

## Computer Science, A.S.

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### Requirements

The CS Associate degree is a transfer degree used when a student is contemplating changing schools. Because it includes all general education classes, attempting to earn this degree four semesters will necessarily lengthen the time to earn a BS degree.

#### Total Program Credits: 62

General Education Requirements:		39 Credits	
	ENGL 1010	Introduction to Academic Writing	3
or	ENGL 1005	Literacies and Composition Across Context (5)	
	ENGL 2010	Intermediate Writing Academic Writing and Research	3
Complete one of the following:		3	
	MAT 1030	Quantitative Reasoning (3) (recommended for Humanities or Arts majors)	
	MAT 1035	Quantitative Reasoning with Integrated Algebra (6)	
	STAT 1040	Introduction to Statistics (3) (recommended for Social Science majors)	
	STAT 1045	Introduction to Statistics with Algebra (5)	
	MATH 1050	College Algebra (4) (recommended for Business, Education, Science, and Health Professions majors)	
	MATH 1055	College Algebra with Preliminaries (5)	
	MATH 1090	College Algebra for Business (3) (recommended for Business majors)	
Complete one of the following:		3	
	HIST 2700	US History to 1877 (3)	
and	HIST 2710	US History since 1877 (3)	
	HIST 1700	American Civilization (3)	
	HIST 1740	US Economic History (3)	
	POLS 1000	American Heritage (3)	
	POLS 1100	American National Government (3)	
Complete the following:			
	PHIL 2050	Ethics and Values	3
	HLTH 1100	Personal Health and Wellness (2)	
or	PES 1097	Fitness for Life	2
Distribution Courses			
Humanities:			
	COMM 1020	Public Speaking	2
and	COMM 1025	Public Speaking Lab (recommended)	1
Social Science:			
	COMM 2110	Interpersonal Communication (recommended)	3

Physical Science:			
	PHYS 2210	Physics for Scientists and Engineers I <sup>1</sup>	4
	PHYS 2215	Physics for Scientists and Engineers I Lab <sup>1</sup>	1
Additional Physical Science:			
	PHYS 2220	Physics for Scientists and Engineers II <sup>1</sup>	4
	PHYS 2225	Physics for Scientists and Engineers II Lab <sup>1</sup>	1
Additional Distribution Courses			
	Biology		3
	Fine Arts Distribution		3
Discipline Core Requirements:		23 Credits	
	CS 1400	Fundamentals of Programming <sup>1</sup>	3
	CS 1410	Object-Oriented Programming <sup>1</sup>	3
	CS 2300	Discrete Mathematical Structures I <sup>1</sup>	3
	CS 2420	Introduction to Algorithms and Data Structures <sup>1</sup>	3
	CS 2550	Web Programming I	3
	CS 2810	Computer Organization and Architecture <sup>1</sup>	3
	MATH 1210	Calculus I <sup>1</sup>	5

#### Graduation Requirements:

1. Completion of a minimum of 62 semester credits.
2. Overall grade point average of 2.0 (C) or above with no grade lower than a C- in Discipline Core courses.
3. Residency hours -- minimum of 20 credit hours through course attendance at UVU.
4. Completion of GE and specified departmental requirements.

#### Footnote

<sup>1</sup>Minimum grade of C- required

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### Graduation Plan

This is a sample graduation plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in [Wolverine Track](#).

Milestone courses (pre-requisites for a course in one of the subsequent semesters) are marked in red and italicized.

Semester 1	Course Title	Credit Hours
CS 1400	Fundamentals of Programming	3
<i>ENGL 1010 or ENGH 1005</i>	Introduction to Academic Writing or Literacies and Composition Across Context	3
<i>MAT 1030/MAT 1035/STAT 1040/STAT 1045/MATH 1050/MATH 1055/MATH 1090</i>	Quantitative Reasoning/Quantitative Reasoning with Integrated Algebra/Introduction to Statistics/Introduction to Statistics with Algebra/College Algebra/College Algebra with Preliminaries/College Algebra for Business	3
General Education	Choose from American Institutions Distribution list	3
General Education	Choose from HLTH 1100 or PES 1097	2
	Semester total:	14
Semester 2	Course Title	Credit Hours
CS 1410	Object Oriented Programming	3
CS 2810	Computer Organization & Architecture	3
ENGL 2010	Intermediate Writing Academic Writing and Research	3
General Education	Choose from Biology Distribution List	3
	Semester total:	12
Semester 3	Course Title	Credit Hours
CS 2420	Introduction to Algorithms & Data Structures	3
CS 2300	Discrete Mathematical Structures I	3
<i>MATH 1210</i>	Calculus I	5
COMM 1020 and COMM 1025	Public Speaking and Public Speaking Lab (recommended for Humanities)	3
	Semester total:	14
Semester 4	Course Title	Credit Hours
<i>PHYS 2210</i>	Physics for Scientists and Engineers I	4
PHYS 2215	Physics for Scientists and Engineers I Lab	1
CS 2550	Web Programming I	3
COMM 2110	Interpersonal Communications (recommended for Social Science)	3
PHIL 2050	Ethics and Values	3
	Semester total:	14

Semester 5	Course Title	Credit Hours
PHYS 2220	Physics for Scientists and Engineers II	4
PHYS 2225	Physics for Scientists and Engineers II Lab	1
General Education	Choose from Fine Arts Distribution list	3
	Semester total:	8
	Degree total:	62