



___ 6 credits Core 010	TXST options: ENG 1310, ENG 1320, ENG 1321, ENG 3303, COMM 1310
___ 3 credits Core 020	MATH required course: Satisfied in Major MATH 2471
___ 6 credits Core 030	TXST options: See catalog for options
___ 3 credits Core 040	TXST options: ENG 2310, 2320, 2330, 2340, 2359, 2360, 2371, PHIL 1305, 1320
___ 3 credits Core 050	TXST options: See catalog for options: http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum
___ 6 credits Core 060	TXST options:[HIST 1310/2327/2381] and [HIST 1320/2328/2382]
___ 6 credits Core 070	TXST options: POSI 2310 & POSI 2320
___ 3 credits Core 080	TXST options: ANTH 1312, ECO 2301, ECO 2314, GEO 1310, PSY 1300, SOCI 1310, CA 2351, PFW 1301
___ 6 credits Core 090,	MATH required course: Satisfied in Major MATH 2472 (092)
091, 092, 093, 094, & 095	See catalog for options: http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum/

US 1100 may be required for some students. Consult with an advisor regarding course choices.

Prescribed electives:

6-12 hours of electives from:

- MATH 3323 Differential Equations (F,S,Su)
- MATH 3348 Deterministic Operations Research (F)
- MATH 3398 Discrete Mathematics II (F,S,Su)
- MATH 4306 Fourier Series and Boundary Value Problems (S)
- MATH 4315 Analysis II (F,S)
- MATH 4330 General Topology (F)
- MATH 4336 Studies in Applied Mathematics
- MATH 4337A Topological Data Analysis
- MATH 4337C Numerical Methods for Ordinary Differential Equations (F)
- MATH 4337H Undergraduate Research in Topology & Artificial Neural Networks
- MATH 4350 Introduction to Combinatorics (S)

Check prerequisites

0-6 hours of electives from:

- CS 2315 Computer Ethics (F,S)
- CS 2318 Assembly Language (F,S,Su)
- CS 3339 Computer Architecture (F,S,Su)
- CS 3360 Computing Systems Fundamentals (F,S)
- CS 3398 Software Engineering (F,S,Su)
- CS 4315 Introduction to Data Mining and Information Retrieval (S)
- CS 4332 Introduction to Database Systems (F,S)
- CS 4337 Introduction to Computer Vision (F)
- CS 4346 Introduction to Artificial Intelligence (F,S)
- CS 4371 Computer System Security (F,S)
- CS 4379E Introduction to Network Science
- CS 4379F Distributed Data Processing
- CS 4379Q Introduction to Recommender Systems

Check prerequisites

Recommended General Electives:

- IE 3305 Introduction to Data Analysis
- IE 3340 Operations Research
- IE 4330 Reliability Engineering
- IE 4340 Non-linear optimization
- IE 4342 Advanced Linear and Integer Programming
- IE 4320 Integrated Production Systems
- IE 4350 Supply Chain Engineering
- IE 4370 Probabilistic Operations Research
- IE 4381 Introduction to Systems Engineering
- IE 4399D Heuristic Optimization
- MFGE 4396 Manufacturing Systems Design

Some students may need to take general electives to reach the 120 minimum hours required to meet graduation requirements. Not all students will need general electives depending on their minor, courses transferred to TXST, and/or AP or dual credit previously earned.

Check prerequisites