

COMPUTER AND INFORMATION SYSTEMS

Check the CIS department website for the date and time of a reception for new and continuing Computer and Information Systems (CNSA, CSS) majors. Meet the faculty and discover more about the Computer and Information Systems programs: CNSA and CSS.

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

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. Computer Networking and System Administration provides a transfer option to the California State University Monterey Bay.

Cabrillo Network & Systems Technology Lab can be accessed online at <http://webhawks.org/~cislab>, or in the networking lab. For information regarding the arranged lab options, please contact the instructor.

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
74355	M	05:30PM-09:35PM	4.00	R.Graziani	2502
&	Arr.	Arr.		R.Graziani	OL

Section 74355 is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 5 hr 10 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 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
75610	Arr.	Arr.	4.00	R.Graziani	OL

Section 75610 is an ONLINE course. Required orientation Tuesday, 2/7, 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 go.cabrillo.edu/online.

74356	T	05:30PM-09:35PM	4.00	R.Graziani	2502
&	Arr.	Arr.		R.Graziani	OL

Section 74356 is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 5 hr 10 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 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
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75731	Arr.	Arr.	4.00	G.Brady	OL
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Section 75731 is an ONLINE course. Required orientation Monday 2/6 from 6:00PM-9:30PM in Room 2501 OR by arrangement. To arrange an orientation, e-mail the instructor, gebrady@cabrillo.edu. Students will be required to show that they meet the course prerequisites. For details, please 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: CS 1L or CIS 172.

Transfer Credit: CSU.

Section	Days	Times	Units	Instructor	Room
74358	W	01:15PM-04:20PM	3.00	R.Simms	2501

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
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75611	M	09:00AM-01:05PM	4.00	G.Brady	2501
&	Arr.	Arr.		G.Brady	OL

Section 75611 is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 2 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 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
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74348	Arr.	Arr.	1.00	G.Brady	OL
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Section 74348 is an Online course. Students may work in the campus Network & Systems Technology Lab or online remotely with NetLab. For information regarding the lab options, e-mail the instructor at gebrady@cabrillo.edu.

CIS 164 Introduction to Managing and Securing a Web Server

Teaches installation, how to configure, manage, and secure the most widely used web server in the world, Apache. Prerequisite: CIS 90. Repeatability: May be taken 2 times.

Section	Days	Times	Units	Instructor	Room
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75664	TH	01:00PM-04:05PM	3.00	J.Griffin	OL
&	Arr.	Arr.		J.Griffin	OL

Section 75664 is an ONLINE course. Required orientation Thursday, 2/9 from 1:00PM-4:05PM in Room 2501. Meets weekly throughout the semester online during the scheduled times. Students attend online using CCC Confer. Additional 2 hr 5 min

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

Section	Days	Times	Units	Instructor	Room
75612	M	06:00PM-09:10PM	4.00	E.Parrish	1302
&	Arr.	Arr.		E.Parrish	OL

Section 75612 is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 1 hr online lecture and a 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.

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
74349	TH	05:30PM-09:35PM	4.00	M.Nogueira	2502
&	Arr.	Arr.		M.Nogueira	OL

Section 74349 is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 2 hr 5 min online lab per week. For details, see instructor's web page at go.cabrillo.edu/online.

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
74350	W	09:00AM-12:05PM	4.00	G.Brady	2501
&	Arr.	Arr.		G.Brady	OL

Section 74350 is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 1 hr of online lecture and 2 hr 5 min online lab per week. For details, see instructor's web page at go.cabrillo.edu/online.

CIS 187 Implementing IP Switching (Cisco CCNP SWITCH)



Teaches students implementation, monitoring, and maintaining switching in converged enterprise campus networks. Prerequisite: CIS 83 or passing the CCNA exam or equivalent experience. Repeatability: May be taken 4 times.

Section	Days	Times	Units	Instructor	Room
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74352 Arr. Arr. 4.00 R.Graziani OL
Section 74352 is an ONLINE course. Required orientation Tuesday, 2/7 from 1:00PM-5:05PM 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, please see instructor's web page at go.cabrillo.edu/online.

74351	T	01:00PM-05:05PM	4.00	R.Graziani	2502
&	Arr.	Arr.		R.Graziani	OL

Section 74351 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.

CIS 192B UNIX/Linux Network Services

Install, configure, and manage services on UNIX/Linux TCP/IP networks. Prerequisites: CIS 192A. Repeatability: May be taken 2 times.

Section	Days	Times	Units	Instructor	Room
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75613 T 05:30PM-09:35PM 2.00 J.Griffin 2501
& Arr. Arr. J.Griffin OL

Section 75613 is a Hybrid ONLINE course. Meets 8 weeks 4/3 and 4/17-5/29, at the scheduled times with an additional 4 hr 5 min of online lab per day. 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 193A UNIX/Linux Host Security Basics

Teaches how to defend a UNIX/Linux network environment using network sniffers, intrusion detection and firewall technologies. Prerequisite: CIS 191AB or CIS 191B. Recommended Preparation: CIS 175. Repeatability: May be taken 2 times.

Section	Days	Times	Units	Instructor	Room
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75614 T 05:30PM-09:35PM 2.00 J.Griffin 2501
& Arr. Arr. J.Griffin OL

Section 75614 is a Hybrid ONLINE course. Meets 8 weeks 2/7-3/27, at the scheduled times with an additional 4 hr 5 min of online lab per day. 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 194 Microsoft Windows Client Administration

Configure and administer the Microsoft Windows client operating system. Recommended Preparation: CIS 172 or equivalent knowledge.

Section	Days	Times	Units	Instructor	Room
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74353 W 06:00PM-09:05PM 3.00 G.Rollinson 2501
& Arr. Arr. G.Rollinson OL

Section 74353 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 195 Microsoft Windows Server Administration (Semester 1)

Configure and administer the Microsoft Windows Server operating system. Recommended Preparation: CIS 172 and CIS 194 (may be taken concurrently) or equivalent knowledge.

Section	Days	Times	Units	Instructor	Room
74354	TH	05:30PM-09:35PM	4.00	G.Rollinson	2501
&	Arr.	Arr.		G.Rollinson	OL

Section 74354 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.