

A bachelor's degree in Computer Science explores the theory and science behind how computers work, empowering you to design innovative algorithms, explore artificial intelligence, and push the boundaries of technology. If you're curious about why things work and love solving complex problems from the ground up, this is the degree that lets you build the future. Graduates are prepared for high-paying employment as software engineers or to continue their education in graduate school.

Semester 1		
BYUI101	Experience BYU-Idaho	1
CSE110	Introduction to Programming	2
ENG150	Writing and Reasoning	3
ECEN106	Computer Systems	2
WDD130	Web Fundamentals	2
REL250C	Jesus Christ Everlasting Gospel	2

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Semester 2		
CSE111	Programming with Functions	2
	<i>General Elective</i>	3
CSE170	Technical Teamwork	2
WDD131	Dynamic Web Fundamentals	2
CSE199R	Freshman Discovery Project	2
REL200C	The Eternal Family	2

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Semester 3		
DS250	Data Science Programming	2
CSE210	Programming with Classes	2
ITM220	SQL	3
REL225C	Foundations of the Restoration	2
MATH119	Calculus	4
	<i>Arts & Humanities</i>	3

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Semester 4		
CSE212	Programming with Data Structures	2
CSE280	Discrete Math	3
CSE310	Applied Programming	3
	<i>General Elective</i>	3
CSE370	Software Engineering Principles	2
REL275C	Teachings of the Book of Mormon	2

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Semester 5		
CSE351	Parallelism & Concurrency	2
CSE300	Professional Readiness	1
CSE381	Algorithms & Complexity	3
BUS301	Advanced Writing in Professional	3
PH121	Physics	3
	<i>Religion Elective 1</i>	2

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Semester 6		
CSE382	Patterns & Data Structures	3
ITM300	Cloud Foundations	3
CSE399R	Product Development Project	2
	<i>Social Science</i>	3
	<i>Religion Elective 2</i>	2
	<i>General Elective</i>	3

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Between Semesters		
CSE398	Internship	3

Semester 7		
CSE4xx	<i>Advanced Topic 1</i>	3
	<i>Natural/Social Science, Art</i>	5
	<i>Religion Elective 3</i>	2
	<i>Electives</i>	5

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Semester 8		
CSE4xx	<i>Advanced Topic 2</i>	3
	<i>Electives</i>	12

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Italic courses means electives or more than one option is possible