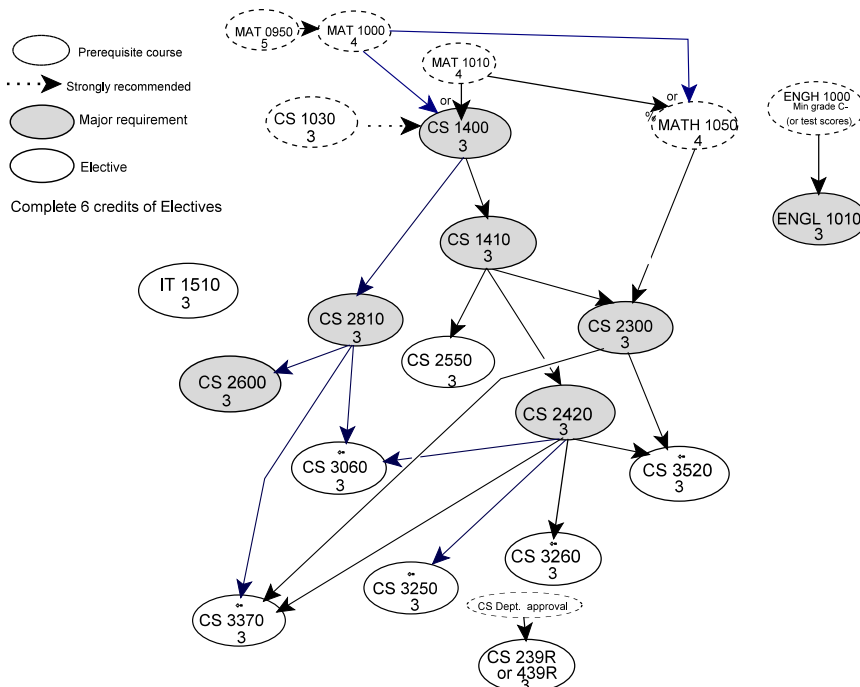


COURSE NO	COURSE TITLE	PREREQUISITE	CR
CS 1400*	Fundamentals of Programming	MAT 1000 or MAT 1010. CS 1030 recommended	3.0
CS 1410*	Object-Oriented Programming	CS 1400	3.0
CS 2300*	Discrete Mathematical Structures I	CS 1410, MATH 1050	3.0
CS 2420*	Intro to Algorithms and Data Structures	CS 1410	3.0
CS 2600*	Fundamentals of Data Communications	CS 2810	3.0
CS 2810*	Computer Organization and Architecture	CS 1400	3.0
IT 1510*	Introduction to System Administration Linux/UNIX	INFO 1120 recommended	3.0
ENGL 1010*	Introduction to Writing	ENGL 1000 with C- or higher (or appropriate test scores within 3 years)	3.0
Choose a minimum of 6 credits from the following*: (Must be approved by CS department.) CS 3250 Java Software Development (3) CS 3370 C++ Software Development (3) CS 239R Current Topics in Computer Science (3) CS 2550 Internet Programming (3) CS 3060 Operating Systems Theory (3) CS 3260 C#.NET Software Development (3) CS 3520 Database Theory (3)		COSC, UAS CS 2810, COSC, UAS CS Departmental Approval, UAS CS 1410 CS 2420, 2810 CS 2420, UAS CS 2300, 2420, UAS	6.0
Total Credits Required for Certificate			30.0

* NOTE: Minimum grade of "C-" required in these courses and all courses marked with asterisk*. Minimum cumulative GPA of 2.0 required.
 Residency hours - - minimum of 10 credit hours through course attendance at UVU required.
 UAS University Advanced Standing: Completion of min of 24 credits of 1000 or higher, completion of ENGL 2010 & MATH 1050 or higher, & min 2.0 GPA.
 ♦ NOTE: Students planning to continue on for a Bachelor's Degree should work closely with a CS Advisor.

Following is a diagram of the prerequisites. Students should be aware that not all courses are taught every semester. (Some prerequisites may not be required for the credit, but the knowledge is necessary for successful completion of the next course.) (Ex. MAT 1010 - Intermediate Algebra is a prerequisite for CS 1400, but is not a major requirement and is listed inside the dotted line.) The UVU catalog contains the descriptions and prerequisites for all courses.



UAS: University Advanced Standing: Completion of min of 24 credits of 1000 or higher, Completion of ENGL 2010 & MATH 1050 or higher, & Min 2.0 GPA -is prerequisite to all classes 3000 or higher
 ♦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
 *Minimum grade of C taken within the last two years required as prerequisite to MATH classes.
 Type 35 Words Per Minute is recommended for all CS classes.