

Bachelor of Science Physics (2021-2023)

Student name: _____

Major Courses

10 Courses; 24 credits must be completed at SU
Must earn a C- or better in all major courses.

Course	Course name	Grade	Credit
PHY53-154	Fundamentals of Physics I	_____	_____
PHY53-164	Fundamentals of Physics II	_____	_____
PHY53-214	Modern Physics	_____	_____
PHY53-324	Electromagnetism I	_____	_____
PHY53-334	Classical Mechanics I	_____	_____
PHY53-424	Quantum Mechanics	_____	_____
PHY53-872	Capstone Course	_____	_____
<i>Select three Physics courses from the following list:</i>			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
PHY53-254	Observing the Universe	PHY53-434	Statics
PHY53-364	Fundamentals of Materials Science & Engineering	PHY53-454	Math Methods in Physical Science
PHY53-404	Electronics	PHY53-463	Dynamics
PHY53-413	Classical Mechanics II	PHY53-473	Thermodynamics
PHY53-433	Electromagnetism II		

Total number of credits counting in the major (minimum of 30 credits) _____

Required Supporting Courses

Courses in this section are not counted in the 30 credit minimum for the major.
Courses in this section may be used in the Exploration and Breadth section.

MAT52-164	Modern Calculus I	_____	_____
MAT52-264	Modern Calculus II	_____	_____
MAT52-364	Modern Calculus III	_____	_____

Total number of credits from required supporting courses: _____

General Education Requirements

<i>Part I</i>			
UST05-014/214	First Year or Advanced Entry Seminar	_____	_____
_____	Semester #1 of Foreign Language:	_____	_____
_____	Semester #2 of Foreign Language:	_____	_____
_____	Semester #3 of Foreign Language:	_____	_____
_____	Social Justice course:	_____	_____
_____	Fitness/Recreational Activity course #1:	_____	_____
_____	Fitness/Recreational Activity course #2: (must be different from FRA topic #1)	_____	_____

Part II

Exploration and Breadth - 6 courses

PHY53-XXX courses cannot be used to satisfy E&B requirements. Additionally, any other course contributing to Physics which is used to satisfy a major requirement cannot be used in the E&B section.

*Public Speaking, College Writing & Creative Writing courses cannot count in E&B.

	Grade	Credit
Take one Humanities course:	_____	_____
Take one Natural Science course:	_____	_____
Take one Social Science course:	_____	_____
Take one Fine Arts course:	_____	_____
Take one additional course from two of the four areas listed above. Neither course may come from the department (3 digit prefix) used in the four areas above. EX: If you took PSY33-104 Principles of Psychology as a social science, you may not select another PSY course in the below section.	Grade	Credit
Course #1:	_____	_____
Course #2:	_____	_____

Total number of credits counting only in the Gen Ed section (30 credit minimum required):

University electives

	Grade	Credit
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Total number of university electives/minor credits:

Total number of credits from a minor (use minor template to determine correct credit count). Enter credit amount here:

*Minors are optional.

Total number of earned credits counting in major, general education and university elective/minor areas:

University Graduation Requirements:

Students must earn a minimum of 127 earned credits to earn a Bachelor's degree; a minimum of 157 credits is required for dual degrees.

Cumulative GPA must be greater than a 2.0.

Major/Area of Concentration must have a GPA > 2.0.

All grades in a major/minor/core/required supporting courses/certification areas must be a C- or higher . Some majors/minors require higher grades.

At least 64 credits must be completed at Southwestern.

No more than 56 credits may be earned from any 5 digit prefix (except Art, Education and Theatre majors). See catalog for full rules.

60% of Major courses must be completed at Southwestern.

Majors must have a minimum of 30 credits.

General Education area must have a minimum of 30 credits.

No transfer credits taken outside of SU in final 32 credit hours without approval from the Registrar's Office (except for an approved Study Abroad program).

A limit of 1 FRA may be taken as a university elective and counted towards graduation requirements. Any additional FRA's, taken as a university elective, will be deducted from total earned credit.