

WASHBURN UNIVERSITY BACHELOR OF SCIENCE COMPUTER INFORMATION SCIENCE

As of August 2015
Expires: Summer 2022

CIS Core - 13 hrs

CM111 Intro to Structured Programming (4)
CM231 Computer Organization/Assembler (3)
CM245 Contemporary Programming Methods (3)
CM261 Networked Systems I (3)

CIS Required - 21 hrs

CM307 Data Structures & Algorithmic Analysis (3)
CM322 Operating Systems (3)

One of:

CM331 Computational Intelligence (3) or
CM332 Data Mining (3)

CM333 Software Engineering (3)
CM336 Database Management Systems (3)
CM361 Network Systems II (3)
CM467 CIS Capstone Project (2)
CM468 CIS Senior Seminar (1)

Approved Elective CM Coursework - 12 hrs

These courses should be selected in consultation with a departmental advisor. A minimum of 6 hours must be upper division. In order to reach the 45 hours of UD you may need to take more hours than 6 hours UD.

Correlated - 32 hrs

PH220 Logic (*HU) (3)
EC200 Principles of Microeconomics (*SS) (3)
EC201 Principles of Macroeconomics (*SS) (3)

One of:

BU342 Organization and Management (3) or
BU346 Organizational Behavior (3)

EN208 Business/Technical Writing (*HU) (3)
CN150 Public Speaking (*HU) (3)

One of:

CN 340 Professional Interviewing (3) or
CN 341 Persuasive Speaking (3)

One of:

MA140 Statistics (*NSM) (3) or
MA343 Applied Statistics (3)
MA151 Calculus (*NSM) (5)
MA206 Discrete Math-Computing (*NSM) (3)

*These courses are part of the general education program.

UNIVERSITY AND GENERAL EDUCATION REQUIREMENTS

For a complete listing of the requirements for the Bachelor's degree, please consult the University catalog. Although you, the student, are ultimately responsible for ensuring that the minimum degree requirements are met, you should choose a departmental advisor during your sophomore year to assist you.

English

EN101 Freshman Composition
EN300 Junior English Composition

The Washburn Experience

WU 101 The Washburn Experience

Mathematics Competency

Successful completion of MA140

Gen. Ed. Humanities (*HU) - 9 hrs

At least 3 hrs in Art, Music, or Theatre (AMT)
Maximum of 6 hrs per discipline

Gen. Ed. Nat Science/Math (*NSM) - 9 hrs

Maximum of 6 hrs per discipline

Gen. Ed. Social Sciences (*SS) - 9 hrs

Maximum of 6 hrs per discipline. Should take PY or SO or both as prerequisites for BU342/346.

30-Hour Minor in Natural Sciences/Math

A **thirty-hour minor** in Mathematics and Natural Sciences is required with at least **20** of the **30** hours in **one discipline**. The courses must be approved by the Department. **(If the minor is in Math, then MA152, MA207, and MA301, are required).**

NOTE:

1. Of the minimum **124** hours required to graduate, **76** hours must be **outside your major**. If you take more than 48 CM hours toward the B.S., you must add the number of hours over 48 to 124. (i.e., If you take 51 hours of CM, you must have 127 total hours to graduate.)
2. Of the minimum **124** hours required to graduate, **99** hours must be **College of Arts & Sciences** credits.
3. You must take at least **45** hours of **upper division** coursework (numbered 300 or above).
4. No course required for the degree (major or correlated) may be taken pass/fail and a **grade of C or better** is required.
5. Transfer students must take at least **9** hours of **upper division** CM courses from Washburn. Transfer hours in your major must be approved by the Department. At least 25% of credit hours required for the major must be taken at Washburn.

Stoffer Science Hall, Room 304
(785) 670-1739

Dr. Bruce Mechtly, Chair
www.washburn.edu/cas/cis