



**Pre-Professional Courses**

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

CSE 1310  
Intro to Programming  
(prerequisite: MATH 1302)

CSE 1320  
Intermediate Programming  
(coreq: Math 1421)

CSE 1106  
Intro to CSE

MATH 1426  
Calculus I

PHYS 1443  
Technical Physics I

ENGL 1301

MATH 2425  
Calculus II

PHYS 1444  
Technical Physics II

CSE 1325  
Object-Oriented Programming

CSE 2312  
Computer Organization

CSE 3318  
Algorithms & Data Structures

CSE 2315  
Discrete Structures

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

CSE 3380  
Linear Algebra

IE 3301  
Engineering Probability and Stats

CSE 3330  
Databases

pre/co req

prerequisite

CSE 3302  
Programming Languages

CSE 3310  
Intro to Software Eng.

CSE 3320  
Operating Systems

**Foreign Language**

If required, two semesters of the same language

**General Education**

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

**Math Elective**

- 3 hours of Math electives

See list of approved courses on second page

**4000 Level Courses**

CSE 4305  
Compilers

CSE 4303  
Computer Graphics

CSE 4360  
Robotics  
(Fall only)

6 Technical Elective courses out of which at least one must be CSE 4305 Compilers, CSE 4303 Computer Graphics or CSE 4360 Robotics.

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

CSE 4308  
Artificial Intelligence

CSE 4380  
Information Security

CSE 4381  
Information Security 2

CSE 4382  
Secure Programming

Complete ONE of the following three security courses. CSE 3320 is a pre-requisite for all three courses.

CSE 4344  
Computer Networks

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.

CSE 4316  
Senior Design I

CSE 4317  
Senior Design II

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
	<b>TOTAL General Education/Core</b>		<b>27</b>

### 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
	<b>TOTAL Mathematics</b>		<b>17</b>

### Science

T	Course	Hours Earned	Hours
	PHYS 1443 Technical Physics 1		4
	PHYS 1444 Technical Physics 2		4
	<b>TOTAL Science</b>		<b>8</b>

### Foreign Language

\_\_\_ Earned in High School,

\_\_\_ Earned in College, or

\_\_\_ Exempt (ESL)

### Engineering Success

T	Course	Hours Earned	Hours
	ENGR 1101 or UNIV 1131		1
	<b>TOTAL Engineering Success</b>		<b>1</b>

### Major: Computer Science

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 3318 Algorithms & Data Structures		3
	CSE 3302 Programming Languages		3
	CSE 3310 Intro to Software Engineering		3
	CSE 3314 Professional Practices		3
	CSE 3315 Theoretical Concepts		3
	CSE 3320 Operating Systems		3
	CSE 3330 Database Systems		3
	CSE 4303 or 4305 or 4360		3
	CSE 4308 Artificial Intelligence		3
	CSE 4316 Senior Design I		3
	CSE 4317 Senior Design II		3
	CSE 4344 Computer Networks		3
	CSE 4380 or 4381 or 4382		3
	Technical Elective**		3
	Technical Elective**		3
	Technical Elective**		3
	Technical Elective**		3
	Technical Elective**		3
	<b>TOTAL Computer Science</b>		<b>70</b>

\* 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>)