SAMPLE 4-YEAR PLAN: COMPUTER INFORMATION TECHNOLOGY B.S.

Northern Kentucky University

This is an example of one way a student can complete this program in four years. Students may be required to complete additional prerequisite courses based on placement.

MAJOR: Computer Information Technology

TRACK/OPTION: Network and System Administration (scroll down to see plans for other tracks)

FIRST YEAR	Fall Semester		Spring Semester		
Get to know your fellow students	CIT 130 Information Technology		Gen Ed: Self and Society; Cultural		
by attending departmental social	Fundamentals	3	Pluralism	3	
events and student research talks.			Gen Ed: Self and Society; Individual		
Make sure you allow time in your	Gen Ed: Communication; Written I	3		3	
programming courses for experi-	Gen Ed: Culture and Creativity I	3	Gen Ed: Communication; Oral	3	
mentation and fun; that is the	Gen Ed: Scientific and				
best way to learn.	Quantitative Inquiry; Mathematics				
	and Statistics				
	STA 205 (or STA 250)	3	INF 282 Introduction to Databases	3	
	Gen Ed: Scientific and Quantitative				
	Inquiry; Natural Sciences without				
	lab; INF 120 Elementary		INF 284 Introduction to Computer		
	Programming	3	Networks	3	
	INF 100 Orientation to the College				
	of Informatics	1			
	TOTAL	16	TOTAL	15	
SECOND YEAR	Fall Semester		Spring Semester		
	CIT 247 Networking Fundamentals	3	· · ·	3	
Speak with your advisor and pro- fessors about possible co-op and		-	Gen Ed: Scientific and Quantitative	-	
research opportunities. Think	CIT 271 Windows Administration	3		4	
carefully as you choose a minor.			INF 286 Introduction to Web		
Try out for the cyber defense	CIT 285 Cybersecurity Fundamentals	3		3	
team.	Gen Ed: Communication; Written II	3		3	
leum.	Gen Ed: Self and Society; Individual		PHI 310 Ethics of Information		
	and Society II	3	Technology	3	
	TOTAL	15	TOTAL	16	
THIRD YEAR	Fall Semester		Spring Somostor		
	CIT 383 Scripting I	3	Spring Semester CIT elective 300 level or above	3	
Make a point to read professional		5		5	
IT publications such as Infor-	CIT 447 Network Design /			-	
mation Week, to stay abreast of	Troubleshooting	3		3	
new developments in the field.	ENG 347 Technical Writing	3		3	
Consider becoming a mentor to	Gen Ed: Culture and Creativity II	3	Minor or elective	3	
newer students.	Minor	3	Minor or elective 300 level or above	3	
	TOTAL	15	TOTAL	15	
FOURTH YEAR	Fall Semester		Spring Semester		
Attend programs run by the Ca-	CIT 470 Advanced Network and				
reer Development Center to get	System Administration	3	CIT 484 Network Security	3	
your resume in shape and polish	CIT elective 300 level or above	3	· · · · · · · · · · · · · · · · · · ·	3	
your interviewing skills.	Minor or elective	3		1	
,	Minor or elective 300 level or above	3	Minor or elective 300 level or above	3	
	Minor or elective 300 level or above	3	Minor or elective 300 level or above	3	
	TOTAL	15	TOTAL	13	
			GRAND TOTAL OF CREDITS	120	

Notes:

A secondary area of study (minor, second major, or focus area) is required for graduation.

A total of 45 credits of courses 300 level or above are required for graduation.

A total of 120 credits of courses are required for graduation.

Sample 4-Year Plan: Computer Information Technology B.S. – Web and Database Administration

Northern Kentucky University

This is an example of one way a student can complete this program in four years. Students may be required to complete additional prerequisite courses based on placement.

