ANDERSON UNIVERSITY

Academic Advising

Cybersecurity Major (64 credit hours)

The Cybersecurity program is designed for students who seek to defend against cyberthreats in the realms of industry and public service. Cybersecurity majors seek to be the "good guys", similar to firefighters or policemen, defending individuals, customers, and the public against today's ever present cyberattacks. Courses acquaint students with information assurance, server and network environments, cryptography, cyber-related public policy, and cyberwarfare. Majors in Cybersecurity typically pursue careers in industry for a wide variety of companies, in a security operations center, or in local, state, or federal government service.

Major Requirements:

Foundation Courses (28 credit hours):

- CPSC 2020, Fundamentals of Computational Thinking and Programming, 4 credit hours
- CPSC 2080, Introduction to Cybersecurity, 3 credit hours
- CPSC 2300, System Administration, 3 credit hours
- MATH 2120, Introductory Statistics with Applications, 3 credit hours
- MATH 2200/CPSC 2250, Discrete Mathematical Structures, 4 credit hours
- POSC 2020, Introduction to World Politics, 3 credit hours
- POSC 2200, Public Policy, 3 credit hours
- POSC 2400, Social Science Research Methods, 3 credit hours
- POSC 2420, Applied Statistics Lab, 2 credit hours

National Security Policy Courses (6 credit hours):

- POSC/CRIM 3350, Homeland Security, 3 credit hours
- POSC 3370, Intelligence and Security Studies, 3 credit hours

Ethics Course (3 credit hours):

- PHIL/RLGN 3250, Ethics and Morality for Professionals, 3 credit hours

Professional Core (21 credit hours):

- CPSC 2150, Technology and Society, 2 credit hours
- CPSC 3410, Computer Networks, 4 credit hours
- CPSC 3480, Network Security, 3 credit hours
- CPSC 4060, Penetration Testing, 3 credit hours
- CPSC 4070, Cybersecurity Analysis and Digital Forensics, 3 credit hours
- Any 3 credit hours from the following:
    - CPSC 4480, Technical Certification, 1 credit hours
    - CPSC 4820, Cybersecurity Internship, 2-4 credit hours
- 3 credit hours from CPSC 4970 Senior Project, 2-4 credit hours

Electives (6 credit hours) chosen from:

- CPSC 2000 and above
- CRIM 2520, Introduction to Criminal Justice, 3 credit hours
- POSC 3250, Constitutional Law, 3 credit hours
- POSC 3310, Political Violence & Terrorism, 3 credit hours
- PSYC/CRIM 3080, Forensic Psychology 2 credit hours
- PSYC 3330, Cognitive Psychology, 3 credit hours

NOTE: All students must complete 120 total credit hours to graduate from Anderson University.

ANDERSON UNIVERSITY

Academic Advising

Cybersecurity Major: 4 Year Suggested Course Sequence

SEMESTER 1	15	SEMESTER 2	16
CPSC 2020	4 Hours	CPSC 2300	3 Hours
CPSC 2080	3 Hours	MATH 2200/CPSC 2250	4 Hours
POSC 2020	3 Hours	AUXP 2000	3 Hours
AUXP 1000	2 Hours	H & A Ways of Knowing	3 Hours
ENGL 1120 (Written Communication)	3 Hours		

SEMESTER 3	16	SEMESTER 4	16
CPSC 3410	4 Hours	CPSC 2150	2 Hours
POSC 2400	3 Hours	CPSC 3480	3 Hours
AUXP 2100	3 Hours	POSC 2200	3 Hours
Speaking & Listening	3 Hours	MATH 2120	3 Hours
Additional Class	3 Hours	POSC 2420	2 Hours
		AUXP 2200	3 Hours

SEMESTER 5	15	SEMESTER 6	13
Major Elective	3 Hours	CPSC 4060/4070*	3 Hours
PHIL/RLGN 3250	3 Hours	POSC 3350	3 Hours
AUXP 3000	2 Hours	Major Elective	3 Hours
AUXP 3100	1 Hour	Raven Core Course	4 Hours
Raven Core Course	3 Hours		
Additional Class	3 Hours		

SEMESTER 7	14	SEMESTER 8	15
CPSC 4480/4820	3 Hours	CPSC 4060/4070*	3 Hours
AUXP 4000	1 Hour	CPSC 4970	3 Hours
Scientific Ways of Knowing	4 Hours	POSC 3370	3 Hours
Additional Class	3 Hours	Additional Class	3 Hours
Additional Class	3 Hours	Additional Class	3 Hours

* CPSC 4060 is offered in the spring semester of odd years, CPSC 4070 in the spring semester of even years

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ANDERSON UNIVERSITY

Academic Advising

Cybersecurity Major: 3 Year Suggested Course Sequence

SEMESTER 1	17	SEMESTER 2	17
CPSC 2080	3 Hours	CPSC 2020	4 Hours
POSC 2020	3 Hours	CPSC 2300	3 Hours
AUXP 1000	2 Hours	MATH 2200/CPSC 2250	4 Hours
ENGL 1120 (Written Communication)	3 Hours	AUXP 2000	3 Hours
H & A Ways of Knowing	3 Hours	Additional Class	3 Hours
Speaking & Listening	3 Hours		

SUMMER 1	9
Additional Classes	9 Hours

SEMESTER 3	18	SEMESTER 4	16
CPSC 3410	4 Hours	CPSC 2150	2 Hours
POSC 2400	3 Hours	CPSC 3480	3 Hours
AUXP 2100	3 Hours	CPSC 4060/4070*	3 Hours
Scientific Ways of Knowing	4 Hours	POSC 2420	2 Hours
Raven Core Course	4 Hours	POSC 2200	3 Hours
		Raven Core Course	3 Hours

SUMMER 2	9
AUXP 2200	3 Hours
Additional Classes	6 Hours

SEMESTER 5	17	SEMESTER 6	18
CPSC 4480/4820	3 Hours	CPSC 4060/4070*	3 Hours
PHIL/RLGN 3250	3 Hours	CPSC 4970	3 Hours
Major Elective	3 Hours	MATH 2120	3 Hours
AUXP 3000	2 Hours	POSC 3350	3 Hours
AUXP 3100	1 Hour	POSC 3370	3 Hours
AUXP 4000	1 Hours	Major Elective	3 Hours
Additional Course	3 Hours		

* CPSC 4060 is offered in the spring semester of odd years, CPSC 4070 in the spring semester of even years

NOTE: All students must complete 120 total credit hours to graduate from Anderson University.