

COMPUTER AND INFORMATION SYSTEMS

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

Go to <http://www.cabrillo.edu/programs> and select Computer and Information Systems and select Computer Networking and System Administration for more information.

Interested in becoming a Computer Support Specialist?

- Go to <http://www.cabrillo.edu/programs> and select Computer and Information Systems and 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. Computer Networking and System Administration provides a transfer option to the California State University Monterey Bay.

CIS 81 Networking Fundamentals and Theory (Cisco CCNA 1)

Presents networking protocols, standards, concepts, and terminology including Ethernet, ARP, ICMP, IP addressing, subnetting, switches, hubs, routers, TCP, UDP, OSI Model and other standards and protocols. Prerequisites: CIS 172 or concurrent enrollment, or familiarity with using a command line interface such as Unix/Linux or DOS, file management, a general understanding of the function of operating systems and familiarity with using the Windows operating system. MATH 254 or equivalent knowledge.

Transfer Credit: CSU.

Section	Days	Times	Units	Instructor	Room
58084	T	12:00PM-04:15PM	4.00	R.Graziani	2502
&	Arr.	Arr.		B.Durland	1400

+ 5 hr 20 min open lab per week. Students will be required to show that they meet the course prerequisites.

58083	M	05:30PM-09:45PM	4.00	R.Graziani	SV02
&	Arr.	Arr.		B.Durland	1400

+ 5 hr 20 min open lab per week at Aptos campus. Students will be required to show that they meet the course prerequisites.

CIS 83 Switched Networks and WANs (Cisco CCNA 3 & 4)

Presents intermediate features of switching and WANs including VLANs, VTP, Inter-VLAN routing, STP, Frame Relay, HDLC, PPP, and ACLs. Prerequisite: CIS 81.

Transfer Credit: CSU.

Section	Days	Times	Units	Instructor	Room
58085	M	05:30PM-09:45PM	4.00	G.Brady	2502
&	Arr.	Arr.		G.Brady	2504

+ 5 hr 20 min open lab per week. Students will be required to show that they meet the course prerequisites.

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: CS 1L or CIS 172.

Transfer Credit: CSU.

Section	Days	Times	Units	Instructor	Room
58086	W	06:00PM-09:10PM	3.00	D.Bacon	SV02
&	Arr.	Arr.		B.Durland	1400

+ 3 hr 10 min open lab per week at Aptos campus.

CIS 132 Introduction to Internet Programming



Presents an introduction to Internet-related programming using client-side scripting languages like JavaScript and server-side scripting languages like PHP. Recommended Preparation: MATH 154 and DM 160.

Section	Days	Times	Units	Instructor	Room
59680	Arr.	Arr.	4.00	E.Parrish	OL
&	Arr.	Arr.		B.Durland	1400

Section 59680 is an ONLINE course. Required orientation: Monday 9/8, 6:00PM-9:10PM in Room 516. Required final exam 12/15, 7:00PM-10:10PM, Room 516. + 6 hr 20 min open lab per week. For details, see instructor's web page at www.cabrillo.edu/services/disted/ "Distance Courses."

58073	M	06:00PM-09:15PM	4.00	E.Parrish	516
&	Arr.	Arr.		E.Parrish	OL
&	Arr.	Arr.		B.Durland	1400

+ 1 hr ONLINE lecture. + 5 hr 15 min open lab per week.

CIS 160A Networking Fundamentals–In-Depth Study

Designed for students who have completed the first semester of CCNA at a Cisco Networking Academy (CCNA 1), other than at Cabrillo College, and to prepare for the Credit by Examination process to receive credit for CIS 81. Prerequisite: CIS 181A.

Section	Days	Times	Units	Instructor	Room
59681	Arr.	Arr.	1.00	G.Brady	2504

+ 3 hr 10 min open lab per week. Students will be required to show that they meet the course prerequisites.

CIS 160B Introduction to Routing Technologies–In-Depth Study

Designed for students who have completed the second semester of CCNA at a Cisco Networking Academy (CCNA 2), other than at Cabrillo College, and to prepare for the Credit by Examination process to receive credit for CIS 82. Prerequisite: CIS 182A.

Section	Days	Times	Units	Instructor	Room
59682	Arr.	Arr.	1.00	G.Brady	2504

+ 3 hr 10 min open lab per week. Students will be required to show that they meet the course prerequisites.

Cabrillo College *Schedule of Classes* – Fall 2008

CIS 160C Intermediate Routing and Switching (Cisco CCNA 3 & 4)–In-Depth Study

For students who have completed the third and fourth semesters of CCNA at a Cisco Networking Academy (CCNA 3 & 4), other than at Cabrillo College, and to prepare for the Credit by Examination process to receive credit for CIS 83. Prerequisite: CIS 183A.

