

Legend

General Education
Major
Emphasis Core
Electives

**Certificate of Proficiency
Computer Science**

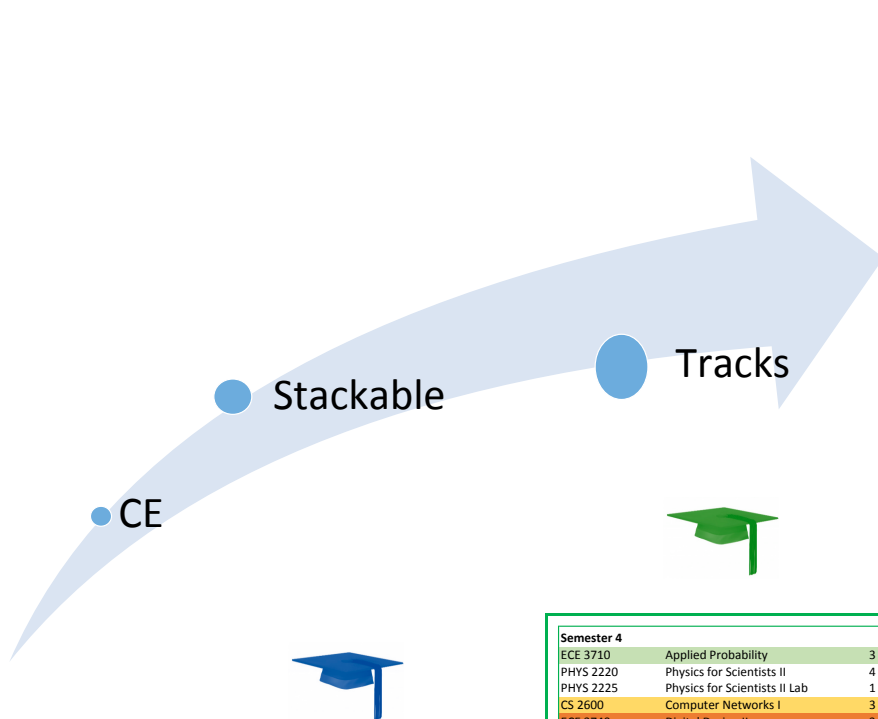
Total Credits: 19

**Associate of Applied Science
Computer Science
Computer Engineering Emphasis**

Total Credits: 64

**Bachelor of Science
Computer Engineering**

Total Credits: 126



Semester 3		
CS 2420	Intro to Algorithms	3
Semester 2		
Math 1060	Trigonometry	3
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

Graduation Requirements:

- Overall GPA 2.0 or above.
- Minimum grade of C+ in CS 1400, CS 1410, CS2420. Minimum C in ENGL 1010.
- Residency: minimum 10 credit hours through course attendance at UVU.
- Students are responsible for completing all prerequisite courses.

**If long-range goal is BS in CE, take math classes early. Calculus I is the course that begins the 4-year graduation plan. Green= recommended electives for stackable into BS in Computer Engineering.*

Semester 4		
ECE 3710	Applied Probability	3
PHYS 2220	Physics for Scientists II	4
PHYS 2225	Physics for Scientists II Lab	1
CS 2600	Computer Networks I	3
ECE 3740	Digital Design II	3
ECE 3770	Signals and Systems	3
Semester 3		
ECE 3750	Engineering Analysis	3
COMM 2110	Interpersonal Communication	3
CS 2420	Intro to Algorithms	3
CS 2300	Discrete Math I	3
ECE 2700	Digital Design I	3
ECE 2705	Digital Design I Lab	1
Semester 2		
MATH 1220	Calculus II	5
PHYS 2210	Physics for Scientists I	4
PHYS 2215	Physics for Scientists I Lab	1
CS 1410	Object-Oriented Programming	3
CS 2810	Computer Organization	3
Semester 1		
MATH 1210	Calculus I	5
ENGL 1010	Intro Writing	3
COMM 1020	Public Speaking	3
CS 1400	Fundamentals Programming	3
ECE 1020	Computer Architecture	1
HLTH/PE	HLTH 1100 or PES 1097	2

Graduation Requirements:

- Overall GPA 2.0 or above.
- 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.
- Residency hours: minimum of 20 credit hours through attendance at UVU.
- Students are responsible for completing all prerequisite courses.

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

Semester 8		
PHIL 2050	Ethics and Values	3
CS 305G	Global Social/Ethical	3
CS 2450	Software Engineering	3
ECE elective	ECE 4770 or ECE 4780	3
ECE 4800	CE Senior Project	3
Semester 7		
Fine Arts	From approved list	3
CS 4380	AdvComputer Architecture	3
ECE 4750	Digital Signal Processing	3
ECE 4760	VLSI Design	3
ECE 4765	VLSI Design Lab	1
Semester 6		
Biology	From approved list	3
American Inst	From approved list	3
CS 3060	Operating Systems	3
ECE 3760	Electronics Systems	3
ECE 3765	Electronic Systems Lab	1
ECE 4730	Embedded Systems II	3
Semester 5		
CHEM 1210	Principles of Chem I	4
CHEM 1215	Principles of Chem I Lab	1
ENGL 2020	Intermediate Writing	3
COMP301R	Digital Lecture Series	1
ECE 2250	Circuit Theory	3
ECE 2255	Circuit Theory Lab	1
ECE 3730	Embedded Systems I	3
Semester 4		
ECE 3710	Applied Probability	3
PHYS 2220	Physics for Scientists II	4
PHYS 2225	Physics for Scientists II Lab	1
CS 2600	Computer Networks I	3
ECE 3740	Digital Design II	3
ECE 3770	Signals and Systems	3
Semester 3		
ECE 3750	Engineering Analysis	3
COMM 2110	Interpersonal Communication	3
CS 2420	Intro to Algorithms	3
CS 2300	Discrete Math I	3
ECE 2700	Digital Design I	3
ECE 2705	Digital Design I Lab	1
Semester 2		
MATH 1220	Calculus II	5
PHYS 2210	Physics for Scientists I	4
PHYS 2215	Physics for Scientists I Lab	1
CS 1410	Object-Oriented Programming	3
CS 2810	Computer Organization	3
Semester 1		
MATH 1210	Calculus I	5
ENGL 1010	Intro Writing	3
COMM 1020	Public Speaking	3
CS 1400	Fundamentals Programming	3
ECE 1020	Computer Architecture	1
HLTH/PE	HLTH 1100 or PES 1097	2

Graduation Requirements:

- At least 40 credits of upper-division courses.
- Overall GPA 2.0 or above.
- Minimum 2.5 GPA in all discipline core, ECE electives, math, science, Comm 1020, and Comm 2110, courses with no grade lower than C-.
- Residency hours: minimum of 30 credit hours through course attendance at UVU, with at least 10 hours earned in the last 45 hours.
- 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.