

**COMPUTING & NETWORKING CORE REQUIREMENTS**

AAS-  
COSC2-  
CPNW

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 2600	Computer Networks I	CS 2810 or (INFO 1200 and IT 1600)	3.0	F,Sp
CS 2810	Computer Organization & Architecture	CS 1400	3.0	F,Sp,Su

**COMPUTING & NETWORKING EMPHASIS REQUIREMENTS**

CS 1410	Object-Oriented Programming	CS 1400 and 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,Su
CS 2370	C++ Programming	CS 1410	3.0	F,Sp
CS 2420	Intro to Algorithms & Data Structures	CS 1410	3.0	F,Sp,Su
CS 2450	Software Engineering	CS 2300, CS 2420	3.0	F,Sp,Su
CS 2550	Web Programming I	CS 1410 or DGM 2760 or INFO 1200	3.0	F,Sp,Su
CS 2690	Computer Networks II	CS 1410, CS 2300, CS 2370, CS 2600, and Pre- or Corequisite: MATH 1210	3.0	F,Sp
MATH 1210	Calculus I (minimum grade of C- required for AAS degree; C+ for BS)	One of the following within the past 2 years: (MATH 1050 & MATH 1060) or (MATH 1080) each with a grade of C or higher; OR appropriate math placement score.	4.0	F,Sp,Su

**COMPUTING & NETWORKING ELECTIVE REQUIREMENTS**

Complete 16 credits from the following courses (minimum grade of C- required). (Must be approved by CSE Department. See CS Advisor):

CS 1030	Foundations of Computer Science		3.0	F,Sp,Su
CS 281R	Internship (3.0 credits max.)	Prerequisite(s): Department approval. May be repeated 3 times.	3.0	F,Sp,Su
ECE 2700	Digital Design I &	Prerequisite(s): MATH 1050 or MATH 1055	3.0	F,Sp
ECE 2705	Digital Design I Lab	& Corequisite(s): ECE 2705	1.0	
IT 1510	Intro. to System Administration--Linux/UNIX	INFO 1120 recommended	3.0	F,Sp,Su
MATH 1220	Calculus II	MATH 1210 or MATH 121H with a grade of C or higher	5.0	F,Sp,Su
PHYS 2215	Physics for Scientists & Engineers I Lab	Corequisite(s): PHYS 2210	1.0	F,Sp,Su

**GENERAL EDUCATION REQUIREMENTS**

COURSE #	COURSE TITLE	PREREQUISITE	CR
ENGL 1010 or ENGH 1005 (5 cr.)	Introduction to Writing Literacies and Compositions Across Contexts CC	Appropriate placement scores within last 5 years ENGH 0890 (or appropriate placement scores.)	3.0
HUMANITIES/FINE ARTS/ FOREIGN LANGUAGE1	(see Wolverine Track for class list)		3.0
PHYS ED/HEALTH/ SAFETY	HLTH 1100 or EXSC 1097		2.0
SOCIAL/BEHAVIORAL	COMM 2110		3.0
BIOLOGY or PHYS 2210	(see Advisor for suggestions)		3.0

Core Credits Required	9
Emphasis Credits Required	26
Elective Credits Required	16
GE Credits Required	13
Total Credits Required for Degree:	64

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

ADVISOR SITE: <https://www.uvu.edu/cet/advising/departments/cs.html>

**Graduation Requirements:**

1. Completion of a minimum of 64 semester credits.
2. Overall grade point average of 2.0 (C) or above.
3. Residency hours -- minimum of 20 credit hours through course attendance at UVU.

Footnote:      <sup>1</sup> COMM 1020 and COMM 1025 recommended      <sup>2</sup> HLTH 1100 or PES 1097 recommended