

3 + 2 B.S. in Computer Science/ M.S. in Computer Science or Computer Engineering

Year 1

Fall Semester

| Course | Credit Hours |
|--------------------------------------|--------------|
| MAT 1324 Calculus 1 | 3 |
| CSC 1321 Programming in C++ | 3 |
| Elective (Recommend CSC 1310) | 3 |
| ENG 1301 Composition I (GEC) | 3 |
| ASE 1111 Freshman Success Experience | 1 |
| Religion Cultural Literacy (GEC) | 3 |

Total Credit Hours: 16

Spring Semester

| Course | Credit Hours |
|-----------------------------------|--------------|
| MAT 1325 Calculus 2 | 3 |
| CSC 1322 Advanced Programming C++ | 3 |
| CSC 1330 Assembly Language | 3 |
| ENG 1302 Composition II (GEC) | 3 |
| Social Literacy (GEC) | 3 |

Total Credit Hours: 15

Year 2

Fall Semester

| Course | Credit Hours |
|--|--------------|
| MAT 3321 Linear Algebra | 3 |
| CSC 2320 Data Structures | 3 |
| CSC 2310 Computer Organization | 3 |
| ENG 23xx English Language Literacy (GEC) | 3 |
| HUM 234x Human Experience/Prospect Language Literacy (GEC) | 3 |

Total Credit Hours: 15

Spring Semester

| Course | Credit Hours |
|---|--------------|
| MAT 3385 Discrete Math | 3 |
| CSC 2340 Object-Oriented Programming & Design | 3 |
| CSC 3391 Operating Systems | 3 |
| Lab Science (GEC) | 4 |
| EXS 1220 Social Literacy (GEC) | 2 |

Total Credit Hours: 15

Year 3

Fall Semester

| Course | Credit Hours |
|---|--------------|
| CSC 3360 Analysis of Algorithms | 3 |
| CSC 3320 Programming. Language Concepts | 3 |
| CSC 4383 Software Engineering | 3 |
| Cultural Literacy (GEC) | 3 |
| Social Literacy (GEC) | 3 |

Total Credit Hours: 15

Spring Semester

| Course | Credit Hours |
|---|--------------|
| MAT 3311 Probability & Statistics | 3 |
| CSC 4384 Senior Project | 3 |
| CSC 43XX Elective | 3 |
| HIS 2324 Modern American History Cultural Lit (GEC) | 3 |
| Social Literacy (GEC) | 3 |

Total Credit Hours: 15

Year 4 -- UTA

Fall Semester

| Course | Credit Hours |
|--|--------------|
| CSE 3330 Database/4308 AI/4303 Graphics | 3 |
| CSE 3315 Theory of Computing | 3 |
| CSE 2100 Practical Systems | 3 |
| Cultural Literacy GEC (Transferable back to TWU) | 3 |
| Elective | 3 |

Total Credit Hours: 15

Spring Semester

| Course | Credit Hours |
|--------------------------|--------------|
| CSE 4391/5311 Algorithms | 3 |
| CSE 4344/5344 Network 1 | 3 |
| CSE 4380/5380 Security 1 | 3 |
| Elective | 3 |
| Elective | 3 |

Receive BS degree from TWU (Total Credit Hours: 120)

Total Credit Hours: 15

Summer Semester -- UTA

Summer Sessions

| Course | Credit Hours | Course | Credit Hours |
|---------------|--------------|---------------------|--------------|
| CSE 5324 SE 1 | 3 | CSE 5330 Database 1 | 3 |

Total Semester Hours 3

Total Semester Hours 3

Year 5 -- UTA

Fall Semester

| Course | Credit Hours |
|---|--------------|
| CSE 5306 Distributed Systems | 3 |
| CSE 5331 (DB2) or 5334 (Data Mining) or 5335(XML) | 3 |
| CSE 6324 Adv. Topics in SE | 3 |

Total Credit Hours: 9

Spring Semester

| Course | Credit Hours |
|----------------------------------|--------------|
| CSE 6331 Adv. Topics in Database | 3 |
| CSE 5325 SE 2 | 3 |
| CSE Graduate Elective | 3 |

Receive MS degree from UTA

Total Credit Hours: 9