



BAKER UNIVERSITY MAJOR CHECKLIST

COMPUTER SCIENCE B.S. Degree ONLY

MAJOR REQUIREMENTS

REQUIRED COURSES: (34 HRS)

CS175 Intro to Computer Science (4 hrs)
CS180 C++ (2 hrs)
CS185 Data Structures and Algorithms (4 hrs)
CS223 Computer Architecture and Organization (3 hrs)
CS226 Operating Systems (4 hrs)
CS335 Computer Networks (3 hrs)
CS341 Programming Languages (4 hrs)
CS371 Database Design (4 hrs)
CS392 Software Engineering (4 hrs)
CS491 Senior Capstone Project (3 hrs)

COURSES COMPLETED OR IN PROGRESS

UC _____
UC _____
UC _____
UC _____
UC _____

COMPLETE ONE OF THE FOLLOWING TRACKS:

TRACK 1: TRADITIONAL COMPUTER SCIENCE

Two elective computer science courses numbered 200 or above (6 hrs)

Supporting Coursework (14-15 HRS)

MA171 Calculus I (4 hrs)
MA172 Calculus II (4 hrs)
MA291 Introduction to Higher Mathematics (3 hrs)

One of the following:

CH120 Basic Chemistry
CH137 & 137L General Chemistry & Lab
PC125 Introductory Physics
PC225 General Physics I
An additional mathematics course above MA146 Trigonometry

TRACK 2: COMPUTER INFORMATION SYSTEMS (23 HRS)

AC141 Introduction to Financial Accounting
BS141 Introduction to Business
BS230 Quantitative Analysis for Business and Economics I (4 hrs)
BS330 Quantitative Analysis for Business and Economics II (4 hrs)
BS331 Business Information Systems
BS353 Fundamentals of Management
EC242 Principles of Economics: Micro

UC _____
UC _____
UC _____

STUDENT NAME: _____

STUDENT ID: _____

DATE: _____

Catalog year: 2023