Computer Science *Games/EAE* B.S. Degree — Requirements 2022-23

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.

	Course	Title	Credits	Designation	Notes	Planned Semester		
GENERAL EDUCATION	WRTG 2010	*Intermediate Writing*	3	WR2	†	_____		
	ARTX 3600 or WRTG 4030		3	CW	†	_____		
	_____ _____		3	AI	†	_____		
	ART 1020	*Basic Drawing*	3	FF		_____	**DV** Choose 1	**IR** choose 1
	DES 2615	*Intro Design Thinking*	3	FF		_____		
	_____	_____	3	HF	†▽	_____	☐	☐
	_____	_____	3	HF	†▽	_____	☐	☐
	_____	_____	3	BF	†▽	_____	☐	☐
	_____	_____	3	BF	†▽	_____	☐	☐
PRE-MAJOR	CS 1400 **and** CS 1410 *OR* CS 1420	*Intro to Comp Prog* *Intro to OOP* *Accel OOP*	4 4 4			_____ _____ _____		
	CS 2420	*Intro to Algs & DS*	4			_____		
	MATH 1210	*Calculus I*	4	QR	★†	_____		
	MATH 1220	*Calculus II*	4	QR	★†	_____		
MATH/SCI.	CS 3130	*Eng Prob & Stats*	3	QI		_____		
	MATH 2270	*Linear Algebra*	4	QR		_____		
	_____	_____	3		⌘†▽	_____		
	_____	_____	3		⌘†▽	_____		
CS REQ.	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.	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*	4			_____		
	EAE 3720	*Alt Game Design*	4			_____		
AREA FOCUS	CS _____	*(AI/Analytics)*	3		A	_____		
	CS _____	*(Core/Fundamentals)*	3		C	_____		
	CS _____	*(Human Centered)*	3		H	_____		
	CS _____	*(Infrastructure)*	3		I	_____		
	CS _____	_____	3		✪▽	_____		
	CS _____	_____	3		✪▽	_____		

THEORY RESTRICTED ELECTIVE   Choose CS 3100 (Fa/Sp) or CS 3200 (Sp)

CS _____	_____	3	_____

SENIOR CAPSTONE REQUIREMENT

EAE 4500	*Senior Project I*	3		_____
EAE 4510	*Senior Project II*	3	‡	_____

127 total credits✖

Notes:

† Honors options available see Honors.utah.edu

▽ 4 credit options accepted

★ 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, CHEM 1210, and PHYS 2010 also accepted — *see handbook.cs.utah.edu for choice restrictions*

◆ Math 2200 also accepted

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

C Choose CS 3190, CS 3520, CS 4470, CS 5150, or CS 5460

H Choose CS 3540, CS 4530, CS 4600, or CS 5360

I Choose CS 4440, CS 4480, CS 4540 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

Updated January 2022