



COMPUTER NETWORK AND SECURITY MANAGEMENT (CA)

The Certificate of Achievement in Computer Network and Security Management prepares you for high-demand IT careers by combining real-world training with industry certification. Students will be able to:

1. Install, configure, and manage industry-standard computer operating systems with a focus on security
2. Install, manage, and troubleshoot network systems
3. Configure and manage routers and switches (Cisco)
4. Administer server network operating systems & infrastructure
5. Understand and apply network, application, and system security techniques
6. Learn and manage cloud and virtualized environments

REQUIRED: TOTAL 30 UNITS

THIS PROGRAM IS IDEAL FOR STUDENTS PREPARING TO TAKE MICROSOFT AND CISCO CERTIFICATION EXAMS

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www.wlac.edu/computer-science
 Prof. Chiang email: ChiangAS@wlac.edu



Required Core Courses: Total 24 units

Course Code	Course Title	Units
CIS 110	Apple Administration	3
CIS 211	Security+ Certification Preparation	3
CIS 213	A+ Certification Preparation Software	3
CIS 214	Introduction to Network+	3
CIS 215	Network Security Fundamentals	3
CIS 227	Server Administration and Network Security	3
CIS 229	Introduction to CISCO Network Fundamentals	3
CIS 230	Intro to Cisco Routers	3

Major Elective Courses (Choose 2 – 6 Units)

Course Code	Course Title	Units
CIS 104	Microcomputer Application Software	3
CIS 112	Operating Systems – Beginning Linux	3
CIS 192	Introduction to Cloud Computing	3
CIS 212	A+ Certification Preparation – Hardware	3
CIS 225	Enterprise Networking, Security & Automation	3

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Required Courses

Core Courses

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- CIS 211 — Security+ Certification Preparation (3 units)
- CIS 213 — A+ Certification Preparation: Software (3 units)
- CIS 214 — Introduction to Network+ (3 units)
- CIS 215 — Network Security Fundamentals (3 units)
- CIS 227 — Server Administration and Network Security (3 units)
- CIS 229 — Introduction to CISCO Network Fundamentals (3 units)
- CIS 230 — Intro to Cisco Routers (3 units)

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More Information

Please email Professor Chiang, Department Chair: ChiangAS@wla.edu

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Enroll Now at West LA College!