

Computer Science - Computing and Networking Sciences Emphasis, A.A.S.

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Requirements

The program introduces the student to a wide range of networking and data communications technologies and entry level programming.

Total Program Credits: 63

General Education Requirements:		13 Credits	
A minimum of 16 credits of General Education requirements are required for graduation. Not all GE requirements are listed in this section (see Specialty Core requirements for more details).			
	ENGL 1010	Introduction to Academic Writing CC	3
or	ENGL 1005	Literacies and Composition Across Contexts CC (5)	
HUMANITIES/FINE ARTS/FOREIGN LANGUAGE ¹		3	
	COMM 2110	Interpersonal Communication SS (Minimum grade of C- required)	3
Choose one of the following:			
BIOLOGY		3	
or	PHYS 2210	Physics for Scientists and Engineers I PP (4) (Minimum grade of C- required)	
PHYSICAL EDUCATION/HEALTH/SAFETY OR ENVIRONMENT ²		1	
Discipline Core Requirements:		9 Credits	
Complete the following:			
	CS 1400	Fundamentals of Programming (Minimum grade of C- required)	3
	CS 2600	Computer Networks I (Minimum grade of C- required)	3
	CS 2810	Computer Organization and Architecture (Minimum grade of C- required)	3
Emphasis Requirements:		25 Credits	
Complete the following:			
	CS 1410	Object-Oriented Programming	3
	CS 2300	Discrete Mathematical Structures I	3
	CS 2420	Introduction to Algorithms and Data Structures	3
	CS 2370	C plus plus Programming WE	3
	CS 2450	Software Engineering	3
	CS 2550	Web Programming I	3
	CS 2690	Computer Networks II	3
	MATH 1210	Calculus I QL	4
Emphasis Elective Requirements:		16 Credits	
Complete 16 credits from the following courses (minimum grade of C- required). (Must be approved by CSE Department. See CSE Advisor):			
	CS 1030	Foundations of Computer Science (3)	

	CS 281R	Internship (1-8) (3 credits max)	
	ECE 2700	Digital Design I (3)	
and	ECE 2705	Digital Design I Lab (1)	
	IT 1510	Introduction to System Administration--Linux/UNIX (3)	
	MATH 1220	Calculus II (4)	
	PHYS 2215	Physics for Scientists and Engineers I Lab (1)	

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:

¹ COMM 1020 Public Speaking HH recommended

² HLTH 1100 Personal Health and Wellness TE or EXSC 1097 Fitness for Life TE recommended

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Graduation Plan

This graduation plan is a sample 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](#).

Semester 1	Course Title	Credit Hours
ENGL 1010 or ENGH 1005	Introduction to Academic Writing CC or Literacies and Composition Across Context CC	3
MATH 1210	Calculus I QL	4
COMM 2110	Interpersonal Communications SS	3
Biology or Physical Science Distribution		3
CS 1400	Fundamentals of Programming	3
Semester total:		16
Semester 2	Course Title	Credit Hours
PE/HLTH	HLTH 1100 Recommended	1
Humanities or Fine Arts	Comm 1020 Recommended	3
CS 1410	Object Oriented Programming	3
CS 2810	Computer Organization & Architecture	3
Emphasis Elective		3
Emphasis Elective		3
Semester total:		16
Semester 3	Course Title	Credit Hours
CS 2300	Discrete Mathematical Structures I	3
CS 2420	Introduction to Algorithms & Data Structures	3
CS 2370	C plus plus Programming WE	3
CS 2550	Web Programming I	3
CS 2600	Computer Networks I	3
Semester total:		15
Semester 4	Course Title	Credit Hours
CS 2450	Software Engineering	3
CS 2690	Computer Networks II	3
Emphasis Elective		3
Emphasis Elective		3
Emphasis Elective		3
Emphasis Elective		1
Semester total:		16
Degree total:		63