

# BACHELOR OF INFORMATION TECHNOLOGY

## Program Requirements

Transfer students are expected to take 66 credit hours at Illinois Institute of Technology and transfer 61 credit hours to complete the bachelor's degree for a total of 127 credit hours. This includes 16 information technology courses for a total of 48 credit hours in the major. An additional 18 credit hours outside the major must be taken at Illinois Institute of Technology in order to satisfy the remaining Core Curriculum requirements. These include four 300/400-level humanities and social or behavioral science electives and two IPRO courses. Two social or behavioral science electives must be from the same field and one must be from a different field; lower level social or behavioral science electives count towards this requirement. The computer science general education requirement may be satisfied by completion of ITM 311. Students who wish to complete their undergraduate studies in less than five semesters of full-time study at Illinois Institute of Technology are strongly urged to include at least nine credit hours of courses transferable as required or elective ITM courses among their free or technical electives.

All students must complete a minimum of 36 credit hours of courses with a significant written and oral communication component, identified with a (C) in the bulletin; 12 credit hours of (C)-coded courses must be taken in the major.

A maximum of nine credit hours of ITM graduate courses taken as an undergraduate may be applied to the Master of Information Technology and Management degree, and any graduate courses taken to fulfill undergraduate degree requirements may not also be applied to a graduate degree unless the student is enrolled in a co-terminal or accelerated master's degree program.

## Required Courses

Code	Title	Credit Hours
<b>Courses Transferred</b>		<b>(61)</b>
(or taken at Illinois Tech)		61
	Mathematics Requirements: Discrete Mathematics and Statistics	6
	Natural Science and Engineering Requirements: See Illinois Tech Core Curriculum, section D	10
	Lower-Level Humanities and Social Sciences Requirements:	
	See Illinois Tech Core Curriculum, section B and C	9
	Free or Technical Electives: 36 credit hours of approved courses.	36
<b>Humanities Electives</b>		<b>(6)</b>
	300/400-level courses	6
<b>Social Sciences Electives</b>		<b>(6)</b>
	300/400-level courses	6
	PSYC 301 is recommended	
<b>Interprofessional Projects</b>		<b>(6)</b>
	See Illinois Tech Core Curriculum, section E	6
<b>Cloud Computing Requirements</b>		<b>(48)</b>

ITM 301	Introduction to Contemporary Operating Systems and Hardware I	3
ITM 313	Introduction to Open Source Application Development	3
ITMD 321	Data Modeling and Applications	3
ITMD 361	Fundamentals of Web Development	3
ITMD 413	Open Source Programming	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
ITMO 444	Cloud Computing Technologies	3
ITMO 454	Operating System Virtualization	3
ITMO 463	Cloud: Software as a Service	3
ITMO 464	Cloud: Platform as a Service	3
ITMO 465	Cloud: Infrastructure as a Service	3
ITMS 448	Cyber Security Technologies	3
ITMS 464	Cloud Computing Security	3
ITMT 430	System Integration	3
<b>Total Credit Hours</b>		<b>127</b>

## Bachelor of Information Technology Curriculum

Semester 1		Credit Hours	Semester 2	Credit Hours
ITM 301	3	ITMD 321	3	
ITM 313	3	ITMD 413	3	
ITMD 361	3	ITMM 471	3	
ITMO 340	3	ITMO 444	3	
ITMO 356	3	ITMO 454	3	
Social Sciences Elective (300+)	3	Humanities Elective (300+)	3	
		<b>18</b>	<b>18</b>	
Semester 1		Credit Hours	Semester 2	Credit Hours
ITMO 463	3	ITMO 465	3	
ITMO 464	3	ITMS 464	3	
ITMS 448	3	ITMT 430	3	
Social Sciences Elective (300+)	3	Humanities Elective (300+)	3	

Year 1

Year 2

2 Bachelor of Information Technology

IPRO Elective	3	IPRO Elective	3
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	15		15

**Total Credit Hours: 66**