

COMPUTER & INFORMATION SYSTEMS

Interested in any of the following: Computer Networking and System Administration, Computer Support, Cisco (CCNA and CCNP), Linux/UNIX, Microsoft, Security, Wireless, or Virtualization Infrastructure?

From the Cabrillo website (www.cabrillo.edu), select Academics/Careers, then Career Technical Education, and then select Computer and Information Systems or Computer Networking and System Administration for more information.

Interested in becoming a Computer Support Specialist?

From the Cabrillo website (www.cabrillo.edu), select Academics/Careers, then Career Technical Education, and then select Computer Support Specialist 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. Many CIS courses are articulated with California State University (CSU) schools.

The CIS Lab is located in the STEM Center. For information regarding CIS Lab Hours, see http://www.cabrillo.edu/services/stem/STEM_center.html. For information regarding specific courses, please contact the instructor.

Many CIS course sections are taught online AND in-person.

CIS 15 Cloud Programming With Python

Teaches the fundamental concepts and models of application development including the basic concepts of program design, data structures, programming, problem solving, programming logic, and fundamental design techniques for event-driven programs.

Transfer Credit: Transfers to CSU;UC

Section	Days	Times	Units	Instructor	Room
1	Arr.	Arr.	4.00	M.Matera	OL

Section 1-(104205) is an ONLINE course. For details, see instructor's web page at go.cabrillo.edu/online.

Section	Days	Times	Units	Instructor	Room
2	M	12:40PM-4:45PM	4.00	M.Matera	828
&	Arr.	Arr.		M.Matera	OL

Section 2-(104206) 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.

CIS 33 Introduction to Programming Database-Driven Websites With PHP

Teaches programming of database-driven, web-based applications (such as an eCommerce website) that require online data storage and retrieval and a high degree of user/website interactivity. Hybrid Requisite: Completion of or concurrent enrollment in CS 11 or CS 12J or CS 12GP or CIS 32. Recommended Preparation: DM 60; Eligibility for MATH 154.

Transfer Credit: Transfers to CSU

Section	Days	Times	Units	Instructor	Room
1	Arr.	Arr.	4.00	J.Bergamini	OL
&	Arr.	Arr.		J.Bergamini	OL

Section 1-(102368) is an ONLINE course. Students will be required to show that they meet the course prerequisites. For details, see instructor's web page at go.cabrillo.edu/online.

CIS 34 Mobile Platforms-iOS and Android

Presents an overview of mobile devices and instruction for building mobile applications, including Swift for iOS and Java for Android. Prerequisite: CS 11 or CS 12J or CS 12GP and MATH 152 or equivalent.

Transfer Credit: Transfers to CSU;UC

Section	Days	Times	Units	Instructor	Room
1	M	3:30PM-4:20PM	4.00	S.Hodges	825
&	M	4:30PM-5:20PM		S.Hodges	825
&	Arr.	Arr.		S.Hodges	OL
&	W	3:30PM-5:35PM		S.Hodges	825

Section 1-(102368) 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.

CIS 54 Introduction to Database Management Systems

Teaches the core concepts in data management centered on modeling organizational information requirements, normalization techniques, and implementation using Structured Query Language (SQL) with an industry recognized relational database management system. Recommended Preparation: CIS 90.

Transfer Credit: Transfers to CSU

Section	Days	Times	Units	Instructor	Room
1	Arr.	Arr.	4.00	M.Matera	OL

Section 1-(102374) is an ONLINE course. For details, see instructor's web page at go.cabrillo.edu/online.

Section	Days	Times	Units	Instructor	Room
2	TH	5:30PM-9:35PM	4.00	M.Matera	828
&	Arr.	Arr.		M.Matera	OL

Section 2-(102375) 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.

CIS 70 Introduction to Computer Hardware and Software

Covers installing, maintaining, and upgrading PC-type (Intel and Intel compatible) microcomputer systems. Recommended Preparation: CS 1 and CS 1L.

Transfer Credit: Transfers to CSU

Section	Days	Times	Units	Instructor	Room
1	TH	5:30PM-9:35PM	4.00	M.Nogueira	829
&	Arr.	Arr.		M.Nogueira	OL

Section 1-(102376) 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.

CIS 72 Introduction to Operating Systems

Provides an overview of computer operating systems such as UNIX/Linux, Microsoft Windows Operating Systems. Recommended Preparation: CS 1 and CS 1L or equivalent.

Transfer Credit: Transfers to CSU

Section	Days	Times	Units	Instructor	Room
1	W	12:30PM-2:35PM	4.00	I.Lemus	828
&	Arr.	Arr.		I.Lemus	OL

Section 1-(102377) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 2 hr 5 min online lecture per week and an additional 50 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.

CIS 75 Fundamentals of Computer Security

Introduces fundamental principles and topics of Information Technology Security and Risk Management at the organizational level. Prerequisite: CIS 81 or equivalent skills. Recommended Preparation: CIS 72 or equivalent skills.

