

COMPUTER SCIENCE

Interested in any of the following: Computer Programming, Java, C++, Software Engineering, Game Programming, Mobile Device Programming, Computer Engineering, or Web Programming?

Browse to go.cabrillo.edu/cs for more information.

CS 1 and CS 1L are college-level introductory courses providing a foundation for subsequent college-level coursework. We encourage all students to enroll in these courses.

Cabrillo College is fully accredited. Certificates and degrees are available. Computer Science provides transfer options to UC and CSU.

All Hybrid CS sections meet online AND in-person every week.

CS 1 Introduction to Computers and Computer Technology

Surveys the fields of study within computer science and computer technology with a focus on computer literacy in the 21st century. Recommended Preparation:

Eligibility for MATH 154.

Transfer Credit: Transfers to CSU;UC

Section	Days	Times	Units	Instructor	Room
1	W	2:10PM-5:15PM	3.00	R.Graziani	609
&	Arr.	Arr.		R.Graziani	OL

Section 1-(102468) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 50 min online lab per week. For details, see instructor's web page at go.cabrillo.edu/online.

2	M	6:00PM-9:05PM	3.00	R.Norden	825
&	Arr.	Arr.		R.Norden	OL

Section 1-(102469) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 50 min online lab per week. For details, see instructor's web page at go.cabrillo.edu/online.

CS 1L Technology Tools

Covers the fundamentals of college-level information literacy, computational logic, and computer proficiency. Recommended Preparation: CS 1 (may be taken concurrently); Eligibility for MATH 154.

Transfer Credit: Transfers to CSU;UC

Section	Days	Times	Units	Instructor	Room
1	MW	3:10PM-5:20PM	2.00	J.Bergamini	829
&	Arr.	Arr.		J.Bergamini	OL

Meets 8 weeks, 1/29-3/21. Holiday 2/19. Hybrid ONLINE course. Meets weekly at the scheduled times with an additional 2 hr 5 min online lab per day. For details, see instructor's web page at go.cabrillo.edu/online.

CS 11 Introduction to Programming Concepts and Methodology, C++

Presents an introduction to computer programming using the C++ programming language beginning with basic principles and progressing to object-oriented programs. Prerequisite: MATH 152. Recommended Preparation: CS 1.

Transfer Credit: Transfers to CSU;UC C-ID COMP 112

Section	Days	Times	Units	Instructor	Room
1	T	2:30PM-4:35PM	4.00	E.Parrish	829
&	TH	2:30PM-3:20PM		E.Parrish	829
&	TH	3:30PM-4:20PM		E.Parrish	829
&	Arr.	Arr.		E.Parrish	OL

Section 1-(102470) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 3 hr 5 min online lab per week. For details, see instructor's web page at go.cabrillo.edu/online.

3	M	5:30PM-7:35PM	4.00	S.Strelitz	WatC105
&	W	6:30PM-7:20PM		S.Strelitz	WatC105
&	Arr.	Arr.		S.Strelitz	OL
&	W	5:30PM-6:20PM		S.Strelitz	WatC105

Section 3-(104143) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 3 hr 5 min online lab per week. For details, see instructor's web page at go.cabrillo.edu/online.

2	W	6:00PM-9:05PM	4.00	B.Hartman	829
&	W	9:15PM-10:05PM		B.Hartman	829
&	Arr.	Arr.		B.Hartman	OL

Section 2-(102471) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 3 hr 5 min online lab per week. For details, see instructor's web page at go.cabrillo.edu/online.

CS 12GP Introduction to Programming Using Games and Simulations

Presents an introduction to computer programming concepts and methodologies by developing games and simulations in the Java programming language. Prerequisite: MATH 154.

Transfer Credit: Transfers to CSU;UC

Section	Days	Times	Units	Instructor	Room
1	T	11:30AM-1:35PM	4.00	E.Parrish	828
&	TH	11:30AM-12:20PM		E.Parrish	828
&	TH	12:30PM-1:20PM		E.Parrish	828
&	Arr.	Arr.		E.Parrish	OL

Section 1-(102474) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 3 hr 5 min online lab per week. Students will be required to show that they meet the course prerequisites. For details, see instructor's web page at go.cabrillo.edu/online.

