BS – Industrial Engineering with Applied Math minor  (SC-BS/IE/APMA)  2017 Catalog year: College of Science and Engineering

Student and advisor must work together to determine if IE 3310 & IE 4390 or if IE 4392 & IE 4393 should be taken. IE 3310 should not be taken until the semester prior to IE 4390.

**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
- Su: Summer Session I or II

Required WI courses: IE 3310, MFGE 4396
Additional WI courses: IE 4360

**Core courses must be completed:**
- _US 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_ 
- _POSI 2320_ 
- _ECO 2301 or ECO 2314_

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

**Choose 8 hours from:**
- IE 4330 – Reliability Engineering
- IE 4340 (F) – Optimization Technology
- IE 4360 (F) – Human Factors Design
- MFGE 4367 (S) – Polymer Properties & Processing
- MFGE 4392 (F,S) – Microelectronics Mfge I
- IE 4399A (S) – Six Sigma Methods
- IE 4399B – Human Computer Interactions
- IE 4399C – Engineering Statistics II
- IE 4399D – Optimization Technology
- IE 4399E – Intro to Systems Engineering
- IE 4399F – Intro to Data-Intensive Analysis & Simulation

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.