BACHELOR OF SCIENCE IN APPLIED CYBERSECURITY AND INFORMATION TECHNOLOGY

Required Courses

Code	Title	Credit Hours
Information Technology Cor		(36)
ITM 301	Introduction to Contemporary Operating Systems and Hardware I	3
ITM 303	Introduction to Contemporary Operating Systems and Hardware II	3
ITM 311	Introduction to Software Development	3
ITM 313	Introduction to Open Source Application Development	3
or ITM 312	Introduction to Systems Software Programming	
ITMD 321	Data Modeling and Applications	3
ITMD 361	Fundamentals of Web Development	3
ITMD 362	Human-Computer Interaction and Web Design	3
ITMD 411	Intermediate Software Development	3
ITMM 471	Project Management for Information Technology and Management	3
ITMO 340	Introduction to Data Networks and the Internet	3
ITMO 356	Introduction to Open Source Operating Systems	3
ITMT 330	Introduction to Information Systems and the IT Profession	3
Cybersecurity Core Requirer	nents	(27)
ITMM 485	Legal and Ethical Issues in Information Technology	3
ITMS 418	Coding Security	3
ITMS 438	Cyber Forensics	3
ITMS 443	Vulnerability Analysis and Control	3
ITMS 448	Cyber Security Technologies	3
ITMS 458	Operating System Security	3
ITMS 478	Cyber Security Management	3
ITMS 483	Digital Evidence	3
ITMT 430	System Integration	3
Cybersecurity and Informati	(6)	
Select six credit hours from	ITM, ITMD, ITMM, ITMO, ITMS, ITMT, or TECH courses	6
Mathematics Requirements		(20)
MATH 151	Calculus I	5
MATH 152	Calculus II	5
MATH 230	Introduction to Discrete Math	3
MATH 251	Multivariate and Vector Calculus	4
MATH 474	Probability and Statistics	3
Natural Science and Engine	ering Requirements	(10)
EG 225 and PHYS 200 are re		. ,
See Illinois Tech Core Curric	10	
Humanities and Social Scier	(21)	
PSYC 301 is recommended	·	
See Illinois Tech Core Curric	21	
Interprofessional Projects (I	(6)	
See Illinois Tech Core Curric	6	
Free Electives	•	(3)
Select three credit hours	3	
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Bachelor of Science in Applied Cybersecurity and Information Technology

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Total Credit Hours: 129