

# Computer Science (B.S.)

The undergraduate degree in Computer Science is a stepping stone for students interested in computer science careers or graduate studies in computer science or programming.

## Freshman Year First Semester

Item #	Title	Credits
CSCI 100	Intro to Computer Science	3
CSCI 120	Explorations in Computer Science	2
	Non-Technical Elective	3
	Science Lecture A	4
	Science Lab A	0
	ENGW 101/102/104	3
	<b>Sub-Total Credits</b>	<b>15</b>

## Freshman Year Second Semester

Item #	Title	Credits
MATH 156	Calculus I	4
	ENGW 103/105	3
SLMC 101	Principles of Speech	3
CSCI 135	Computer Science I	4
	<b>Sub-Total Credits</b>	<b>15</b>

## Sophomore Year First Semester

Item #	Title	Credits
MATH 157	Calculus II	4
	Science Lecture B (1)	4
	Science Lab B (1)	0
CSCI 136	Computer Science II	3
CSCI 201	Computer Organization I	3
	<b>Sub-Total Credits</b>	<b>14</b>

## Sophomore Year Second Semester

Item #	Title	Credits
MATH 181	Discrete Structures	3
CSCI 354	Computer Science III	3
CSCI 375	Software Engineering	3
CSCI 202	Computer Organization II	3
	Science Lecture B (2)	4
	Science Lab B (2)	0
	<b>Sub-Total Credits</b>	<b>16</b>

## Junior Year First Semester

Item #	Title	Credits
CSCI 341	Theory of Computation	3
CSCI 401	Operating Systems	3
CSCI 470	Fundamentals of Algorithms	3
CSCI 449	Intro to Computer Networks	3
CSCI 453	Intro to Cyber Security I	3
	<b>Sub-Total Credits</b>	<b>15</b>

## Junior Year Second Semester

Item #	Title	Credits
CSCI 350	Structure of Program Language	3
	Technical Elective	3
CSCI 432	Database Systems	3
MATH 180	Intro to Linear Algebra	3
ENGL 009	Tech Writing Pre-Professional	3
	<b>Sub-Total Credits</b>	<b>15</b>

## Senior Year First Semester

Item #	Title	Credits
CSCI 363	Large Scale Programming	3
CSCI 473	Applied Data Science	3
	Technical Elective	3
CSCI 491	Senior Project I	3
	Technical Elective	3
	<b>Sub-Total Credits</b>	<b>15</b>

## Senior Year Second Semester

Item #	Title	Credits
	Technical Elective	3
	Technical Elective	3
	Non-Technical Elective	3
	Non-Technical Elective	3
	<b>Sub-Total Credits</b>	<b>15</b>
	<b>Total credits:</b>	<b>120</b>

## Category Descriptions

### Non-Technical Elective

### Science Lecture A

## Science Lab A

### ENGW 101/102/104

Choose between ENGW 101, ENGW 102, OR ENGW 104

### ENGW 103/105

### Science Lecture B (1)

### Science Lab B (1)

### Science Lecture B (2)

### Science Lab B (2)

## Technical Elective

Please consult with your academic advisor.

Physics Majors :(PHYS, CHEM, BIOL, CSCI, MATH, Engineering)