

BS in Physics/Mathematics Education Major - 2024-2025

Student Name: _____

Student ID: _____

Physics Core

ENP 231	4	Introduction to Electric Circuits
PHY 211	4	University Physics I
PHY 212	5	University Physics II
PHY 311	4	Modern Physics
SYS 120	4	Introduction to Problem Solving

Select one course from the following:

PHY 493 3 Physics Senior Capstone

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	MAT 493	3	Mathematics Senior Capstone

Mathematics Core		
MAT 151	4	Calculus I
MAT 230	4	Calculus II
MAT 240	4	Calculus III
MAT 251	4	Differential Equations
MAT 280	3	Mathematics in the Junior High/Middle School
MAT 312	4	College Geometry
MAT 345	4	Linear Algebra
MAT 352	4	Mathematical Statistics

Electives

Select <u>5</u> hours of electives from the following:			
4	Principles of Engineering		
1-5	Engineering Physics Elective		
1-5	Physics Elective		
	4 1-5		

Total Major Hours Required: 60

Professional Education Courses — All curriculum courses must be completed with a grade of C- or better and are counted in major GPA. _____ EDU 150 3 Education in America

- _____ EDU 222 2 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 Methods of Instruction and Assessment in Secondary Education
- ____ EDU 332 2 The Junior High/Middle School
- EDU 344 1 Educational Technology in Secondary Education
 - EDU 384 1 Perspectives in Diversity
- EDU 431 17 Supervised Internship in Secondary Schools

SED 220 3 Exceptional Children

Select one course from the following:

- MAT 309 2 Teaching Math in Secondary Schools
- ____ NAS 309 2 Science Education Methods

Additional Education Requirements — All curriculum courses must be completed with a grade of C- or better and are counted in major GPA.

- ENG 110 3 College Composition
- PSY 340 3 Adolescent Psychology
- Select one course from the following:
- ____ CAC 160 3 Integrative Communication
- ____ COM 210 3 Public Speaking

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.

Education majors may also complete optional concentrations:

SpEd Mild-Moderate	P-12 Licensure
SED 220 3 SED 330 3 SED 340 3 SED 355 3 SED 360 3 SED 440 3	Exceptional Children Foundations of Special Education Assessment of Exceptional Learners Methods of Special Education Behavior Management and Disorders Special Education Integrative Seminar

SpEd Intense P-12 Licensure

SED 375 3	Low-Incidence Disabilities-Instruction and Learning
SED 380 3	Low-Incidence Disabilities-Independence and Self-determination
SED 390 3	Low-Incidence Disabilities-Collaboration and Individualized Programs
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TESOL P-12 Licensure Concentration

EDU 260 EDU 431 TSL 201 TSL 210 TSL 303	3 17 3 3 3	Educational Psychology Supervised Internship in Secondary Schools (TESOL) Introduction to SLA and the Field of Teaching ESOL Teaching ELL in P-12 Classroom Methods and Assessment in TESOL
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TSL 303	3	Methods and Assessment in TESOL
TSL 305	3	Pedagogical Grammar and Applied Linguistics in TESOL
TSL 482	3	Seminar with Field Experience in TESOL
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