## BS in Physics/Mathematics Education Major – 2015-2016

### Physics Core
- COS 120 4 Introduction to Computational Problem Solving
- ENP 231 4 Introduction to Electric Circuits
- IAS 231H 2 Issues in Science and Religion (Honors)
- PHY 211 4 University Physics I
- PHY 212 5 University Physics II
- PHY 311 4 Modern Physics

Select one course from the following:
- PHY 493 3 Physics Senior Capstone
- MAT 493 3 Mathematics Senior Capstone

### Mathematics Core
- MAT 151 4 Calculus I
- MAT 230 4 Calculus II
- MAT 240 4 Calculus III
- MAT 245 4 Linear Algebra
- MAT 251 4 Differential Equations
- MAT 280 3 Mathematics in the Junior High/Middle School
- MAT 312 4 College Geometry
- MAT 352 4 Mathematical Statistics

**Electives**
Select four hours of electives from the following:
- ENP 252 4 Principles of Engineering
- ENP 300-400-level courses
- PHY 300-400-level courses

### Total Major Hours Required: 61

### Professional Education Courses
— All curriculum courses must be completed with a grade of C- or better.
- EDU 150 3 Education in America
- EDU 222 3 Reading in the Content Area for Secondary Teachers
- EDU 260 3 Educational Psychology
- EDU 307 2 Discipline and Classroom Management for Secondary Teachers
- EDU 309 1 Teaching in Secondary, Junior High/Middle Schools – Special Methods
- EDU 332 3 The Junior High/Middle School
- EDU 328 2 Assessment for Student Learning
- EDU 431 15 Supervised Internship in Secondary Schools
- SED 220 3 Exceptional Children

Select one course from the following:
- NAS 309 2 Science Education Methods
- MAT 309 2 Teaching Math in Secondary Schools

### Additional Education Requirements
— All curriculum courses must be completed with a grade of C- or better.
- CAS 110 3 Public Speaking
- PSY 340 3 Adolescent Psychology

### Degree Requirements
- 128 minimum hours and 42 minimum upper-division hours (3XX/4XX course numbers).
- Fifty percent of the minimum hours must be completed at Taylor—64 hours.
- Fifty percent of the major/minor hours must be completed at Taylor.
- 22 of the last 30 hours earned must be completed at Taylor.
- Cumulative GPA of 2.0; major GPA of 2.3 (higher GPA may be required in certain curricula). (See current catalog for policy).
- All foundational core, major, minor, and proficiency requirements must be completed (including Senior Comprehensive Exam/Paper/Project).
- Two years of one foreign language is required for the BA degree.
- Candidates for 2 degrees must complete a minimum of 158 semester hours and meet all requirements for 2 different majors.