# BACHELOR OF SCIENCE (Computer Science)
*KCTCS transfer plan*

## KCTCS AS General Education

| Course | Course Title | Semester Hours |
|---|---|---|
| **ENG101** | Intro to College Writing I | 3 |
| **ENG102** | Writing in the Disciplines II | 3 |
| **Oral Communications** | COM 181 | 3 |
| **Heritage** | Choose <u>one</u> course from this category | 3 |
| **Humanities** | Choose <u>one</u> course from this category | 3 |
| **Social and Behavioral Science** | Choose <u>three</u> courses from this category | 6 |
| **Natural Science with Lab** | Choose <u>one</u> course from this category | 4 |
| **Additional Science** | Choose <u>one</u> course from this category | 3 |
| **MAT150** | College Algebra | 3 |
| **MAT 175** | Calculus 1 | 5 |
| | **TOTAL** | **36** |

## Additional KCTCS Classes Required for this Major (if selecting Systems/Scientific Applications Concentration)

| | | |
|---|---|---|
| **MAT 185** | Calculus 2 | 5 |
| **MAT 285** | Differential Equations | 3 |
| **CS 215** | Introduction to Program Design | 4 |
| | **TOTAL** | **12** |

## WKU Classes Required for this Major

| | | |
|---|---|---|
| **CS 290** | Computer Science II | 4 |
| **CS 331** | Computer Science III | 3 |
| CS 325 | Computer Organization and Architecture | 3 |
| CS 339 | Discrete Structures | 3 |
| **CS 351** | Database Management Systems I | 3 |
| CS 360 | Software Engineering | 3 |
| CS 382 | Programming Languages | 3 |
| CS 396 | Intermediate Software Project | 3 |
| **CS 421** | Data Structures and Algorithm Analysis | 3 |
| CS 425 | Operating Systems I | 3 |
| CS 496 | Senior Project and Professional Practice | 3 |
| CS electives | Select from: CS 270, 315, 372, 381, 443, 445, 446 | 12 |
| STAT 301 | Probability and Applied Statistics | 3 |
| | **Total** | **49** |
| Free Elective | Students Choice | 11 |
| | **TOTAL PROGRAM HOURS** | **120** |

**Program Notes** Barring unexpected issues, it is expected that students entering the program will need at least five semesters to complete the B.S. in Computer Science.

To make an advising appointment:
WKU in Elizabethtown go to wkuadvising.as.me
WKU in Glasgow go to wkug.as.me
WKU in Owensboro go to wkuo.as.me