Transfer Credit: Transfers to CSU C-ID ITIS 160

Section	Days	Times	Units	Instructor	Room
1	Arr.	Arr.	3.00	I.Lemus	OL

Section 1-(102377) is an ONLINE course. Students will be required to show that they meet the course prerequisites. For details, see instructor's web page at go.cabrillo.edu/online.

2	T	2:15PM-5:20PM	3.00	I.Lemus	828
&	Arr.	Arr.		I.Lemus	OL

Section 2-(102379) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 50 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.

CIS 77 Computer Forensics Fundamentals

Introduces the methods used to properly conduct a computer forensics investigation beginning with a discussion of ethics, while mapping to the objectives of the International Association of Computer Investigative Specialists (IACIS) certification.

Prerequisite: CIS 75.

Transfer Credit: Transfers to CSU

Section	Days	Times	Units	Instructor	Room
1	Arr.	Arr.	3.00	I.Lemus	OL

Section 1-(102380) is an ONLINE course. Students will be required to show that they meet the course prerequisites. For details, see instructor's web page at go.cabrillo.edu/online.

2	T	11:00AM-2:05PM	3.00	I.Lemus	829
&	Arr.	Arr.		I.Lemus	OL

Section 2-(102381) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 50 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.

CIS 81 Computer Network Fundamentals

Covers the architecture, structure, functions, components, and models of the Internet and other computer networks. Hybrid Requisite: Completion of or concurrent enrollment in CIS 72 or equivalent skills. Recommended Preparation: Eligibility for MATH 154.

Transfer Credit: Transfers to CSU

Section	Days	Times	Units	Instructor	Room
1	T	5:30PM-9:20PM	4.00	R.Graziani	828
&	Arr.	Arr.		R.Graziani	OL

Section 1-(102382) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 50 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.

CIS 82 Routing and Switching Essentials and Theory (Cisco CCNA 2)

Describes the architecture, components, and operations of routers and switches for small networks. Prerequisite: CIS 81.

Transfer Credit: Transfers to CSU

Section	Days	Times	Units	Instructor	Room
1	Arr.	Arr.	4.00	R.Graziani	OL

Section 1-(102383) is an ONLINE course. Students will be required to show that they meet the course prerequisites. For details, see instructor's web page at go.cabrillo.edu/online.

2	W	5:30PM-8:35PM	4.00	R.Graziani	828
&	Arr.	Arr.		R.Graziani	OL

Section 2-(102384) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 2 hr 5 min online instruction 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.

CIS 90 Introduction to UNIX/Linux

Provides a technical overview of the UNIX/Linux operating system, including hands-on experience with commands, files, and tools. Recommended Preparation: CIS 1L or CIS 72.

Transfer Credit: Transfers to CSU;UC

Section	Days	Times	Units	Instructor	Room
1	W	9:00AM-12:05PM	3.00	R.Simms	OL
&	Arr.	Arr.		R.Simms	OL

Section 1-(102385) is an ONLINE course. Meets weekly throughout the semester online during the scheduled times by remote technology with an additional 50 min arranged online lab per week. For details, see instructor's web page at go.cabrillo.edu/online.

2	W	9:00AM-12:05PM	3.00	R.Simms	828
&	Arr.	Arr.		R.Simms	OL

Section 2-(102386) 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.

CIS 103 Technical Support As a Profession

Teaches technical support skills for those seeking employment in the computer and information systems field. Prerequisite: CIS 70 and CIS 72 or equivalent skills.

Section	Days	Times	Units	Instructor	Room
1	M	5:30PM-7:35PM	4.00	T.Oropeza	829
&	Arr.	Arr.		T.Oropeza	OL

Section 1-(102353) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 2 hr 5 min online lecture and 50 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.

CIS 187 Implementing IP Switching-- Cisco CCNP Switch

Teaches implementation, monitoring, and maintaining switching in converged enterprise campus networks. Prerequisite: CIS 83 or passing the CCNA exam or equivalent experience.

Section	Days	Times	Units	Instructor	Room
1	Arr.	Arr.	3.00	R.Graziani	OL

Section 1-(102358) is an ONLINE course. Students will be required to show that they meet the course prerequisites. For details, see instructor's web page at go.cabrillo.edu/online.

CIS 196 Microsoft Windows Server Advanced Configuration

Teaches implementation and management of Microsoft network environments. Prerequisite: CIS 195 or equivalent skills.

Section	Days	Times	Units	Instructor	Room
1	Arr.	Arr.	4.00	I.Lemus	OL

Section 1-(102366) is an ONLINE course. For details, see instructor's web page at go.cabrillo.edu/online.

2	M	5:30PM-9:35PM	4.00	I.Lemus	828
&	Arr.	Arr.		I.Lemus	OL

Section 2-(102367) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 50 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.