Section	Days	Times	Units	Instructor	Room
59683	Arr.	Arr.	1.00	G.Brady	2504

+ 3 hr 10 min open lab per week. Students will be required to show that they meet the course prerequisites.

CIS 160CL Cisco Open Lab

Provides access to the Cisco Lab through self-paced, individualized instruction, for students not currently enrolled in a Cabrillo Cisco CCNA or CCNP class. Repeatability: May be taken 4 times.

Section	Days	Times	Units	Instructor	Room
59684	Arr.	Arr.	1.00	G.Brady	2504

+ 3 hr 10 min open lab per week.

CIS 170 Introduction to Computer Hardware and Software

Covers installing, maintaining, and upgrading PC-type (Intel and Intel compatible) microcomputer systems. Prerequisite: CS 1 or equivalent.

Section	Days	Times	Units	Instructor	Room
58075	TH	05:30PM-09:45PM	4.00	M.Nogueira	2502
&	Arr.	Arr.		M.Nogueira	2504

+ 4 hr 15 min open lab per week.

CIS 172 Introduction to Operating Systems

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

Section	Days	Times	Units	Instructor	Room
58076	T	09:00AM-01:15PM	4.00	W.Holt	2501
&	Arr.	Arr.		W.Holt	2504

+ 4 hr 15 min open lab per week.

CIS 175 Fundamentals of Computer Security

Introduces the student to the threats, vulnerabilities and controls of computer systems, and helps to prepare for security-related industry certifications such as CompTIA Security+. Prerequisite: CIS 172.

Section	Days	Times	Units	Instructor	Room
58077	TH	06:00PM-09:10PM	3.00	G.Rollinson	2501
&	Arr.	Arr.		B.Durland	1400

+ 3 hr 10 min open lab per week.

CIS 185 Advanced Routing (Cisco CCNP 1)

Provides information on scalable technologies for building large and growing internetworks, including scalable routing protocols such as OSPF, EIGRP, IS-IS, and BGP, using VLSM, CIDR, and route optimization. Prerequisite: CIS 83 or passing the CCNA exam. Repeatability: May be taken 4 times.

Section	Days	Times	Units	Instructor	Room
59686	Arr.	Arr.	4.00	R.Graziani	OL
&	Arr.	Arr.		R.Graziani	2504

Section 59686 is an ONLINE course. + 8 hr 25 min open lab per week. Required orientation: 9/2, 5:30PM-9:45PM in Room 2502 OR by arrangement. To arrange an orientation, e-mail the instructor, graziani@cabrillo.edu. Students will be required to show that they meet the course prerequisites. For details, see instructor's web page at www.cabrillo.edu/services/disted/ "Distance Courses."

59685	T	05:30PM-09:45PM	4.00	R.Graziani	2502
&	Arr.	Arr.		R.Graziani	2504

+ 8 hr 25 min open lab per week.

CIS 191A UNIX/Linux Installation & Configuration

Teaches the installation and configuration of the Linux operating system on a personal computer for use as a workstation or server. Prerequisite: CIS 90 or equivalent.

Section	Days	Times	Units	Instructor	Room
58079	T	05:30PM-09:50PM	2.00	R.Simms	2501
&	Arr.	Arr.		R.Simms	2504

Meets 8 weeks 9/2-10/21. + 4 hr 20 min open lab per day.

CIS 191B UNIX/Linux System Administration

Teaches the administration, monitoring, and troubleshooting of a running Linux system in a small-to-medium sized business environment. Prerequisite: CIS 90 or equivalent. Recommended Preparation: CIS 191A.

Section	Days	Times	Units	Instructor	Room
58080	T	05:30PM-09:50PM	2.00	R.Simms	2501
&	Arr.	Arr.		R.Simms	OL
&	Arr.	Arr.		R.Simms	2504

Meets 7 weeks 10/28-12/16. Holiday 11/11. + 45 min of class will be ONLINE instruction. + 5 hr 5 min open lab per day.

CIS 194 Microsoft Windows Client Administration

Install, configure, and administer Microsoft Windows client operation systems. Recommended Preparation: CIS 172 or equivalent.

Section	Days	Times	Units	Instructor	Room
58081	M	06:00PM-09:10PM	3.00	G.Rollinson	2501
&	Arr.	Arr.		G.Rollinson	2504

+ 3 hr 10 min open lab per week.

CIS 195 Microsoft Windows Server Administration (Semester 1)

Install, configure, and administer Microsoft Windows server operation systems. Recommended Preparation: CIS 172 and CIS 194 (may be taken concurrently).

Section	Days	Times	Units	Instructor	Room
58082	W	05:30PM-09:45PM	4.00	G.Rollinson	2501
&	Arr.	Arr.		G.Rollinson	2504

+ 4 hr 15 min open lab per week.