

Course No.	Course Title	Prerequisite	CR	Semester offered
General Education Requirements				
ENGL 1010 or ENGH 1005	Introduction to Writing Foundations of Academic Writing	Appropriate placement score	3	Fa/ Sp/ Su
		ENGL 0890 or appropriate placement score	5	Fa/ Sp/ Su
ENGL 2010	Intermediate Academic Writing	ENGL 1010 or ENGL 101H w/ grade of C- or better in the last 3 years	3	Fa/ Sp/ Su
MATH 1050 or MATH 1055	College Algebra or College Algebra with Preliminaries	MAT 1000 or MAT 1010 w/ grade of C or better w/in the past 2 years; or Appropriate placement by the ALEKS placement test: 38-45	4 5	Fa/ Sp/ Su Fa/ Sp/ Su
American Institutions: Complete ONE of the following:			3	
HIST 2700 & HIST 2710	US History to 1877 US History since 1877			Fa/ Sp/ Su
HIST 1700	American Civilization			Fa/ Sp/ Su
HIST 1740	US Economic History			Fa/ Sp/ Su
POLS 1000	American Heritage			Fa/ Sp/ Su
POLS 1100	American National Government			Fa/ Sp/ Su
Distribution Courses: (see catalog for list of approved courses)				
Personal, Professional, and Civic Growth Distribution			3	Fa/ Sp/ Su
Humanities Distribution			3	Fa/ Sp/ Su
Fine Arts Distribution			3	Fa/ Sp/ Su
Social/Behavioral Science Distribution			3	Fa/ Sp/ Su
Life Science Distribution			3	Fa/ Sp/ Su
Physical Science Distribution			3	Fa/ Sp/ Su
General Education Requirements Total Credits			31	
Computer Science Education Requirements				
CS 1380	Modern Programming Essentials	Math at least equivalent to college algebra	3	Fa/ Sp/ Su
CS 1400	Fundamentals of Programming	Math at least equivalent to high school algebra and trigonometry, CS 1030 recommended	3	Fa/ Sp/ Su
CS 1410	Object Oriented Programming	CS 1400 and Math at least equivalent to college algebra	3	Fa/ Sp/ Su
CS 2300	Discrete Mathematical Structures I	CS 1410 and (MATH 1050 or higher)	3	Fa/ Sp/ Su
CS 2420	Introduction to Algorithms and Data Structures	CS 1410	3	Fa/ Sp/ Su
CS 2450	Software Engineering	CS 2300, CS 2420	3	Fa/ Sp/ Su
CS 2550	Web Programming I	CS 1410 or INFO 1200 or DGM 2760	3	Fa/ Sp/ Su
CS 2600 or IT 2600	Computer Networks I or Communication Fundamentals	CS 2810 or (INFO 1200 & IT 1600)	3	Fa/ Sp
CS 2810	Computer Organization and Architecture	CS 1400	3	Fa/ Sp/ Su
CS 2900	Data Privacy and Security	CS 2420 & UAS	3	Fa/ Sp
CS 3050G	Global Social & Ethical Issues in Computing	ENGL 2010 & (CS 1030 or CS 1400 or INFO 1120)	3	Fa/ Sp/ Su
CS 3250 or CS 3260 or CS 3270 or CS 3360 or CS 3370 or CS 3380 or CS 3390R	Java Software Development or CsharpNET Software Development or Python Software Development or Software Development or Software Development or Software Development or Programming Language Other	CS 2420, matriculation & UAS Matriculation & UAS CS 2420 (or INFO 2200), matriculation & UAS 2420, matriculation & UAS CS 2370, CS 2810, matriculation, & UAS CS 2420, CS 2550, matriculation, & UAS	3	F/ Sp F/ Sp/ Su F/ Sp F/ Sp/ Su F/Sp F/Sp
CS 3450	Principles and Patterns of Software Design	(CS 3250 or 3260 or 3270 or 3370) & UAS	3	Fa/ Sp
CS 4300	Methods of Teaching Computer Science	(INFO 1120 or CS 1030) and (INFO 1200 or CS 1400) and UAS	3	
DGM 1110	Digital Media Essentials		4	Fa/ Sp/ Su
DWDD 1400	Digital Design Essentials		3	Fa/ Sp/ Su
DWDD 1600	Web Essentials		3	Fa/ Sp/ Su
EDSC 1010	Introduction to Education		2	Fa/ Sp
EDSC 3000	Educational Psychology	Matriculation in ED program and UAS	3	Fa/ Sp
EDSC 3250G	Equitable Technology Integration	Matriculation in ED program and UAS	2	Fa/ Sp/ Su
EDSC 4200	Classroom Management I	Matriculation in ED program and UAS	2	Fa/ Sp
EDSC 4250	Classroom Management II	Matriculation in ED program and UAS; coreq: EDSC 4850 and EDSC 4990	2	Fa/ Sp
EDSC 4440	Content Area Literacies	Matriculation in ED program and UAS	3	Fa/ Sp
EDSC 4450G	Multicultural and Multilingual Education	Matriculation in ED program and UAS	3	Fa/ Sp/ Su
EDSC 4550G	Secondary Curriculum Instruction and Assessment	Matriculation in ED program and UAS	3	Fa/ Sp
EDSC 4850	Student Teaching Secondary	Matriculation in ED program and UAS; completion of all other coursework	8	Fa/ Sp
EDSC 4990	Teacher Assessment Project	Matriculation in ED program and UAS; completion of all other coursework; coreq: EDSC 4250 and EDSC 4850	2	Fa/ Sp
EDSP 3400G	Exceptional Students		2	Fa/ Sp/ Su
Elective			6	
CSED Total Credits			90	
CS in Computer Science Education Total Credits			121	

Matriculation Requirements	
1.	Pass MATH 1050, ENGL 1010, and ENGL 2010 with a grade of "C" or better.
2.	Pass CS 1400, CS 1410, CS 2300 with a C+ grade or better, CS 2420 with a "B-" grade or better.
3.	GPA of 3.0 or higher with no grade lower than a C in content area courses.
4.	Completion of all General Education requirements and 70% of content area courses.
5.	Pass LiveScan Criminal Background Check.
Graduation Requirements	
1.	Completion of at least 121 semester credits required in the BS degree; at least 40 credit hours must be upper-division courses.
2.	Overall grade point average 2.0 or above with no grade lower than a "C-" in content area courses.
3.	Residency hours: Minimum of 30 credit hours through course attendance at UVU, with at least 10 hours earned in the last 45 hours. At least 12 of the credit hours earned in residence.
4.	All transfer credit must be approved in writing by UVU.
5.	No more than 80 semester hours and no more than 20 hours in CS type courses of transfer credit from a two-year college.
6.	No more than 30 semester hours may be earned through independent study and/or extension classes.
7.	Successful completion of at least one Global/Intercultural course.
8.	Successful completion of at least two Writing Enriched (WE) courses.