

Moorpark College

Computer Network Systems Engineering CyberSecurity AS Degree

Required courses for CyberSecurity AS Degree – **Listed in Recommended Sequence**

Title	Description	Comment	*Certification	Units	Format	Diff
Complete all Block 1 courses which establish foundation. Can be taken concurrently						
M01	Network+	CompTIA Network+ Pro Exam N10-007	Yes	4	Online	2
M13	TCP Protocols	Internet Protocols + Wireshark Labs	No	4	Online	2
M30	Windows Admin	Microsoft Windows 10 Exam MD-100, MD-101	Yes	3	Hybrid	2
M55	Linux+ Admin	CompTIA Exam LX-103, LX-104	Yes	3	Hybrid	2
M82	Security+	CompTIA Security+ Exam SY0-601	Yes	3	Hybrid	2
M80	Internship	Complete @ end of Ed Plan for possible employment	No	1	Class	2

Legend – *Cert=Certification, U=Units, Diff=Difficulty Level, 3 is very hard, 2 is hard, 1 is foundational.

+ Required 5 additional courses for CyberSecurity AS Degree (Select 5 Courses)

Title	Description	Comment	*Certification	U	Format	Diff
Block 2 – After completion of Block 1 courses, select any 5 courses						
M18	Cisco 1&2	ICND1 Prep Exam 200-301	Yes	4	Hybrid	3
M31	Windows Server	Microsoft Server Exam 70-740 series	Yes	3	Hybrid	3
M56	Adv Linux Admin	Advanced Linux Server Admin	No	3	Class	2
M57	Linux Scripting	Violent Python Security Scripting	No	2	Class	2
M67	VMware	Vmware Exam VCP-DCV 2019	Yes	3	Class	2
M83	Digital Forensics	EX-Council 312-49	Yes	3	Class	2
M84	Cert Ethical Hacker	EC-Council CEH Exam 312-50	Yes	3	Class	3
M86	Palo Alto Firewalls	Firewall Admin PCCSA Exam	Yes	3	Class	3
M100	Cert Sec Analyst	CompTIA CySA+ Exam CS0-002	Yes	3	Online	3
M106	Aws Cloud Architect	AWS Solutions Architect	Yes	3	Online	3
M170	Cert Cloud Security	(ISC)2 Cloud Security Exam	Yes	3	Online	3

Students begin program with Block 1 courses, then complete Block 2 courses. Students can continue with any Block 2 courses once Block 1 foundational courses are completed.

Moorpark College

Computer Network Systems Engineering – AS Degree

Required courses for CNSE AS Degree (Info Technology) – Listed in Recommended Sequence

Title	Description	Comment	*Certification	U	Format	Diff
Block 1 foundational courses and can be taken concurrently – Complete all courses in Block 1						
M06	PC Management A+	CompTIA A+ Pro Exam 220-1001+1002	Yes	4	Online	1
M05	Lan/Wan + Security	Reviews Lan and Wan Networking + Security Intro	No	4	Online	1
M01	Network+ Foundations	CompTIA Network+ Pro Exam N10-007	Yes	4	Online	2
Block 2 – After completion of Block 1 courses, complete all Block 2 courses						
M13	TCP/IP Protocols	Internet Protocols + Wireshark Labs	No	4	Online	2
M18	Cisco 1&2	ICND1 Prep Exam 200-301	Yes	4	Hybrid	3
M30	Windows Admin	Microsoft Windows 10 Exam MD-100, MD-101	Yes	3	Hybrid	2
M31	Windows Server	Microsoft Server Exam	Yes	3	Hybrid	3
M82	Security+ Foundations	CompTIA Security+ Exam SY0-601	Yes	3	Hybrid	2
M80	Internship	Complete end of Education Plan	No	1	Class	2

Legend – *Cert=Certification, U=Units, Diff=Difficulty Level, 3 is very hard, 2 is hard, 1 is foundational.

Block 3 – Complete 2 additional courses for CNSE AS Degree (Select 2 courses) from Block 3

Title	Description	Comment	*Certification	U	Format	Diff
Block 3 courses are electives. Complete 2 courses based on interest.						
M19	Cisco 3&4	ICND2 Prep Exam 200-301	Yes	4	Hybrid	3
M55	Linux+ Admin	CompTIA Exam LX103, LX-104	Yes	3	Hybrid	2
M57	Linux Scripting	Python Scripting	No	2	Class	2
M58	Cloud Databases	AWS RDS and DynamoDB	Yes	2	Online	2
M67	VMware	VMware Exam VCP-XXX	Yes	3	Class	2
M84	Cert Ethical Hacker	EC-Council CEH Exam 312-50	Yes	3	Class	3
M86	Palo Alto Firewalls	Firewall Admin PCCSA Exam	Yes	3	Class	3
M100	Cert Sec Analyst	CompTIA CySA+ Exam CS0-002	Yes	3	Online	2
M105	Cloud Practitioner	AWS Cloud Practitioner Exam	Yes	3	Online	2
M106	Cloud Architect	AWS Cloud Architect Exam	Yes	3	Online	3

Students begin program with Block 1 courses, then complete Block 2 courses. Students can continue with any Block 2 courses once Block 1 foundational courses are completed.

Disclaimer: Students should seek advisement for Education Plan from Moorpark College Counseling to ensure Degree Credits, Graduation Timelines, and approvals of needed Course Substitution Petitions.