# COMPUTER SCIENCE B.A.

## Admission Requirements

Complete the following admission requirements:

Students are ready to declare a B.A. in computer science when they successfully:

- pass CS F103; OR
- place into MATH F122X or MATH F151X.

## Program Requirements

< Back to Department (https://catalog.uaf.edu/academic-departments/computer-science/)

## Minimum Requirements for Computer Science B.A.: 124 credits

Students must earn a C- grade or better in each course.

| Code | Title | Credits |
| --- | --- | --- |
| **General University Requirements** | | |
| Complete the general university requirements. (https://catalog.uaf.edu/bachelors/#gurbachelorsdegreestext) | | |
| **General Education Requirements** | | |
| Complete the general education requirements. (https://catalog.uaf.edu/bachelors/#generaleducationrequirementstext) | | 35-40 |
| As part of the general education requirements, complete the following: | | |
| MATH F230X | Essential Calculus with Applications | |
| or MATH F251X | Calculus I | |
| **B.A. Degree Requirements** | | |
| Complete the B.A. degree requirements. (https://catalog.uaf.edu/bachelors/#bachelorofartstext) | | 37 |
| **Computer Science Program Requirements** | | |
| Complete the following: | | |
| CS F201 | Computer Science I | 3 |
| CS F202 | Computer Science II | 3 |
| CS F241 | Computer Hardware Concepts | 4 |
| CS F301 | Assembly Language Programming | 3 |
| CS F311 | Data Structures and Algorithms | 3 |
| CS F321 | Operating Systems | 3 |
| CS F331 | Programming Languages | 3 |
| CS F371 | Computer Ethics and Technical Communication | 3 |
| CS F372 | Software Construction | 3 |
| CS F441 | System Architecture | 3-4 |
| or EE F443 | Computer Engineering Analysis and Design | |
| CS F471 | Senior Capstone I [1] | 3 |
| CS F472 | Senior Capstone II [1] | 3 |
| STAT F200X | Elementary Statistics | 3 |
| or STAT F300 | Statistics | |
| Electives in computer science at the F300 or F400 level, or approved electives. | | 12 |
| **Total Credits** | | **124-130** |

[1] Fulfills the baccalaureate capstone requirement.