

COMPUTER AND INFORMATION SYSTEMS

Check the Computer and Information Systems website for the date, time, and location of our Program Information Evening scheduled each semester for students and potential students.

Interested in any of the following: 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.
- Check the CS, DM, and ETECH schedule listings for additional computer-related courses. Check CABT for keyboarding and computer applications courses.

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. Prerequisite: 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 254CM or equivalent skills.

Transfer Credit: CSU.

Section	Days	Times	Units	Instructor	Room
65282	M	05:30PM-09:35PM	4.00	R.Graziani	2502
&	Arr.	Arr.		R.Graziani	2504

+ 5 hr 10 min open lab per week. Students will be required to show that they meet the course prerequisites.

CIS 82 Introduction to Routing Technologies and Theory (Cisco CCNA 2)

Introduces routing technology, routing theory and router configuration including static routes, distance vector and link state routing theory, routing loop issues, VLSM, CIDR, and routing protocols such as RIPv1, RIPv2, EIGRP and Single Area OSPF. Prerequisite: CIS 81.

Transfer Credit: CSU.

Section	Days	Times	Units	Instructor	Room
65284	Arr.	Arr.	4.00	R.Graziani	OL

Section 65284 is an ONLINE course. Required orientation Tuesday 2/9 from 5:30PM-9:35PM 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."

65283	T	05:30PM-09:35PM	4.00	R.Graziani	2502
&	Arr.	Arr.		R.Graziani	2504

+ 5 hr 10 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
65285	W	01:15PM-04:20PM	3.00	J.Griffin	2501
&	Arr.	Arr.		J.Griffin	2504

+ 3 hr 5 min open lab per week.

CIS 103 Technical Support & Troubleshooting

Teaches technical support skills for those seeking employment in the computer and information systems field. Prerequisite: CIS 170 and CIS 172, or equivalent.

Section	Days	Times	Units	Instructor	Room
66521	M	09:00AM-01:05PM	4.00	G.Brady	2501
&	Arr.	Arr.		G.Brady	2504

+ 2 hr 5 min open lab per week.

Cabrillo College *Schedule of Classes* – Spring 2010

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. Pass/No Pass grading only.

Section	Days	Times	Units	Instructor	Room
65273	Arr.	Arr.	1.00	G.Brady	2504

3 hr 5 min open lab per week.

CIS 165PH 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. Prerequisite: CIS 132. Hybrid Requisite: Completion of, or concurrent enrollment in CS 11 and CS 12J. Recommended Preparation: DM 60A; Eligibility for MATH 154. Repeatability: May be taken 2 times.

Section	Days	Times	Units	Instructor	Room
65274	M	06:00PM-09:05PM	4.00	E.Parrish	2501
&	Arr.	Arr.		E.Parrish	OL

Section 65274 is a Hybrid ONLINE course. It meets weekly throughout the semester at the scheduled times with an additional 1 hr online lecture and 5 hr 10 min online lab per week. For details see instructor's web page at www.cabrillo.edu/services/disted/ "Distance Courses."

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
65276	TH	05:30PM-09:35PM	4.00	M.Nogueira	2502
&	Arr.	Arr.		M.Nogueira	2504

+ 2 hr 5 min open lab per week.

CIS 172 Introduction to Operating Systems

Provides an 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
65277	W	09:00AM-01:05PM	4.00	G.Brady	2501
&	Arr.	Arr.		G.Brady	2504

+ 2 hr 5 min open lab per week.

CIS 187 Multilayer Switched Networks (Cisco CCNP 3)

Focuses on the techniques and technologies required to build campus networks using multilayer switching technologies over high speed Ethernet. Prerequisite: CIS 83 or passing the CCNA exam. Repeatability: May be taken 4 times.

Section	Days	Times	Units	Instructor	Room
65279	Arr.	Arr.	4.00	R.Graziani	OL

Section 65279 is an ONLINE course. Required orientation Monday, 2/8 from 1:15PM-5:20PM 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."

65278	M	01:15PM-05:20PM	4.00	R.Graziani	2502
&	Arr.	Arr.		R.Graziani	2504

+ 4 hr 5 min open lab per week.

CIS 192AB UNIX/Linux Network Administration

Build and monitor network infrastructures, and install, configure, and protect services on Linux TCP/IP networks. Prerequisites: CIS 81 and CIS 90 or equivalent. Recommended Preparation: CIS 191AB. Repeatability: May be taken 2 times.

Section	Days	Times	Units	Instructor	Room
66522	TH	05:30PM-09:35PM	4.00	R.Simms	2501
&	Arr.	Arr.		R.Simms	2504

+ 4 hr 5 min open lab per week.

CIS 193AB UNIX/Linux Security Administration

Teaches how to perform the tasks and examine the strategies of UNIX/Linux host, files, and network security management. Prerequisite: CIS 192AB. Recommended Preparation: CIS 175. Repeatability: May be taken 2 times.

Section	Days	Times	Units	Instructor	Room
66903	T	05:30PM-09:35PM	4.00	J.Griffin	2501
&	Arr.	Arr.		J.Griffin	2504

+ 4 hr 5 min open lab per week.

CIS 194 Microsoft Windows Client Administration

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

Section	Days	Times	Units	Instructor	Room
65280	W	06:00PM-09:05PM	3.00	G.Rollinson	2501
&	Arr.	Arr.		G.Rollinson	2504

+ 3 hr 5 min open lab per week.

