

### COMPUTER SCIENCE CORE REQUIREMENTS

AS-  
COSC2

COURSE #	COURSE TITLE	PREREQUISITE	CR	
CS 1400	Fundamentals of Programming	Math at least equivalent to high school algebra and trigonometry. CS 1030 recommended	3.0	F,Sp,Su
CS 1410	Object-Oriented Programming	Math at least equivalent to high school algebra and trigonometry.	3.0	F,Sp,Su
CS 2300	Discrete Mathematical Structures I	CS 1410 & (MATH 1050 or higher)	3.0	F,Sp
CS 2370	C++ Programming	CS 1410	3.0	F Sp Su
CS 2420	Intro to Algorithms & Data Structures	CS 1410	3.0	F,Sp,Su
CS 2550	Web Programming I	CS 1410 or DGM 2760 or INFO 1200	3.0	F,Sp,Su
CS 2810	Computer Organization and Architecture	CS 1400	3.0	F,Sp,Su

### GENERAL EDUCATION REQUIREMENTS

COURSE #	COURSE TITLE	PREREQUISITE	CR
ENGL 1010 or ENGH 1005	Introduction to Writing Literacies & Compositions Across Contexts cc	Appropriate test scores within 5 years ENGL 0890 (or appropriate placement scores.)	3.0
ENGL 2010	Intermediate Writing	ENGL 1010 with C- or higher, ENGH 1005 with C or higher, or appropriate test scores within 3 years	3.0
MATH 1210	Calculus I (Minimum grade of C- required for AS degree; C+ for BS degree)	Within the past two years one of the following: (MATH 1050 and MATH 1060) or (MATH 1080), each with a C grade or higher. OR, appropriate placement score.	4.0
AMERICAN INSTITUTIONS Choose option 1 or 2	1. (One class) HIST 1700 American Civilization, or HIST 1740 US Economic History, or POLS 1000 American Heritage, or POLS 1100 American National Gov't 2. (Two classes) US History (HIST 2700 & HIST 2710)		3.0
HLTH 1100 or EXSC 1097	Personal Health & Wellness or Fitness for Life		2.0
PHIL 2050	Ethics & Values	ENGL 1010 (ENGL 2020 highly recommended.)	3.0
HUMANITIES DISTRIBUTION (See Wolverine Track for options)			3.0
SOCIAL/BEHAVIORAL SCIENCE DISTRIBUTION (See Wolverine Track for options)			3.0
PHYSICAL SCIENCE DISTRIBUTION (See Wolverine Track for options)			3.0
<b>THIRD SCIENCE DISTRIBUTION—Complete one of the following:</b>			5.0
CHEM 1210 & 1215	Principles of Chemistry I and Lab	MATH 1080, 1050, 1055 with C- or better or placement into 1060 or higher, (CHEM 1010 or high school recommended.) Corequisite: CHEM 1215	
BIOL 1610 & 1615	College Biology I and Lab	ACT (or equivalent) composite score of 21+, or completion of ENGL1010 (or higher) with a minimum grade of C-	
GEO 1010, 1015, & 202R	Introduction to Geology, Lab, & Excursion		
PHYS 2020 & 2025	Physics for Scientists and Engineers I and Lab	PHYS 2010 Corequisite(s): PHYS 2025	
PHYS 2220 & 2225	Physics for Scientists and Engineers II and Lab	PHYS 2210 Corequisite(s): PHYS 2225 and Pre or Corequisite: MATH 1220	
BIOLOGY SCIENCE DISTRIBUTION (see Wolverine Track for class list)			3.0
FINE ARTS DISTRIBUTION (see Wolverine Track for class list)			3.0
			Core Credits Required
			21
			GE Credits Required
			40
Total Credits Required for Degree:			61

✓ **Minimum grade of "C-" required unless a higher grade is designated.**

#### Graduation Requirements:

1. Completion of a minimum of 61 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.