

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

Required Courses for the AAS Degree in Software Developer

DEGREE REQUIREMENTS — COMPUTER SCIENCE - SOFTWARE DEVELOPER AAS

FIRST SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI1101 - Computer Concepts & Apps	AU SP SU	3.0	Students should complete MATH 114/1148 to meet Wright State requirements.
CSCI1103 - Intro to Programming Logic	AU SP SU	3.0	
MATH1111 - Discrete Mathematics for Computing	AU SP SU	3.0	
ENGL1100 - Composition I	AU SP SU	3.0	
ITST1101 - IT Fundamentals +	AU SP SU	2.0	
COLS1100 - First Year Experience Seminar	AU SP SU	1.0	
Semester Credits		15	

SECOND SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI1145 - HTML	AU SP	3.0	Students should complete CSCI 2467 instead of CSCI 1630 to meet Wright State requirements.
HUM XXXX - Arts and Humanities (refer to approved HUM course List)		3.0	
CSCI1152 - Networking Concepts (Network+)	AU SP SU	3.0	
CSCI2467 - Java Programming I or CSCI1630 - C# Programming I	AU SP AU SP	3.0 3.0	
ITST1130 - Cloud Foundations for AWS Cloud Practitioner	AU SP SU	3.0	
Semester Credits		15	

THIRD SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI1275 - Business Analysis with Agile Development Frameworks	AU SP SU	3.0	
CSCI1320 - Database Fundamentals	AU SP SU	3.0	
ITST1136 - Linux Essentials	AU SP	3.0	
Semester Credits		9	

FOURTH SEMESTER

Course	Term	Credits	Milestones/Progress Check
ITST2258 - Application Security	AU	3.0	Students should take CSCI 2447 for Tech. Elective A and CSCI 2469, instead of CSCI 2630, for Wright State requirements.
COMM2200 - Business Communication	AU SP SU	3.0	
Technical Elective A (see list)		3.0	
CSCI2469 - Java Programming II or CSCI2630 - C# Programming II	AU SP AU SP	3.0 3.0	
Semester Credits		12	

FIFTH SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI2802 - CSCI Seminar and CSCI2902 - CSCI Practicum or CSCI2999 - CSCI Capstone	AU SP SU AU SP SU AU SP	1.0 3.0 3.0	Students should complete CSCI 2521 for Tech. Elective B to meet Wright State requirements.
NAT XXXX Biological and Physical Sciences (refer to approved GE-NAT course list)		3.0	
SBS XXX - Social and Behavioral Science (refer to approved SBS course list)		3.0	
Technical Elective B (see list)		3.0	
Semester Credits		12 - 13	
TOTAL ACCUMULATED CREDITS		63 - 64	

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

Year 1

Autumn Semester	Spring Semester
CEG 2350 Operating System Concepts & Usage (4)	CS 3170 Mobile App Development (3)
CS 1000 Technology & Society (3)	CEG 2410 System Administration (3)
CS 2200, EGR 1010, MTH 2240, or MTH 2280 (choose one) (4)	CS 3700 Intro to Databases & Modeling (3)
EGR 3350 or ENG 2140 (choose one) (3)	CEG 3410 Introduction to Digital Forensics (3)
	CEG 3400 Introduction to Cyber Security (3)
(14)	(15)

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)
STT 1600 or 2640 Stat. Conc. or Elem. Stats (choose one) (4)	Natural Science Course (3)
Arts and Humanities Course (3)	CEG/CS Technical Elective (3)
(16)	(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-Software Developer 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.