

DISCIPLINE CORE REQUIREMENTS				
COURSE #	COURSE TITLE	PREREQUISITE	CR	
CS 1400*	Fundamentals of Programming	MAT 1000 or 1010 or math test score. CS 1030 recommended	3	F, Sp, Su
CS 2600*	Computer Networks I	CS 2810 or (INFO 1200 and IT 1600)	3	F, Sp
CS 2810*	Computer Organization and Architecture	CS 1400	3	F, Sp, Su
EMPHASIS REQUIREMENTS				
CS 1410	Object-Oriented Programming	CS 1400	3	F, Sp, Su
CS 2300	Discrete Mathematical Structures I	CS 1410 and (MATH 1050 or higher)	3	F, Sp, Su
CS 2420	Intro to Algorithms and Data Structures	CS 1410	3	F, Sp, Su
CS 2690	Computer Networks II	CS 1410, CS 2300, CS 2600, Pre- or Corequisite: MATH 1210	3	F, Sp
CS 3060	Operating Systems Theory	CS 2420, 2810, COSC	3	F, Sp
CS 3250 or CS 3260	Java Software Development CsharpNET Software Development	CS 2420, COSC COSC	3	F F, Sp
CS 3520	Database Theory	COSC	3	F, Sp, Su
MATH 1060	Trigonometry	Within the past two years: MATH 1050 or MATH 1055 with a grade of C or higher or appropriate math placement score.	3	F, Sp, Su
Emphasis Elective Requirements				
Complete 18 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	N/A	3	F, Sp, Su
CS 2250 or CS 3250	Java Programming Java Software Development	CS 1400 CS 2420, COSC	3	N/A F
CS 2370 or CS 3370	C++ Programming C++ Software Development	CS 1400 2810, COSC	3	N/A F, Sp
CS 2450*	Software Engineering	CS 2300, 2420	3	F, Sp, Su
CS 2550	Web Programming	CS 1410 or DGM 2760 or INFO 1200	3	F, Sp
CS 281R	Internship	See Internship Coordinator, Department Approval	1-3	F, Sp, Su
CS 3260	CsharpNET Software Development	COSC	3	F, Sp
CS 3410	Human Factors in Software Development	CS 3250 or CS 3260 or CS 3370 or INFO 2200	3	F
CS 3660	Web Programming II	CS 2420, CS 2550, & (CS 3250 or CS 3260 or CS 3270 or CS 3370)	3	F, Sp
CS 3670	Network Programming	CS 2690, CS 3250	3	Sp
CS 4470	Artificial Intelligence	CS 3240, 3310, 3320 (CS 3250 or 3260 or 3270 or 3370)	3	F
CS 4610	TCP/IP Internet Architecture	CS 2690, COSC	3	F
ECE 2700	Digital Design I	MATH 1050 or MATH 1055. Corequisite ECE 2705	3	F
ECE 2705	Digital Design I Lab	MATH 1050 or MATH 1055. Corequisite ECE 2700	1	F
ECE 3750	Engineering Analysis	ECE 1000, MATH 1220	3	F
IT 1510	Intro Sys Admin Linux/Unix Operating System	INFO 1120 recommended	3	F, Sp, Su
IT 3510	System Administration Linux/Unix	[INFO 1200 and IT 1510 and (IT 2600 or CS 2600) all with a grade of C- or higher within the past five years]	3	F, Sp, Su
MATH 1210	Calculus I	One of the following within the past two years: (MATH 1050 or MATH 1055) and MATH 1060, each with a grade of C or higher; MATH 1080 with a grade of C or higher; appropriate placement by math placement test.	5	F, Sp, Su
MATH 1220	Calculus II	MATH 1210 with a grade of C or higher	5	F, Sp, Su
PHYS 2215	Physics for Scientist & Engineers Lab	MATH 1210, Co-requisite PHYS 2210	1	F, Sp, Su

UAS - University Advanced Standing Requirement: Before students can register for upper-division coursework (3000 or higher), they must qualify for University Advanced Standing (UAS) by:

- Completing, and/or transferring in, at least 24 credits of college-level coursework (1000 or higher);
- Having a cumulative GPA of 2.0 or higher;
- Complete Quantitative Literacy, (MAT 1030 or higher) and ENGL 2010 or equivalent.

GENERAL EDUCATION REQUIREMENTS

COURSE #	COURSE TITLE	PREREQUISITE	CR
ENGL 1010	Introduction to Writing	ENGL 1000 with C- or higher (or appropriate test scores within 5 years)	3
HLTH 1100 or PES 1097	Personal Health & Wellness Fitness for Life		2
COMM 1020*	Public Speaking	COMM 1020 required for Computer Science also counts as Humanities	3
COMM 2110*	Interpersonal Communication	COMM 2110 required for Computer Science also counts as Humanities	3
Biology or PHYS 2210* Physics for Scientists and Engineers I		MATH 1210, Co-requisite PHYS 215	5
Total Credits Required for Degree:			64

BIOLOGY (BB)

BIOL 1010/101H General Biology
 BIOL 1070 Genetics
 BIOL 1200 Prehistoric Life
 BIOL 1500 Biological Anthropology
 BIOL 1610 College Biology I

BIOL 1620 College Biology II
 *BIOL 204R Natural History Excursion
 BIOL 2500 Environment Biology
 BOT 2050 Field Botany
 BOT 2100 Flora of Utah
 BOT 2400 Plant Kingdom
 BTEC 1010 Fund in Biotech I Career Surv

HLTH 3400 Human Diseases
 MICR 2060 Microbiology for Health Prof
 NUTR 2020 Nutrition Through Life Cycle
 ZOOL 1090 Intro Human Anat/Phys
 ZOOL 2320/232H Human Anatomy

NOTE: Students planning to continue on for a Bachelor's Degree should work closely with a CS Advisor.

NOTE: Minimum grade of C- required in these and all courses marked with asterisk*. Minimum cumulative GPA of 2.0 required.

Residency hours - - minimum of 20 credit hours through course attendance at UVU required.

COSC: Matriculation into Advanced Standing required: (CS 1400, 1410, 2300, 2420 Min grade C+) & (MATH 1210, ENGL 1010 Min grade C). Each class may not be repeated more than once.

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.

Advisors:

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