

# Associates Degree Curriculum

## SEMESTER 1

Course No.	Course Title	Class	Lab	Credits
CSE-110/110L	Intro to Computer Systems	2	1	3
CSE-140/140L	Operating Systems 1	3	1	4
CSO-105/105L	Cisco Intro to Networks	3	1	4
ELE-111/111L	Internet of Things (IOT)	3	1	4
ENG-101	English Composition 1	3		3
	Total:	14	4	18

## SEMESTER 2

CSE-150	Linux Command and Shell Prog	3		3
CSO-155/155L	Cisco Routing and Switching	3	1	4
CSE-160	Intro to Programming with Python	3		3
CSE-240/240L	Operating Systems 2	3	1	4
EL-MATH	Elective: Mathematics 100 level or higher	3		3
	Total:	15	2	17

## SEMESTER 3

CSE-220	Computer And Network Security	3		3
CSO-205/205L	Cisco Scaling Networks	3	1	4
TCM-100	Physical Layer Transmission	4		4
EL-TCM	Choose one 4 credit TCM class with lab	3	1	4
EL-ENG	College Level English (Note 1)	3		3
EL-MAT	Elective: Mathematics	3		3
	Total:	15	2	17

## SEMESTER 4

CSO-255/255L	Connecting Networks	3	1	4
EL-TCM	Choose two 4 credit TCM classes with labs	6	2	8
EL-SOC	Elective: Social Science	3		3
	Total:	11	3	15

## ELECTIVES

CSO-240/240L	Cisco CCNA Security	3	1	4
TCM-155/155L	Wireless Communications	3	1	4
TCM-230/230L	Voice Over IP (VOIP) Phone Systems	3	1	4
TCM-225/225L	System And Network Monitoring	3	1	4

## NOTES

1. College level English. Choose from ENG-105 Fundamentals of Oral Communication, ENG-104 Technical Report Writing, or ENG-102 Composition 2: Intro to Literature.
2. Technical Math 1 and Statistics. If you have transfer credit from another accredited institution see your academic advisor.
3. Students are required to take 20 general education credits. This is satisfied by two English classes (6 credits), two math classes (7 or 8 credits) one social science class (3 credits), and one lab science (4 credits).