



BAKER UNIVERSITY MAJOR CHECKLIST

COMPUTER SCIENCE

B.S. Degree ONLY

MAJOR REQUIREMENTS

COURSES COMPLETED OR IN PROGRESS

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)
- BK 401 Baker Summit (1 hr)

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

STUDENT NAME: _____

STUDENT ID: _____

DATE: _____