CS 12J Introduction to Programming Concepts and Methodology, Java

Presents an introduction to computer programming using the Java programming language beginning with basic principles and progressing to object-oriented programs and visual programming. Prerequisite: MATH 152. Recommended Preparation: CS 1.

Transfer Credit: Transfers to CSU;UC C-ID COMP 112

Section	Days	Times	Units	Instructor	Room
1	M	11:00AM-1:05PM	4.00	J.Bergamini	829
&	W	11:00AM-11:50AM		J.Bergamini	829
&	W	12:00PM-12:50PM		J.Bergamini	829
&	Arr.	Arr.		J.Bergamini	OL

Section 1-(102475) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 3 hr 5 min online lab per week. For details, see instructor's web page at go.cabrillo.edu/online.

2	T	5:30PM-8:35PM	4.00	J.Bergamini	829
&	T	8:45PM-9:35PM		J.Bergamini	829
&	Arr.	Arr.		J.Bergamini	OL

Section 2-(102476) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 3 hr 5 min online lab per week. For details, see instructor's web page at go.cabrillo.edu/online.

CS 19 C++ Programming

Presents programming, documentation, and software design methodologies using C++. Prerequisite: MATH 4 or MATH 2 and MATH 3. Recommended Preparation: CS 11 or CS 11M or CS 12J or equivalent skills; Previous programming experience strongly recommended.

Transfer Credit: Transfers to CSU;UC CS 19 + CS 20J = C-ID COMP 122; CS 11M + CS 19 = C-ID ENGR 120

Section	Days	Times	Units	Instructor	Room
1	TTH	1:30PM-2:50PM	4.00	S.Hodges	825
&	Arr.	Arr.		S.Hodges	OL

Section 1-(102477) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 4 hr 5 min online lab per week. Students will be required to show that they meet the course prerequisites. For details, see instructor's web page at go.cabrillo.edu/online.

CS 20J Java Programming

Presents programming, documentation, and software-design methodologies using Java. Prerequisite: MATH 4 or MATH 2 and MATH 3. Recommended Preparation: CS 11 or CS 11M or CS 12J or CS 12GP or equivalent skills.

Transfer Credit: Transfers to CSU;UC CS 19 + CS 20J = C-ID COMP 122

Section	Days	Times	Units	Instructor	Room
1	T	6:00PM-9:05PM	4.00	S.Hodges	825
&	Arr.	Arr.		S.Hodges	OL

Section 1-(102479) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 4 hr 5 min online lab per week. Students will be required to show that they meet the course prerequisites. For details, see instructor's web page at go.cabrillo.edu/online.

CS 21 Introduction to Data Structures and Algorithms

Provides an introduction to data structures, algorithms, and software engineering techniques using the C++ or Java language. Prerequisites: CS 19 or CS 20J or equivalent skills and MATH 5A.

Transfer Credit: Transfers to CSU;UC C-ID COMP 132

Section	Days	Times	Units	Instructor	Room
1	W	6:00PM-9:05PM	4.00	S.Hodges	825
&	Arr.	Arr.		S.Hodges	OL

Section 1-(102480) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 4 hr 5 min online lab per week. Students will be required to show that they meet the course prerequisites. For details, see instructor's web page at go.cabrillo.edu/online.

CS 23 Discrete Mathematics

Presents discrete mathematical systems including methods of proof that shape the foundations of computer science. Prerequisite: CS 11, CS 11M, CS 12GP, CS 12J or equivalent skills; MATH 5A or equivalent skills. Recommended Preparation: CS 19 or CS 20J or equivalent skills.

Transfer Credit: Transfers to CSU;UC C-ID COMP 152

Section	Days	Times	Units	Instructor	Room
1	TTH	3:30PM-4:50PM	4.00	J.Bergamini	806
&	Arr.	Arr.		J.Bergamini	OL

Section 1-(102481) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 3 hr 5 min online lab per week. Students will be required to show that they meet the course prerequisites. For details, see instructor's web page at go.cabrillo.edu/online.