Computer Science *Games/EAE* B.S. Degree — Requirements 2020-21

See handbook.cs.utah.edu for complete details and additional restrictions.
Questions? Contact a CS Academic Advisor: book appointment or ugrad-help@cs.utah.edu.

GENERAL EDUCATION

Course	Title	Credits	Designation	Notes	Planned Semester	DV choose 1	IR choose 1	3000+ choose 2
WRTG 2010	*Intermediate Writing*	3	WR2	†	_____			
FA 3600 or WRTG 4030		3	CW	†	_____			
_____	_____	3	AI	†	_____			
ART 1020	*Basic Drawing*	3	FF		_____			
DES 2615	*Intro Design Thinking*	3	FF		_____			
_____	_____	3	HF	†▽	_____	☐	☐	☐
_____	_____	3	HF	†▽	_____	☐	☐	☐
_____	_____	3	BF	†▽	_____	☐	☐	☐
_____	_____	3	BF	†▽	_____	☐	☐	☐

PRE-MAJOR

Course	Title	Credits	Designation	Notes	Planned Semester
CS 1030	*Foundations of CS*	3		▲	_____
CS 1410	*Intro to OOP*	4			_____
CS 2420	*Intro to Algs & DS*	4			_____
MATH 1210	*Calculus I*	4	QR	★†	_____
MATH 1220	*Calculus II*	4	QR	★†	_____

MATH/SCI.

Course	Title	Credits	Designation	Notes	Planned Semester
CS 3130	*Eng Prob & Stats*	3	QI		_____
MATH 2270	*Linear Algebra*	4	QR		_____
PHYS 2210	*Physics for Sci&Eng*	4	SF	†	_____
_____	_____	3		⌘†▽	_____

CS REQ.

Course	Title	Credits	Designation	Notes	Planned Semester
CS 2100	*Discrete Structures*	3		◆	_____
CS 3500	*Software Practice I*	4			_____
CS 3505	*Software Practice II*	3			_____
CS 3810	*Computer Org*	4	QI		_____
CS 4150	*Algorithms*	3	QI		_____
CS 4400	*Computer Systems*	3	QI		_____

EAE REQ.

Course	Title	Credits	Designation	Notes	Planned Semester
EAE 1050	*Digital Content*	3			_____
EAE 2100	*Intro Game Design*	3			_____
EAE 3010	*Asset Pipeline*	3			_____
EAE 3660	*Interactive Machinima*	3			_____
EAE 3710	*Trad Game Design*	3			_____
EAE 3720	*Alt Game Design*	3			_____

AREA FOCUS

Course	Title	Credits	Designation	Notes	Planned Semester
CS _____	*(AI/Analytics)*	3		Ⓐ	_____
CS _____	*(Core/Fundamentals)*	3		Ⓒ	_____
CS _____	*(Human Centered)*	3		Ⓗ	_____
CS _____	*(Infrastructure)*	3		Ⓘ	_____
CS _____	_____	3		✪▽	_____
CS _____	_____	3		✪▽	_____

THEORY RESTRICTED

Choose CS 3100 (Fa) or CS 3200 (Sp)

Course	Title	Credits
CS _____	_____	3

SENIOR CAPSTONE

Course	Title	Credits	Notes	Planned Semester
EAE 4500	*Senior Project I*	3		_____
EAE 4510	*Senior Project II*	3	‡	_____

125 total credits✖

Notes

† Honors options available see Honors.utah.edu

▽ 4 credit options accepted

▲ Waivable requirement see First CS Course

★ Engineering Calculus, MATH 1310 and 1320, also accepted

⌘ Fill in with math, science, or engineering courses that have MATH 1220 as pre- or co-requisite. BIOL 1610 and CHEM 1210 also accepted — *see handbook.cs.utah.edu for choice restrictions*

◆ Math 2200 also accepted

Ⓐ Choose CS 4300, CS 5140, CS 5340, or CS 5350

Ⓒ Choose CS 4470, CS 5150, or CS 5460

Ⓗ Choose CS 3540, CS 4530, CS 4600, or CS 5650

Ⓘ Choose CS 3470, CS 4440, CS 4480, or CS 5530

✪ Choose 2 more courses from any of the 4 Focus Areas above

‡ Students pursuing Honors and choosing Project must take CS 4998 concurrently with CS 4500 to satisfy the Honors Thesis Work

✖ Minimum 122 credits required for graduation