

**Columbus State Community College
Associate of Applied Science (AAS) Degree,
Computer Science- Network Administrator
to Wright State University
Bachelor of Science (BS) Degree,
Major: Information Technology & Cybersecurity
Sample Graduation Plan**

Required Courses for the AAS Degree in Network Administrator

DEGREE REQUIREMENTS — COMPUTER SCIENCE - NETWORK ADMINISTRATOR AAS

FIRST SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI1101 - Computer Concepts & Apps	AU SP SU	3.0	- Upon completion of CSCI 1152 Networking Concepts, Network Administrator and Cybersecurity students are prepared and encouraged to study and complete the CompTIA Network+ certification exam. - Upon completion of CSCI 1152 Networking Concepts, Network Administrator students are encouraged to study and complete a Microsoft network certification exam.
CSCI1152 - Networking Concepts (Network+)	AU SP SU	3.0	
COLS1100 - First Year Experience Seminar	AU SP SU	1.0	
MATH1148 - College Algebra	AU SP SU	4.0	
ENGL1100 - Composition I	AU SP SU	3.0	
Semester Credits		14	

SECOND SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI1103 - Intro to Programming Logic	AU SP SU	3.0	Upon completion of CSCI 1772, Network Administrator students are encouraged to study and complete a Microsoft network certification exam.
CSCI1772 - Networking I	SP	3.0	
MATH1149 - Trigonometry	AU SP SU	4.0	
SBS-XXXX (select from approved GE-SBS list)		3.0	
Semester Credits		13	

THIRD SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI2770 - Network Communication & TCP/IP	AU	3.0	
MATH1151 - Calculus I	AU SP SU	5.0	
Semester Credits		8	

FOURTH SEMESTER

Course	Term	Credits	Milestones/Progress Check
ACCT1211 - Financial Accounting	AU SP SU	3.0	During this semester, Network Administrator students should contact the Division Internship Coordinator to secure an internship or register for the CSCI 2999 Capstone course.
CSCI1145 - HTML	AU SP	3.0	
CSCI1275 - Business Analysis with Agile Development Frameworks	AU SP SU	3.0	
CSCI2774 - Networking II	AU	3.0	
CSCI2790 - Linux Administration (Linux+)	AU SU	3.0	Upon completion of CSCI 2790, students are encouraged to study and complete the Linux network certification exam.
BMGT2280 - Professional Development	AU SP	1.0	
Semester Credits		16	

FIFTH SEMESTER

Course	Term	Credits	Milestones/Progress Check
CRJ2021 - Introduction to Cyberlaw	AU SP SU	3.0	Students in CSCI 2778 work in groups to design, develop, complete and present Wireless Network Solution for a customer.
NAT-XXXX (select from approved GE-NAT list)		3.0	
CSCI2778 - Wireless, Voice, & Mobile Comm	AU SP	3.0	
CSCI2792 - Virtualization	SP	2.0	Upon completion of CSCI 2778, Network Administrator students are eligible to receive their Network Administrator Certificate.
CSCI2802 - CSCI Seminar and	AU SP SU	1.0	
CSCI2902 - CSCI Practicum or	AU SP SU	3.0	
CSCI2999 - CSCI Capstone	AU SP	3.0	
Semester Credits		14 - 15	
TOTAL ACCUMULATED CREDITS		65 - 66	

Required Courses for the BS Degree, Information Technology & Cybersecurity Major

Year 1

Autumn Semester		Spring Semester	
CEG 2350 Operating System Concepts & Usage	(3)	CEG 3400 Introduction to Cyber Security	(3)
CS 1000 Technology & Society	(3)	STT 1600 or 2640 (choose one)	(4)
CEG 2800 Web Development I	(3)	CS 3700 Intro to Databases & Modeling	(3)
EGR 3350 or ENG 2140 (choose one)	(3)	CEG 3410 Introduction to Digital Forensics	(3)
		CS 3170 Mobile Application Development	(3)
	(12)		(16)

Year 2

Autumn Semester		Spring Semester	
CEG 4424 Security Attacks & Defenses	(3)	CEG/CS Technical Elective (4000 Level or above)	(3)
CEG 4980 Team Projects I	(3)	CEG 4981 Team Projects II	(3)
CEG 4430 Cyber Network Security	(3)	CEG/CS Technical Elective (4000 Level or above)	(3)
History or Arts/Humanities Course	(3)	Arts/Humanities Course	(3)
CEG/CS Technical Elective	(3)	Natural Science Course	(3)
	(15)		(15)

Notes about the BS Degree, Information Technology & Cybersecurity Major

- **MATH 1146/1148** – Students should complete MATH 1146/1148 for the CSCC AAS degree. This course should automatically apply to the AAS degree program. If not or if students have questions about this requirement, they may contact their advisor through this link: <https://www.csc.edu/services/advising/be-advising.shtml>
- **Required coursework to enter the major:** Students must complete CSCI 2467 and ENGL 1100 at Columbus State with a grade of “C” or higher. Students must have an overall GPA of 2.0 or higher to be accepted into Wright State University and the pre-IT/Cybersecurity major. Once enrolled at Wright, students must complete CEG 2350 and MTH 2240/MTH 2280/CS 2200/EGR 1010 with a grade of “C” or higher as well as an overall GPA of 2.25 or higher to be fully admitted into the major. **Students should apply one semester prior to completing their CSCC degree to Wright State University** (priority application deadlines: April 1 for Fall; October 15 for Spring; and February 1 for summer).
- To graduate from Wright State, students must complete a minimum of 127-130 credit hours.
- **Wright State General Education:** The majority of courses required for the general education requirement for Wright State (the Wright State Core) will be met by course work completed as directed within the AAS Computer Science-Network Administrator degree. If this course work is not completed at CSCC, students will need to complete whatever course work not completed at CSCC in addition to the course work outlined for the general education requirement in the plan above at Wright State.
- This degree is primarily offered only on Wright State’s campus in Dayton, Ohio. Some individual courses may be offered online, but the entire program is not available online.