

Certificate of Proficiency
Computer Science

Total Credits: 19

Certificate of Completion
Programmer

Total Credits: 30

Associate of Applied Science
Computer Science

Computing Networking Science Emphasis

Total Credits: 65

Bachelor of Science
Software Engineering

Total Credits: 125



Tracks

Stackable

SE

Semester 3		
CS 2420	Intro to Algorithms	3

Semester 2		
Math 1060	Trigonometry	
CS 1410	Object-Oriented Programming	3

Semester 1		
Math 1050	College Algebra	4
ENGL 1010	Intro Writing	3
CS 1030	Foundations of Programming	3
CS 1400	Fundamentals Programming	3

1. Overall GPA 2.0 or above.
2. Overall GPA 2.0 or above.
3. Minimum grade of C-.
4. Residency: minimum 10 credit hours through course attendance at UVU.
5. Students are responsible for completing all prerequisite courses.

***If long-range goal is AAS or BS in SE, take additional classes to stay on track for a 4-year graduation plan.**

Semester 4		
CS 32XX	3250, 3260, 3270, or 3370	3
CS 3060	Operating Systems	3

Semester 3		
CS 2300	Discrete Math I	3
CS 2420	Intro to Algorithms	3
CS 2600	Computer Networks I	3

Semester 2		
Math 1060	Trigonometry	3
CS 1410	Object-Oriented Programming	3
CS 2810	Computer Organization	3

Semester 1		
ENGL 1010	Intro Writing	3
Math 1050	College Algebra	3
CS 1400	Fundamentals Programming	3

Graduation Requirements:
1. Overall GPA 2.0 or above.
2. Minimum grade of C+ in CS 1400, CS 1410, CS2420, CS 2300. Minimum C in ENGL 1010 and MATH 1210. Minimum C- in other CS courses, plus Physics, 3rd Science, COMM 1020, and COMM 2110.
3. Residency: minimum 10 credit hours through course attendance at UVU.
4. Students are responsible for completing all prerequisite courses.

***If long-range goal is AAS or BS in SE, take additional classes to stay on track for a 4-year graduation plan.**

Semester 5		
CS 3240	Discrete Math II	3
CS 3410	Human Factors Software	3
CS 3450	Principle Pattern	3
CS Elective	From approved list	3
CS Elective	From approved list	3

Semester 4		
CS 2690	Computer Networks II	3
CS 2450	Software Engineering	3
CS 32XX	3250, 3260, 3270, or 3370	3
CS 3060	Operating Systems	3
CS 3520	Database Theory	3

Semester 3		
COMM 1020	Public Speaking	3
CS 2300	Discrete Math I	3
CS 2420	Intro to Algorithms	3
CS 2600	Computer Networks I	3
CS Elective	From approved list	3

Semester 2		
Biology	From approved list	3

Semester 1		
MATH 1210	Calculus I	5
ENGL 1010	Intro Writing	3
HLTH/PE	HLTH 1100 or PES 1097	2
CS 1400	Fundamentals Programming	3
COMM2110	Interpersonal Communication	3

Graduation Requirements:
1. Overall GPA 2.0 or above.
2. Minimum grade of C+ in CS 1400, CS 1410, CS2420, CS 2300. Minimum C in ENGL 1010 and MATH 1210. Minimum C- in other CS courses, plus Physics, 3rd Science, COMM 1020, and COMM 2110.
3. Residency hours: minimum of 20 credit hours through attendance at UVU.
4. Students are responsible for completing all prerequisite courses.

***If long-range goal is BS in SE, take classes as outlined to stay on track for a 4-year graduation plan. Green= recommended electives for stackable into BS in SE.**

Semester 8		
Fine Arts	From approved list	3
American Inst	From approved list	3
CS 4550	Software Engineering III	3
CS Elective	From approved list	3
CS305G	Global Soc Eth Issues	3

Semester 7		
BIOL or PHYSCI	From approved list	3
Phil2050	Ethics & Values	3
COMP301R	Digital Lecture Series	1
CS 4230	Software Testing	3
CS 4400	Software Engineering II	3
CS 4450	Analysis of Programming	3

Semester 6		
ECE 3710	Applied Probability	3
PHYSCI	From approved list	3
ENGL2020	Intermediate Writing	3
CS 3320	Numerical Software Dev	3
Specialty	Approved by Advisor	3
Specialty	Approved by Advisor	3

Semester 5		
CS 3240	Discrete Math II	3
CS 3410	Human Factors Software	3
CS 3450	Principle Pattern	3
CS Elective	From approved list	3
CS Elective	From approved list	3

Semester 4		
CS 2690	Computer Networks II	3
CS 2450	Software Engineering	3
CS 32XX	CS 3250, 3260, 3270, or 3370	3
CS 3060	Operating Systems	3
CS 3520	Database Theory	3

Semester 3		
COMM 1020	Public Speaking	3
CS 2300	Discrete Math I	3
CS 2420	Intro to Algorithms	3
CS 2600	Computer Networks I	3
CS Elective	From approved list	3

Semester 2		
Biology	From approved list	3

Semester 1		
MATH 1210	Calculus I	5
ENGL 1010	Intro Writing	3
HLTH/PE	HLTH 1100 or PES 1097	2
CS 1400	Fundamentals Programming	3
COMM2110	Interpersonal Communication	3

Graduation Requirements:
1. At least 40 credits of upper-division courses.
2. Overall GPA 2.0 or above.
3. Minimum 2.5 GPA in all discipline core, specialty core, and elective courses with no grade lower than C-.
4. Residency hours: minimum of 30 credit hours through course attendance at UVU, with at least 10 hours earned in the last 45 hours.
5. Students are responsible for completing all prerequisite courses.

NOTES: Take recommended courses in sequence. Follow the recommended electives (green) in the lower-division stackable tracks to ensure timely completion of advanced degrees. Not following this plan could lead to taking extra classes that do not count toward an advanced degree or could create prerequisite dependency problems, which could delay final graduation.

Elective