

# Computer Science

## Year One - Tarrant County College

| FALL                                   |                    | SPRING                                  |           |
|--|--------------------|---|-----------|
| MATH 2413, Calculus I*                 | 4                  | MATH 2414, Calculus II*                 | 4         |
| CHEM 1411, General Chemistry I         | 4                  | COSC 1437, Programming Fundamentals II* | 4         |
| COSC 1436, Programming Fundamentals I* | 4                  | ENGL 2311, Technical & Business Writing | 3         |
| ENGL 1301, Composition I               | 3                  | PHYS 2425, University Physics I*        | 4         |
|  | <b>Total Hours</b> | CHEM 1412 or BIOL 1406                  | 4         |
|  |                    | <b>Total Hours</b>                      | <b>19</b> |

| SUMMER                                  |          |
|---|----------|
| Language Philosophy Culture Core Course | 3        |
| Creative Arts Core Course               | 3        |
| <b>Total Hours</b>                      | <b>6</b> |

## Year Two - Tarrant County College

| FALL                                       |                    | SPRING                                     |           |
|--|--------------------|--|-----------|
| MATH 2318, Linear Algebra                  | 3                  | COSC 2325, Computer Organization*          | 3         |
| PHYS 2426, University Physics II*          | 4                  | COSC 2436, Programming Fundamentals III*   | 4         |
| History Core Course                        | 3                  | History Core Course                        | 3         |
| Government / Political Science Core Course | 3                  | Government / Political Science Core Course | 3         |
| MATH 2305, Discrete Mathematics            | 3                  | Social Behavioral Science Core Course      | 3         |
|  | <b>Total Hours</b> | <b>Total Hours</b>                         | <b>16</b> |

| SUMMER                                      |          |
|---|----------|
| Misc. Elective (if needed to reach 120 hrs) | 3        |
| <b>Total Hours</b>                          | <b>3</b> |



**Meet with the UNT CENG recruiter at the start of spring semester and apply to UNT.**

## Year Three - UNT

| FALL                            |                    | SPRING                          |           |
|---------------------------------|--------------------|---------------------------------|-----------|
| CSCE 3110, Data Structures      | 3                  | CSCE 3444, Software Engineering | 3         |
| CSCE 3600, Systems Programming  | 3                  | CSCE 4110, Algorithms           | 3         |
| TECM 4*** Course                | 3                  | CSCE Core Elective (advanced)   | 3         |
| EENG 2710, Digital Logic Design | 3                  | MATH 1780, Probability Models   | 3         |
|                                 | <b>Total Hours</b> | <b>Total Hours</b>              | <b>12</b> |

## Year Four - UNT

| FALL                             |                    | SPRING                           |           |
|----------------------------------|--------------------|----------------------------------|-----------|
| CSCE 4010, Social Issues         | 3                  | CSCE 4902, Capstone II           | 3         |
| CSCE 4901, Capstone I            | 3                  | CSCE Breadth Elective (advanced) | 3         |
| CSCE Core Elective (advanced)    | 3                  | CSCE Elective (advanced)         | 3         |
| CSCE Breadth Elective (advanced) | 3                  | CSCE Elective (advanced)         | 3         |
|                                  | <b>Total Hours</b> | <b>Total Hours</b>               | <b>12</b> |

**Black = Tarrant County College**

**\* = CS Field of Study**

**Green = UNT**

**Total Degree Hours      123**