

BACHELOR OF SCIENCE IN BUSINESS AND CYBERSECURITY

Code	Title	Credit Hours	Free Electives	(4)
Business Core Required Courses			Select 4 credit hours.	4
			Total Credit Hours	120
BUS 100	Business in the 21st Century	3	¹ ITM 313 satisfies Computer Science Requirement ² Prerequisite ITMD 411—conditional permission to enroll in ITMS 418	
BUS 211	Financial Accounting	3		
BUS 212	Managerial Accounting	3		
BUS 221	Business Statistics	3		
BUS 301	Organizational Behavior	3		
BUS 305	Operation and Supply Chain Analytics	3		
BUS 321	Analytics for Optimization	3		
BUS 351	Financial Decision Making and Capital Budgeting	3		
or ECON 423	Economics of Capital Investments			
BUS 371	Marketing Fundamentals	3		
BUS 480	Strategic Management and Design Thinking	3		
ECON 151	Microeconomics	3		
ECON 152	Macroeconomics	3		
Information Technology and Cybersecurity Required Courses				
ITM 301	Introduction to Contemporary Operating Systems and Hardware I	3		
ITM 313	Introduction to Open Source Application Development ¹	3		
ITMD 321	Data Modeling and Applications	3		
ITMO 340	Introduction to Data Networks and the Internet	3		
ITMO 356	Introduction to Open Source Operating Systems	3		
ITMS 418	Coding Security ²	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		
Mathematics Requirement				
MATH 180	Fundamentals of Discrete Mathematics	3		
MATH 148	Preparation for Calculus	4		
or MATH 151	Calculus I			
or MATH 191	Business Calculus			
or MATH 192	Linear Mathematics			
Natural Science and Engineering Requirements				
See Illinois Tech Core Curriculum, section D		10		
Humanities and Social Science Requirements				
See Illinois Tech Core Curriculum, section B and C		21		
Interprofessional Projects (IPRO)				
See Illinois Tech Core Curriculum, section E		6		

Semester 1	Credit Hours	Semester 2	Credit Hours	Year 1
BUS 100	3	ECON 152	3	
ECON 151	3	Social Science Elective (100 Level)	3	
ITM 301	3	ITM 313 ¹	3	
Humanities Elective (100 Level)	3	MATH 180	3	
MATH 148, 151, 191, or 192	4	Science Elective	4	
			16	16
				Year 2
BUS 211	3	BUS 212	3	
BUS 321	3	BUS 221	3	
ITMO 340	3	ITMS 448	3	
ITMO 356	3	ITMD 321	3	
Science Elective	3	Science Elective	3	
			15	15
				Year 3
BUS 301	3	BUS 305	3	
BUS 371	3	BUS 351 or ECON 423	3	
ITMS 443	3	ITMS 418 ²	3	
ITMS 478	3	ITMS 458	3	
Humanities Elective (200+)	3	IPRO Elective I	3	
			15	15
				Year 4
ITMS 438	3	BUS 480	3	
Humanities Elective (200+)	3	ITMS 483	3	

IPRO Elective II	3 Humanities or Social Science Elective	3
Social Science Elective (200+)	3 Social Science Elective (200+)	3
Free Elective	4	
	16	12

Total Credit Hours: 120

¹ ITM 313 satisfies Computer Science Requirement

² Prerequisite ITMD 411 - conditional permission to enroll in ITM 418