Courses to be completed at Chicago City Colleges leading to an Associate in Applied Science in Cybersecurity and at Illinois Institute of Technology leading to a Bachelor of Information Technology and Management with a Specialization in Systems Security

ourses to be completed at Chicago City Colleges

Title	Hours	*Illinois Institute of Technology Transfer*
lucation Coursework		
01 Composition	3	COM 101
nd Humanities	3	Select one course from Comparative Religion, Fine Arts, History, Humanities, Literature, or Philosophy (not PHIL 105)
Behavioral Sciences	3	Select one course from Anthropology, Economics (not ECON 133), Geography, Political Science, Psychology (not PSYCH 240), Social Sciences, or Sociology
	3	Select one course from Astronomy, Biology, Botany, Chemistry or Physics
	3	Select MATH 125 or MATH 146
	3	Free elective
	3	Free or technical elective

	Hours	
Required Work-Based Learning Courses		
CIS 260 Computer Information Systems Field Project or CIS 265 Computer Information Systems Internship	3	Free or technical elective
Program Electives		
Select a minimum of 9 credit hours of program electives	9	See program electives below
Total Hours	**60**	**60 hours transfer to Illinois Institute of Technology**

Program Electives for transfer to Illinois Tech Bachelor of Information Technology and Management

Code	Title	Hours	Illinois Institute of Technology Transfer
Course List			
CIS 142	C++ Object Oriented Programming I	3	ITM 312 Introduction to Systems Software Programming
(CIS 142	Python Object Oriented Programming I)	3	ITM 312 Intro to Open Source Application Development
CIS 144	Java Object Oriented Programming I	3	ITM 311 Introduction to Software Development
CIS 244	Java Object Oriented Programming II	3	ITMD 411 Intermediate Software Development
COMPSFI 205	Cyber Forensics	3	ITMS 438 Cyber Forensics

Students may transfer up to 68 hours taken at Chicago City Colleges to Illinois Institute of Technology. Additional suggested coursework could be a   second mathematics course and a four-credit-hour laboratory science course. **Courses to be completed at Illinois Institute of Technology.**

Code	Title	Hours	Notes
Core Curriculum Courses 3			
Humanities/Social Science lower-level course		3	

Humanitie4.3 (l)-5.9 (ab)2.6 (o)eTJETQl0efW n.72 5ab-1.7 (e)TJETQ34.92 377.4 220.44 16.2 re283.08 2754MCID 111 3DC 0./MCID 1184(m)20 bp

Select one course from

	ITMO 433	Enterprise Server
Admin	ITMO 441	Network Admin &

Courses to be completed at Chicagoto

Total for Basic Certificate in Cybersecurity 18 18 hours transfer to Illinois Institute of Technology

Courses to be completed at Chicago City Colleges

Completion of sufficient additional courses to earn the Advanced Certificate in Cybersecurity as well as an Associate of Arts degree - or- an Associates of Science degree from CCC is needed

Courses to be completed at Illinois Institute of Technology

Code Title Hours Notes
Core Curriculum Courses 43

Information Technology and Management Major Courses 36

Code Title Hours Notes	
Systems Security Specialization Electives 12	
Select one course from	
Select two courses from any ITMS electives	
Select one courses from any ITM elective	
Minor Electives 15	
Select minor electives	
Free Elective 3	
Select a free elective	
Total 109 **Total for Bachelor of Information Technology & Management 127**	

Courses to be completed at Chicago City Colleges leading to an Advanced Certificate in Cybersecurity and at Illinois Institute of Technology leading to a Bachelor of Information Technology and Management with a Specialization in Systems Security

Courses to be completed at Chicago City Colleges

Code Title	Hours	Illinois Institute of Technology Transfer
Advanced Certificate in Cybersecurity Required Program Core	**27**	
CIS 103 Fundamentals of Programming	3	Free elective
CIS 116 Operating System I	3	Free or technical elective
CIS 255 Operating Systems II	3	ITM 301 Intro to Contemporary Operating Sys & Hardware I
COMPSFI 101 Networking Essentials or NET TEC 121 Internetworking I	3	Free or technical elective
COMPSFI 102 Information Security Essentials	3	ITMS 478 Cyber Security Management
COMPSFI 202 Cybercrime and Incident Response	3	ITMS upper-level elective
COMPSFI 212 Scripting for Cybersecurity	3	ITMO 417 Shell Scripting401.16 (l)5 (l S)W nBTt!

MATH 146	Discrete Mathematics	3	Mathematics requirement
Fine Arts & Humanities		6	HUM 20X and two Core and/or free electives
Social and Behavioral Sciences		6	Core and/or free electives
Physical Sciences & Life Sciences		10	Natural Science or Engineering Core electives Two courses must be in the same subject area
Advanced Certificate in Cybersecurity applied as AA electives		**30**	
Total Courses transferred to Illinois Institute of Technology		**67**	

Courses to be completed at Illinois Institute of Technology

Code	Title	Hours	Notes
Core Curriculum Courses		**18**	
Humanities upper-level courses		6	
Social or Behavioral Science upper-level courses		6	
Inter-Professional Project (IPRO)		6	
Information Technology and Management Major Courses		**30**	
ITM 100	Intro to Info Technology as a Profession	3	
ITM 311	Introduction to Software Development	3	
or ITM 313	Intro to OpenSource Application Development		

Courses to be completed at Chicago City Colleges leading to an Advanced Certificate in Cybersecurity and at Illinois Institute of Technology leading to a Bachelor of Information Technology and Management with a Specialization in Systems Security

Courses to be completed at Chicago City Colleges

Code   *Title*

ITMO 356	Intro to Open Source Operating Systems	3
ITMS 448	Cyber Security Technologies	3
ITMT 430	System Integration	3
Systems Security Specialization Electives		**6**
Select one course from		
ITMO 433	Enterprise Server Admin	3
ITMO 441	Network Admin & Operations	3
ITMO 450	Enterprise End-User Sys Admin	3
ITMO 453	Open Source Server Admin	3
Select one course from any ITMS elective		3
Free or Minor Electives		**18**
Select free or minor electives		18
Total		**97**
Total for Bachelor of Information Technology & Management		**127**