

Washburn University

Bachelor of Arts in Computer Information Science

As of August 2023, Expires Summer 2030

CIS Core – 13 hours

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

CIS Required – 21 hours

CM307 Data Structs. & Alg. Analysis (3) (S)
CM322 Operating Systems (3) (F)
One of the following two:
CM331 Artificial Intelligence (3) (F) or
CM332 Data Mining (3) (F)
CM333 Software Engineering (3) (F)
CM336 Database Management Systems (3) (S)
CM361 Introduction to Cybersecurity (3) (S)
CM465 CIS Capstone Project (3)

Approved Elective CM Coursework – 6 hours

Courses should be selected in consultation with a department advisor. All 6 hours must be upper-division.

Correlated – 30-32 hours

CN150 Public Speaking (*HU) (3)
MA140 Statistics (*NSM) (3)
One of the following two:
MA141 Applied Calculus I (*NSM) (3) or
MA151 Calculus (*NSM) (5)
EC200 Principles of Microeconomics (*SS) (3)
EC201 Principles of Macroeconomics (*SS) (3)
MA206 Discrete Math for Computing (3)
EN208 Professional Writing (*HU) (3)
PH220 Logic (*HU) (3)
One of the following two:
CN340 Professional Interviewing (3) or
CN341 Persuasive Speaking (*HU) (3)
One of the following two:
BU342 Organization and Management (3) or
BU346 Organizational Behavior (3)

*These courses are part of the gen ed program.
(F) Indicates Fall Semester only.
(S) Indicates Spring Semester only.

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 freshman year to assist you.

English

EN101 First-Year Writing (3)
EN300 Advanced College Writing (3)

The Washburn Experience

WU101 The Washburn Experience (3)

Mathematics Competency

Successful Completion of MA140

Foreign Language Requirement

Completion of a 102-level course in Modern Languages.

Gen. Ed. Humanities (*HU) – 15 hrs

At least 3 hrs in Art, Music, or Theatre (AMT)
At least 2 disciplines other than AMT
Maximum of 6 hrs per discipline

Gen. Ed. Nat. Science/Math (*NSM) – 12 hrs

Maximum of 6 hrs per discipline
At least 2 non-mathematics disciplines

Gen. Ed. Social Sciences (*SS) – 15 hrs

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

Notes:

1. Of the minimum **120** hours required to graduate, **80** hours must be **outside your major**.
2. Of the minimum **120** 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). The courses listed above total 36 hours in upper division.
4. No course required for the degree (major, minor, 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. Nan Sun, Chair
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