

Bachelor of Arts

Applied Physics (2021-2023)

Student name:

** NOTE: Students must complete 90 credits before leaving Southwestern

Major Courses

17 Courses; 35 credits must be completed at SU

Must earn a C- or better in all major courses.

Course	Course name	Grade	Credit
CHE51-103/101	General Chemistry I/Chemical Methods & Techniques Lab I	_____	_____
CHE51-203/201	General Chemistry II/Chemical Methods & Techniques Lab II	_____	_____
MAT52-164	Modern Calculus I	_____	_____
MAT52-264	Modern Calculus II	_____	_____
MAT52-364	Modern Calculus III	_____	_____
MAT52-754	Differential Equations	_____	_____
PHY53-104	Introduction to Engineering	_____	_____
PHY53-154	Fundamentals of Physics I	_____	_____
PHY53-164	Fundamentals of Physics II	_____	_____
PHY53-214	Modern Physics	_____	_____
PHY53-334	Classical Mechanics I	_____	_____
PHY53-434	Statics	_____	_____
PHY53-872	Capstone Course	_____	_____
Select one Pre-Engineering Elective from the list below:			
_____	_____	_____	_____
MAT52-674	Linear Algebra	_____	_____
PHY53-324	Electromagnetism I	_____	_____
PHY53-364	Fundamentals of Materials Science & Engineering	_____	_____
PHY53-404	Electronics	_____	_____
PHY53-463	Dynamics	_____	_____
PHY53-454	Math Methods in Physical Science	_____	_____
PHY53-473	Thermodynamics	_____	_____
Select two additional pre-approved, upper level engineering courses transferred from an ABET accredited engineering school (at least 6 credits):			
_____	_____	_____	_____
_____	_____	_____	_____

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

General Education Requirements

		Grade	Credit
<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)	_____	_____

