

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

Required Courses for the AAS Degree in Web Developer

DEGREE REQUIREMENTS — COMPUTER SCIENCE - WEB DEVELOPER AAS

FIRST SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI1101 - Computer Concepts & Apps	AU SP SU	3.0	Students should complete MATH 1146/1148 instead of MATH 1111 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	
COLS1100 - First Year Experience Seminar	AU SP SU	1.0	
Semester Credits		13	

SECOND SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI1145 - HTML	AU SP	3.0	
CSCI1152 - Networking Concepts (Network+)	AU SP SU	3.0	
ACCT1211 - Financial Accounting	AU SP SU	3.0	
ECON2200 - Principles of Microeconomics or SBS XXX - select from list	AU SP SU	3.0	
		3.0	
Semester Credits		12	

THIRD SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI1275 - Business Analysis with Agile Development Frameworks	AU SP SU	3.0	
HUM-XXXX (select from approved GE-HUM list)		3.0	
GIS1102 - Mapping for Everyone	AU SP SU	2.0	
Semester Credits		8	

FOURTH SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI2412 - Web Database Development	AU SP	4.0	
CSCI2447 - JavaScript Fundamentals	AU	3.0	
CSCI2467 - Java Programming I	AU SP	3.0	
COMM2204 - Technical Writing	AU SP SU	3.0	
IMM1100 - Principles of Interactive Design	AU SP SU	3.0	
Semester Credits		16	

FIFTH SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI2479 - Advanced Web Programming	SP	3.0	Students should complete either CSCI 2370 or 2560 for their Tech. Elective course to meet Wright State requirements.
CSCI-XXXX (Technical Elective)		3.0	
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	
NAT-XXXX (select from approved GE-NAT list)		3.0	
MKTG1110 - Marketing Principles	AU SP SU	3.0	
Semester Credits		15 - 16	

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

Year 1

Autumn Semester	Spring Semester
CEG 2350 Operating System Concepts & Usage (4)	EGR 3350 or ENG 2140 (choose one) (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 or 3170 (choose one) (3)
Natural Science Course (4)	CEG 3410 Introduction to Digital Forensics (3)
	CEG 3400 Introduction to Cyber Security (3)
(15)	(18)

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)	CEG/CS Technical Elective (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 128-131 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- Web 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.