

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

Required Courses for the AAS Degree in Information Technology Support Technician

FIRST SEMESTER

Course	Term	Credits	Milestones/Progress Check
ITST1101 - IT Fundamentals +	AU SP SU	2.0	Students should complete MATH 1146/1148 instead of MATH 1111 to meet Wright State requirements. SEE NOTES on page 2.
ITST1102 - Industrial Network Communications	AU SP SU	2.0	
MATH1111 - Discrete Mathematics for Computing	AU SP SU	3.0	
COLS1100 - First Year Experience Seminar	AU SP SU	1.0	
ENGL1100 - Composition I	AU SP SU	3.0	
ESSH1101 - Intro to Environ Science, Safety, Health	AU SP SU	3.0	
Semester Credits		14	

SECOND SEMESTER

Course	Term	Credits	Milestones/Progress Check
ITST1123 - A + Cert, Managing/Troubleshooting PCs	AU SP	3.0	
CSCI1152 - Networking Concepts (Network+)	AU SP SU	3.0	
CSCI1320 - Database Fundamentals	AU SP SU	3.0	
CSCI1103 - Intro to Programming Logic	AU SP SU	3.0	
ITST2252 - Scripting Fundamentals	AU SP	2.0	
Semester Credits		14	

THIRD SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI1145 - HTML	AU SP	3.0	
PHIL1130 - Ethics	AU SP SU	3.0	
CSCI2790 - Linux Administration (Linux+)	AU SU	3.0	
BMGT1102 - Interpersonal Skills	AU SP SU	2.0	
ITST2238 - Information Security Fundamentals	AU SP SU	3.0	
ITST1136 - Linux Essentials	AU SP	3.0	
Semester Credits		17	

FOURTH SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI2999 - CSCI Capstone	AU SP	3.0	
PSY1100 - Introduction to Psychology	AU SP SU	3.0	
CSCI1275 - Business Analysis with Agile Development Frameworks	AU SP SU	3.0	
CSCI2776 - Network Security Fundamentals	AU SP	3.0	
ITST2258 - Application Security	AU	3.0	
Semester Credits		15	
TOTAL ACCUMULATED CREDITS		60	

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/CS Technical Elective (3)
CS 2200, EGR 1010, MTH 2240, or MTH 2280 (choose one) (4)	CS 3700 Intro to Databases & Modeling (3)
CS 2800 Web Development I (3)	CEG 3410 Introduction to Digital Forensics (3)
Arts/Humanities- History Course (3)	CS 3170 Mobile Application Development (3)
(17)	(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 (4)
CEG/CS Technical Elective (3)	
(16)	(13)

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 ITST 2252 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 124 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-ITST 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.