

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Required Courses

Code	Title	Credit Hours
Information Technology and Management Core Requirements		(42)
ITM 100	Intro to IT as a Profession	3
ITM 301	Intro OS and Hardware I	3
ITM 311	Intro to Software Development	3
ITMD 361	Fund of Web Development	3
ITMD 362	Human-Computer Interaction	3
ITMD 411	Intermediate Software Devlpmnt	3
ITMD 421	Data Modeling and Applications	3
ITMM 471	Project Management for ITM	3
ITMO 440	Intro Data Networks & Internet	3
ITMO 456	Intro Open Source OS	3
ITMM 485 or ITMS 478	Legal and Ethical Issues in IT Cyber Security Management	3
ITMS 448	Cyber Security Technologies	3
ITMT 430	System Integration	3
ITMT 491 or ITM 497	Undergraduate Research Independent Study	3
Information Technology Theoretical Foundations Requirements		(10)
CS 331	Data Structures & Algorithms	3
ECE 218	Digital Systems	4
And select one of the following:		
Any 300 or 400 level CS course except CS 330		3
ECE 242	Digital Computers & Computing	3
Information Technology and Management Electives		(15)
Select fifteen credit hours from BUS, CS, ECE, ITM, ITMD, ITMM, ITMO, ITMS, ITMT, MATH, or TECH courses		15
Mathematics Requirements		(20-23)
MATH 151	Calculus I	5
MATH 152	Calculus II	5
MATH 230 or CS 330	Introduction to Discrete Math Discrete Structures	3
MATH 251	Multivariate & Vector Calculus	4
MATH 474 or MATH 475 and MATH 476	Probability and Statistics Probability Statistics	3-6
Natural Science and Engineering Requirements		(10)
EG 225 and PHYS 200 are recommended		
See Illinois Tech Core Curriculum, section D		10
Humanities and Social Sciences Requirements		(21)
PSYC 301 is recommended		
See Illinois Tech Core Curriculum, sections B and C		21
Interprofessional Projects (IPRO)		(6)
See Illinois Tech Core Curriculum, section E		6
Free Electives		(3-6)
Select three to six credit hours		3-6
Total Credit Hours		130

Bachelor of Science in Information Technology

		Year 1	
Semester 1	Credit Hours	Semester 2	Credit Hours
ITM 301	3	ITM 311	3
ITMD 421	3	ITMO 440	3
MATH 151	5	MATH 152	5
Humanities 200-level Elective	3	Social Sciences Elective	3
		Natural Science or Engineering Elective	3
		14	17
		Year 2	
Semester 1	Credit Hours	Semester 2	Credit Hours
ITM 100	3	ITMD 362	3
ITMD 361	3	ITMD 411	3
CS 331	3	ITMO 456	3
MATH 251	4	ECE 218	4
Natural Science or Engineering Elective	4	MATH 230 or CS 330	3
		17	16
		Year 3	
Semester 1	Credit Hours	Semester 2	Credit Hours
ITMM 471	3	ITMM 485	3
ITMS 448	3	ITM Elective	3
CS 3XX/4XX elective or ECE 242	3	ITM Elective	3
Humanities Elective (300+)	3	MATH 474 or MATH 475	3
Social Sciences Elective (300+)	3	I PRO Elective I	3
Free Elective	3	Natural Science or Engineering Elective	3
		18	18
		Year 4	
Semester 1	Credit Hours	Semester 2	Credit Hours
ITM 497	3	ITMT 430	3
ITM Elective	3	ITM Elective	3
ITM Elective	3	I PRO Elective II	3
Humanities Elective (300+)	3	Social Sciences Elective (300+)	3
Free Elective or MATH 476	3	Humanities or Social Sciences Elective	3
		15	15

Total Credit Hours: 130