



# Board of Regents Program Action Request Proposal to Add or Change a Program of Study

College of Engineering and Mines

Georgetown College

AF

Proposed by:

Head, Department and Department Chair:

Department:

College:

Request Number:

Date:

Request Type:

Request Status:

Request Description:

Request Summary:

Request Details:

Request History:

Request Comments:

Request Actions:

Request Status:

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Request Details:

Required. If yes, discuss the extent, probable cost, and anticipated funding source(s), in addition to those listed above.

FD Number

FD-100 (If positions eliminated or program discontinued)

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**MOTION:**

The UAF Faculty Senate moves to approve the Computer Science Bachelor of Arts

courses for a math minor.

A Bachelor of Arts degree would broaden access to the CS degree.

and rigorous C++ program.

in a bachelor of

Adding this

retain

sit minor complex

in addition to the current courses offered every semester in the computer science program, the proposed minor includes computer architecture, and a follow-up

for the student's benefit:

Alternatively...

It is proposed...

It is recommended...

UAF Faculty Senate

# COMPUTER SCIENCE BACHELOR OF ARTS

## In Workflow

1. CS Chair (jdgenetti@alaska.edu)
2. EM Curriculum Chair (swkim@alaska.edu)
3. EM Dean (weschnabel@alaska.edu)
4. Faculty Senate Coordinator (jjruge@alaska.edu; aclindsoe@alaska.edu)
5. UCRC Admin (pwestley@alaska.edu; zjones@alaska.edu; aclindsoe@alaska.edu; rhpike2@alaska.edu)
6. UCRC Sort (rhpike2@alaska.edu; jjruge@alaska.edu; aclindsoe@alaska.edu)
7. CRC Team A1 (pdoak@alaska.edu)
8. Undergrad Curriculum Committee Chair (pwestley@alaska.edu; zjones@alaska.edu)
9. Faculty Senate President (ciwildfeuer@alaska.edu)





4 : Computer Science, Bachelor of Arts

Data below is from the US Bureau of Labor Statistics, <https://www.bls.gov/ooh/computer-and-information-technology/software-developers.htm>

Job opening information including how these predictions were determined

Now

: Computer Science, Bachelor of Arts 5

This program is modeled after UAA's BA in CS program, and is designed to bring the UAA and UAF computer science offerings closer



# Prospectus for Computer Science (CS) Bachelor of Arts (BA) Degree Program University of Alaska Fairbanks

## A. Mission & Goals

A program is to be...

of the CS...

...during the course of the degree.

## B. REQUIREMENTS

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State Symbols and Logos

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Spelling Books

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Standard Language

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Common Punctuation and  
Punctuation

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Follows Introduction

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Spelling Books

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Spelling Books

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Spelling Books

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Spelling Books

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**Briefly:**

- We include limited coursework in mathematics up to calculus level, which students use to understand program runtime costs, and statistics for understanding the results of controlled

- CS 201 (Computer Science I), 202 (Computer Science II), and 311 (Data Structures and Algorithms) are an introduction to professional-quality computer programming in C++, starting from simple loops and progressing to templated data structures.
- The computer architecture sequence of CS 241 (Computer Hardware Concepts) covers boolean logic and introduces students to gate-level circuit understanding of computer operation.

**3. The organizational arrangements that must be made within the institution to accommodate the change<sup>2</sup>:**

Make organizational arrangements within the Department of ...

department, using our existing department and faculty.

**4. Timetable for implementation<sup>3</sup>.**



