# BS in Computer Information Technology (CITE)
# Suggested Four-Year Plan

| Year | Fall Semester | Spring Semester |
|---|---|---|
| **Freshman** | COSC 10403 Intro to Programming | COSC 20203 Techniques in Programming |
| | MATH 10283 Applied Calculus (or Math 10524) | MATH 20123 Discrete Math I |
| | ENGL 10803 Intro Composition | ENGL 20803 Intermediate Composition |
| | Elective – Religious Traditions | Elective – Cultural Awareness |
| | Elective – Historical Traditions | Elective – Literary Traditions |
| **Sophomore** | CITE 30103 Unix/Linux System Admin | CITE 30133 Advanced System & Network Admin |
| | COSC 20803 Data Structures | COSC 30003 Intro to Computer Networks |
| | MATH 10043 Elementary Stat | Elective – Free |
| | Elective – Social Sciences | Elective – Fine Arts |
| | Elective – Global Awareness | Elective – Citizenship & Social Values |
| **Junior** | COSC 30603 Database Systems | CITE 30363 Web Technologies |
| | COSC 40233 Cloud Computing | Elective – CITE/COSC (COSC 30103) |
| | Elective – CITE/COSC (CITE 40453) | COMM 10123 (or COMM 20103) |
| | Elective – Science | Elective – Science |
| | Elective - Free | Elective – Free |
| **Senior** | COSC 40943 Software Engineering (or CITE 40643) | COSC 40993 Senior Design Project (or CITE 40993) |
| | Elective – CITE/COSC | COSC 40053 Computer and Network Security |
| | Elective – Free | Elective – Free |
| | Elective – Free | Elective – Free |
| | Elective - Free | Elective – Free |

NOTE:   **120 hours are required for the degree**. 42 hours must be in upper division courses taken at TCU.  If MATH 10283 is taken instead of MATH 10524, an additional hour is needed to meet the requirement of 120 hours.

9 hours of Humanities and 6 additional hours of Social Sciences must be covered in the HMV&V, or electives listed above. Be aware that many of the HMV&V courses couple with HE&E and will cover both requirements (max coupling is 24 hours).

COSC 40943 and COSC 40993 will cover the Writing Emphasis (WEM) requirement.

Jan 28, 2022