



This guide serves as a mapping tool for students. Individual student evaluations will vary.
Please contact SNHU-COCE Academic Alliances Team
for personalized guidance or questions at:
Admissions: 1.800.668.1249 | AcademicAlliances@snhu.edu

Ivy Tech Community College AAS/AS Cyber Security/Information Assurance		Cr	Southern New Hampshire University-COCE B.S. Information Technology-Cybersecurity Concentration		Cr
Course Equivalencies			General Education Core Requirements		45
ENGL 111 English Composition	3	ENG 122 College Composition I		3	
ENGL 112 Exposition and Persuasion	3	ENG 123 College Composition II		3	
MATH 200 Statistics (Quantitative Reasoning Elective)	3	MAT 240 Applied Statistics		3	
MATH 136 College Algebra (Quantitative Reasoning Elective)	3	MAT-ELE (SNHU 107 or Free Elective for students transferring 12+ credits)		3	
Free Elective	3	IDS 100 or Free Elective for students transferring 12+ credits		3	
Humanistic/Artistic Ways of Knowing (ARTH, ENGL, HUMA, PHIL)	3	Fine Arts and Humanities Electives, HUM 100, or HUM 200 (EFAH)		3	
Humanistic/Artistic Ways of Knowing (ARTH, ENGL, HUMA, PHIL)	3	Fine Arts and Humanities Electives, HUM 100, or HUM 200 (EFAH)		3	
Social and Behavioral Ways of Knowing (ANTH, ECON, POLS, PSYC, SOCI)	3	Social and Behavioral Sciences Electives, SCS 100, or SCS 200 (ESBS)		3	
Social and Behavioral Ways of Knowing (ANTH, ECON, POLS, PSYC, SOCI)	3	Social and Behavioral Sciences Electives, SCS 100, or SCS 200 (ESBS)		3	
Life/Physical Sciences (Scientific Ways of Knowing Elective)	3	Science/Technology/Mathematics Electives, SCI 100, or SCI 200 (ESTM)		3	
Life/Physical Sciences (Scientific Ways of Knowing Elective)	3	Science/Technology/Mathematics Electives, SCI 100, or SCI 200 (ESTM)		3	
History Electives	3	History Electives, HIS 100, or HIS 200 (EHIS)		3	
History Electives	3	History Electives, HIS 100, or HIS 200 (EHIS)		3	
COMM 101 Fundamentals of Public Speaking	3	COM 212 Public Speaking (EGED)		3	
SNHU Course	3	Choose one (1) Seminar Course: IDS 400, IDS 401, IDS 402, IDS 403, or IDS 404		3	
Major Course Requirements			57		
		MAT 140 Precalculus		3	
		OL 125 Human Relations in Administration		3	
		OL 328 Leadership		3	
SDEV 140 Introduction to Software Development		IT 145 Foundation in Application Development		3	
INFM 109 Informatics Fundamentals	3	IT 200 Fundamentals of Information Technology		3	
ITSP 135 Hardware/Software Support or ITSP 136 Workforce Preparation: CompTIA A+ Certification	3	IT 201 Computer Platform Technologies		3	
		IT 210 Business Systems Analysis and Design		3	
SDEV 153 Web Site Development	3	IT 270 Web Site Design		3	
		IT 315 Object Oriented Analysis and Design		3	
CPIN 269 Computing and Informatics Project Management or CPIN 270 Workforce Preparation: CompTIA Project+ Certification	3	IT 328 Project Management in Information Technology		3	
DBMS 150 Oracle Database Administration I (or Higher)	3	IT 330 Database Design and Management		3	
INFM 209 Informatics and Human-Computer Interaction	3	IT 331 Human Factors in Information Technology		3	
NETI 105 Network Fundamentals or NETI 114 Workforce Preparation: Certification CompTIA Network+	3	IT 340 Network and Telecommunication Management		3	
CSIA 105 Introduction to Cyber Security/Information Assurance or CSIA 106 Workforce Preparation: CompTIA Security+ Certification	3	IT 380 Cybersecurity and Information Assurance		3	
ENGL 211 Technical Writing	3	IT 385 Information Technology Communications		3	
		IT 412 Cyberlaw and Ethics		3	
		IT 415 Advanced Information Systems Design (Capstone)		3	
		IT 420 Advanced Information Systems Implementation (Capstone)		3	
		IT 489 Information Technology Portfolio Planning		3	
Cybersecurity Concentration			12		
		IT 241 Human Factors in Cybersecurity		3	
SVAD 111 Linux and Virtualization Technologies Fundamentals	3	IT 251 Intro to UNIX/LINUX Operating System		3	
CSIA 215 Perimeter Defense	3	IT 320 Network Security		3	
		IT 335 Security Principles		3	
Ivy Tech Community College Courses			SNHU-COCE Free Electives		6
IVYT 111 Student Success in University Transfer or IVYT 115 Student Success in Computing and Informatics	1	Free Elective		1	
XXXX XXX Cyber Security/Information Assurance Selective I (For AAS)	1	Free Elective		1	
XXXX XXX Cyber Security/Information Assurance Selective II (For AAS)	3	Free Elective		3	
SDEV 120 Computing Logic	3	Free Elective		3	
CPIN 279 Computing and Informatics Exploration and Evaluation	1	Free Elective		1	
CSIA 210 Network Protocol Analysis	3	Free Elective		3	
Excessive Credit for ITSP 135	1	Free Elective		1	
Ivy Tech Community College AAS/AS Cyber Security/Information Assurance Credits	60-90	SNHU-COCE B.S. Information Technology-Cybersecurity Concentration Total Credits Required		120	

* Excess general education credits are transferred as free elective credit, if available.

- This guide serves as a mapping tool for students and is based upon SNHU-COCE 2017/2018 Academic Catalog and transfer equivalents.
- Students must earn a grade of "C-" or better for course transfer.
- Students may transfer up to 90 credits if previous credits earned meet SNHU-COCE's degree requirements and academic standards for transfer.
- Students must take at least 30 credits (ten classes) at SNHU-COCE to be awarded a bachelor's degree.