

**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 (4 hrs)

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CS180 C++ (2 hrs)

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CS185 Data Structures and Algorithms (4 hrs)

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CS223 Computer Architecture and Organization (3 hrs)

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CS226 Operating Systems (4 hrs)

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CS335 Computer Networks (3 hrs)

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CS341 Programming Languages (4 hrs)

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CS371 Database Design (4 hrs)

UC \_\_\_\_\_

CS392 Software Engineering (4 hrs)

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CS491 Senior Capstone Project (3 hrs)

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**COMPLETE ONE OF THE FOLLOWING TRACKS:**

**TRACK 1: TRADITIONAL COMPUTER SCIENCE**

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

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**Supporting Coursework**

MA171 Calculus I (4 hrs)

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MA172 Calculus II (4 hrs)

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MA291 Introduction to Higher Mathematics (3 hrs)

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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

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**TRACK 2: COMPUTER INFORMATION SYSTEMS**

AC141 Introduction to Financial Accounting

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BS141 Introduction to Business

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BS230 Quantitative Analysis for Business and Economics I

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BS330 Quantitative Analysis for Business and Economics II

UC \_\_\_\_\_

BS331 Business Information Systems

UC \_\_\_\_\_

BS353 Fundamentals of Management

UC \_\_\_\_\_

EC242 Principles of Economics: Micro

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STUDENT NAME: \_\_\_\_\_

STUDENT NUMBER: \_\_\_\_\_

DATE: \_\_\_\_\_