graduation requirement that may be met by **3 years** of a single foreign language in high school or completion of the second semester or higher of college level foreign language with a grade of “C” or better or equivalent proficiency as determined by examination.

Additional Graduation/Certification Reqt’s:

- 120 semester hours of acceptable course credit
- 42 senior college hours
- Removal of incomplete grades
- Residency requirement
- Constitution examination
- Limit on Independent Study courses (6 s.h. max.)
- Application for graduation
- Pass Assessment of Professional Teaching test
- Application for Illinois teaching certificate