

BAKER UNIVERSITY MAJOR CHECKLIST

COMPUTER SCIENCE

B.S. Degree ONLY

MAJOR REQUIREMENTS

COURSES COMPLETED OR IN PROGRESS

- 54-64 credit hours in Computer Science and Supporting Coursework required
(Variation in credit hours is tied to student’s major track selection and course selection)
- Minimum of 15 credit hours of Computer Science must be upper-college

REQUIRED COURSES:

CS175 Intro to Computer Science: C++ (4 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)	UC _____
CS341 Programming Languages (4 hrs)	UC _____
CS371 Database Design (4 hrs)	UC _____
CS392 Software Engineering (4 hrs)	UC _____
CS491 Senior Capstone Project (3 hrs)	UC _____

COMPLETE ONE OF THE FOLLOWING TRACKS:

TRACK 1: TRADITIONAL COMPUTER SCIENCE

Two elective computer science courses numbered 200 or above (6-8 hrs) _____

Supporting Coursework

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

One of the following:

- One additional mathematics course above MA146
 - PC125 Introductory Physics I **OR** PC225 General Physics I
 - CH120 Basic Chemistry **OR** CH137 & CH137L Gen Chemistry I Lec/Lab
- _____

TRACK 2: COMPUTER INFORMATION SYSTEMS

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

STUDENT NAME: _____

STUDENT NUMBER: _____

DATE: _____