Pre-Professional Courses

- CSE 1310 Intro to Programming (prerequisite: MATH 1302)
- CSE 1320 Intermediate Programming (coreq: Math 1421)
- CSE 1325 Object-Oriented Programming
- CSE 2312 Computer Organization
- CSE 2315 Discrete Structures
- CSE 2316 Algorithms & Data Structures
- CSE 2441 Digital Logic
- CSE 2442 Embedded I
- CSE 2443 Embedded II
- CSE 3380 Linear Algebra
- CSE 3413 Signal Processing
- CSE 3318
- CSE 3320 Operating Systems
- CSE 3313
- CSE 3314
- CSE 3318
- CSE 3380
- CSE 3413

4000 Level Courses

- CSE 4317 Senior Design II
- CSE 4316 Senior Design I
- CSE 4323 Quan. Computer Arch.
- CSE 3442 Embedded II
- MATH 2425 Calculus II
- MATH 1426 Calculus I
- PHYS 1443 Technical Physics I
- PHYS 1444 Technical Physics II
- ENGL 1301

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. Remember to check prerequisites.
**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

<table>
<thead>
<tr>
<th>T</th>
<th>Course</th>
<th>Hours Earned</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>US History*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>US History*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>POLS 2311</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>POLS 2312</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ECON 2305 or IE 2308</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Creative Arts*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Language, Philosophy, and Culture*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENGL 1301</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMS 2302</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL General Education/Core**  
27

### Mathematics

<table>
<thead>
<tr>
<th>T</th>
<th>Course</th>
<th>Hours Earned</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MATH 1426 Calculus I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MATH 2425 Calculus II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IE 3301 or MATH 3313 Engr. Probability</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CSE 3380 or MATH 3330 Linear Algebra</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Math Elective **</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL Mathematics**  
17

### Science

<table>
<thead>
<tr>
<th>T</th>
<th>Course</th>
<th>Hours Earned</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PHYS 1443 Technical Physics 1</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PHYS 1444 Technical Physics 2</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Science Elective **</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**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/](https://catalog.uta.edu/degreerequirements/generalcorerequirements/))

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