BA – Physics

(SC-BA/Physics)

2015 Catalog year: College of Science and Engineering

This is not an official degree audit and it is subject to change. This chart is intended to be used by students who start out at Texas State. Please contact the College of Science and Engineering Undergraduate Advising Center for advising.

Note: In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.

Core courses must be completed:

_AU 1100  _COMM 1310  _PHIL 1305 or 1320
_ENG 1310  _ENG 1320  _ENG 2310-2360
_HIST 1310  _HIST 1320  _ART/DAN/MU/TH 2313
_POSI 2310  _POSII 2320
__ANTH 1312/ECO 2301/ECO 2314/GE0 1310/PSY 1300/SOCI 1310

US 1100 & ENG 1310 recommended for first semester. HIST 1310/1320 not recommended for first semester.

KEY:
Arrows indicate prerequisites.
Arrows with dotted lines indicate corequisites.
Arrows with dash lines are recommended prerequisites.
Courses taught in specific semesters are indicated with the following codes:
F-Fall
S-Spring

Required WI courses: PHYS 3411
Additional WI courses: ENG 3303, PHYS 3210, 3416, 3417, 4317, 4340

13-16 hours PHYS electives:
PHYS 3210 – Physics Cognition & Pedagogy
PHYS 3315 (S) – Thermodynamics
PHYS 3311 – Mechanics I
PHYS 3416 (S) – Applied Electronics
PHYS 3417 (F) – Optics
PHYS 4310 (F) – Electromagnetic Field Theory I
PHYS 4311 (F) – Condensed Matter Physics
PHYS 4312 (S) – Quantum Mechanics I
PHYS 4313 – Quantum Mechanics II
PHYS 4314 – Mechanics II
PHYS 4315 (S) – Electromagnetic Field Theory II
PHYS 4317 (F) – Computational Physics
PHYS 4320 – Selected Studies in Physics
PHYS 4321 – Undergraduate Research
PHYS 4340 (S) – Materials Physics Laboratory

See most recent online catalog for prerequisites; PHYS 3414 was replaced by PHYS 3311