



Pre-Professional Courses

UNIV 1131
(freshman students only)
OR
ENGR 1101
(transfer students)

CSE 1310
Intro to Programming
(prerequisite: MATH 1302)

CSE 1106
Intro to CSE

CSE 1320
Intermediate Programming
(coreq: Math 1421)

MATH 1426
Calculus I

PHYS 1443
Technical Physics I

ENGL 1301

CSE 2315
Discrete Structures

MATH 2425
Calculus II

PHYS 1444
Technical Physics II

CSE 1325
Object-Oriented Programming

CSE 2312
Computer Organization

CSE 2441
Digital Logic

CSE 3318
Algorithms & Data Structures

CSE 2440
Circuit Analysis

Only students who have completed all pre-professional courses satisfactorily and thus are admitted to the professional program may take 4000 level courses.

pre/co req
prerequisite

Foreign Language
If required, two semesters of the same language

General Education

- Language/Philosophy/Culture elective
- POLS 2311
- POLS 2312
- Creative Arts elective
- Social/Behavioral (IE 2308 or ECON 2305)
- 6 hours of HIST electives

Math and Science Electives

- 3 hours of Math electives
- 4 hours of Science electives

See list of approved courses on second page

4000 Level Courses

4 Technical Elective courses

See list of approved courses on second page
Remember to check prerequisites.

The Senior Design courses must be taken in consecutive semesters: (Fall and Spring), (Spring and Summer), or (Summer and Fall). Spring and Fall is NOT an option.

Bachelor of Science in Computer Engineering
Degree Plan Requirements Fall 2021/Spring 2022 Catalog



Student Name: _____

UTA ID#: _____

In the tables below "T" is used to indicate transfer credits.

General Education/Core Curriculum

T	Course	Hours Earned	Hours
	US History*		3
	US History*		3
	POLS 2311		3
	POLS 2312		3
	ECON 2305 or IE 2308		3
	Creative Arts*		3
	Language, Philosophy, and Culture*		3
	ENGL 1301		3
	COMS 2302		3
	TOTAL General Education/Core		27

Mathematics

T	Course	Hours Earned	Hours
	MATH 1426 Calculus I		4
	MATH 2425 Calculus II		4
	IE 3301 or MATH 3313 Engr. Probability		3
	CSE 3380 or MATH 3330 Linear Algebra		3
	Math Elective **		3
	TOTAL Mathematics		17

Science

T	Course	Hours Earned	Hours
	PHYS 1443 Technical Physics 1		4
	PHYS 1444 Technical Physics 2		4
	Science Elective **		4
	TOTAL Science		12

Foreign Language

___ Earned in College

___ Earned in High School

___ Exempt (ESL)

* Refer to the UTA catalog for options (<https://catalog.uta.edu/degreerequirements/generalcorerequirements/>)

** Refer to flowcharts on website for options (<https://www.uta.edu/academics/schools-colleges/engineering/academics/degree-plans>)

Engineering Success

T	Course	Hours Earned	Hours
	ENGR 1101 or UNIV 1131		1
	TOTAL Engineering Success		1

Major: Computer Engineering

T	Course	Hours Earned	Hours
	CSE 1106 Introduction to CSE		1
	CSE 1310 Introduction to Programming		3
	CSE 1320 Intermediate Programming		3
	CSE 1325 Object-Oriented Programming		3
	CSE 2312 Computer Organization		3
	CSE 2315 Discrete Structures		3
	CSE 2440 Circuit Analysis		4
	CSE 2441 Digital Logic Design		4
	CSE 3318 Algorithms & Data Structures		3
	CSE 3313 Intro to Signal Processing		3
	CSE 3314 Professional Practices		3
	CSE 3320 Operating Systems		3
	CSE 3323 Electronics		3
	CSE 3442 Embedded Systems I		4
	CSE 4316 Senior Design I		3
	CSE 4317 Senior Design II		3
	CSE 4323 Quantitative Computer Arch.		3
	CSE 4342 Embedded Systems II		3
	Technical Elective**		3
	Technical Elective**		3
	Technical Elective**		3
	Technical Elective**		3
	TOTAL Computer Science		67