MAJOR: Computer Information Technology

TRACK/OPTION: Web and Database Administration

FIRST YEAR	Fall Semester		Spring Semester	
Get to know your fellow students	CIT 130 Information Technology		Gen Ed: Self and Society; Cultural	
by attending departmental social	Fundamentals	3	Pluralism	3
events and student research talks.			Gen Ed: Self and Society; Individual and	
Make sure you allow time in your	Gen Ed: Communication; Written I	3	Society	3
programming courses for experi-	Gen Ed: Culture and Creativity I	3	Gen Ed: Communication; Oral	3
mentation and fun; that is the	Gen Ed: Scientific and			
best way to learn.	Quantitative Inquiry; Mathematics			
	and Statistics			
	STA 205 (or STA 250)	3	INF 282 Introduction to Databases	3
	Gen Ed: Scientific and Quantitative			
	Inquiry; Natural Sciences without			
	lab; INF 120 Elementary		INF 284 Introduction to Computer	
	Programming	3	Networks	3
	INF 100 Orientation to the College			
	of Informatics	1		
	TOTAL	16	TOTAL	15
SECOND YEAR	Fall Semester		Spring Semester	
Speak with your advisor and pro-	CIT 271 Windows Administration	3	CIT 371 Unix Systems	3
fessors about possible co-op and			Gen Ed: Scientific and Quantitative	
research opportunities. Think	CIT 285 Cybersecurity Fundamentals	3	Inquiry; Natural Sciences with lab	4
carefully as you choose a minor.	CSC 260 Object-Oriented		Gen Ed: Self and Society; Individual and	
Try out for the cyber defense	Programming I	3	Society II	3
team.	CSC 260 Object-Oriented			
(com	Programming I Lab (recommended)	0-1	INF 286 Intro to Web Development	3
	Gen Ed: Communication; Written		PHI 310 Ethics in Information	
	Communication II	3	Technology	3
	Gen Ed: Global Viewpoints	3		
	TOTAL	15-16	TOTAL	16
THIRD YEAR	Fall Semester		Spring Semester	
Make a point to read professional	ASE 230 Server Side Programming	3	CIT 472 Database Administration	3
IT publications such as Infor-	CIT 383 Scripting I	3	Gen Ed: Culture and Creativity II	3
mation Week, to stay abreast of	ENG 347 Technical Writing	3	Minor or elective	3
new developments in the field.	Minor	3	Minor or elective 300 level or above	3
Consider becoming a mentor to	Minor or elective 300 level or above	3	Minor or elective 300 level or above	3
newer students.	TOTAL	15	TOTAL	15
FOURTH YEAR	Fall Semester		Spring Semester	
	CIT 483 Scripting II or CSC 360			
Attend programs run by Career Services to get your resume in	Object-Oriented Programming II	3	CIT 436 Web Server Administration	3
shape and polish your interview-			CIT elective, 300 level or above or ASE	
	Minor	3	456 Cross-Platform Development	3
ing skills.	Minor or elective		Free Elective	0-1
		5		3
	Minor or elective 300 level or above	2	Minor or elective 300 level or above	
	Minor or elective 300 level or above Minor or elective 300 level or above	3 3	Minor or elective 300 level or above	
	Minor or elective 300 level or above Minor or elective 300 level or above TOTAL	3 3 15	Minor or elective 300 level or above Minor or elective 300 level or above TOTAL	3 12-13

Notes:

This degree plan is for students who are admitted with ALEKS or ACT score placing the student in MAT 128. Students with a lower score will need to take additional mathematics if electing to take CSC 360.

A secondary area of study (minor, second major, or focus area) is required for graduation.

A total of 45 credits of 300-level or above courses are required for graduation.

A total of 120 credits of courses are required for graduation.

Sample 4-Year Plan: Computer Information Technology B.S. – Cybersecurity

Northern Kentucky University

This is an example of one way a student can complete this program in four years. Students may be required to complete additional prerequisite courses based on placement.

MAJOR: Computer Information Technology TRACK/OPTION: Cybersecurity

TRACKIOF TION: Cybersecurity				
FIRST YEAR	Fall Semester		Spring Semester	
Get to know your fellow students	CIT 130 Information Technology		Gen Ed: Self and Society; Cultural	
by attending departmental social	Fundamentals	3	Pluralism	3
events and student research talks.			Gen Ed: Self and Society; Individual and	
Make sure you allow time in your	Gen Ed: Communication; Written I	3	Society	3
programming courses for experi-	Gen Ed: Culture and Creativity I	3	Gen Ed: Communication; Oral	3
mentation and fun; that is the	Gen Ed: Scientific and			
best way to learn.	Quantitative Inquiry; Mathematics			
	and Statistics			
	STA 205 (or STA 250)	3	INF 282 Introduction to Databases	3
	Gen Ed: Scientific and Quantitative			
	Inquiry; Natural Sciences without			
	lab; INF 120 Elementary		INF 284 Introduction to Computer	
	Programming	3	Networks	3
	INF 100 Orientation to the College			
	of Informatics	1		
	TOTAL	16	TOTAL	15
SECOND YEAR	Fall Semester		Spring Semester	
Speak with your advisor and pro-	CIT 247 Networking Fundamentals	3	CIT 371 Unix Systems	3
fessors about possible co-op and			Gen Ed: Scientific and Quantitative	
research opportunities. Think	CIT 271 Windows Administration	3	Inquiry; Natural Sciences with lab	4
carefully as you choose a minor.			INF 286 Introduction to Web	
Try out for the cyber defense	CIT 285 Cybersecurity Fundamentals	3	Development	3
team.	Gen Ed: Communication; Written II	3	-	3
	Gen Ed: Self and Society; Individual		PHI 310 Ethics of Information	
	and Society II	3	Technology	3
	TOTAL	15	TOTAL	16
THIRD YEAR	Fall Semester		Spring Semester	
Make a point to read professional	CIT 383 Scripting I	3	CIT 430 Computer Forensics	3
IT publications such as Infor-	ENG 347 Technical Writing	3	CIT elective, 300 level or above	3
mation Week, to stay abreast of	Gen Ed: Culture and Creativity II	3	Gen Ed: Global Viewpoints	3
new developments in the field.	Minor or elective 300 level or above	3	Minor or elective 300 level or above	3
Consider becoming a mentor to	Minor or elective 300 level or above	3	Minor or elective 300 level or above	3
newer students.	TOTAL	15	TOTAL	15
FOURTH YEAR	Fall Semester		Spring Semester	
Attend programs run by Career	CIT 484 Network Security	3		3
Services to get your resume in	CIT elective, 300 level or above	3		3
	Minor		Free elective	1
shape and polish your interview- ing skills.	Minor or elective 300 level or above	3		3
ing skiis.	Minor or elective 300 level or above	3		3
	TOTAL	15	TOTAL	13
			GRAND TOTAL OF CREDITS	120

Notes:

A secondary area of study (minor, second major, or focus area) is required for graduation.

A total of 45 credits of 300-level or above courses are required for graduation.

A total of 120 credits of courses are required for graduation.

Any of BIS 382, CSC 482 and CSC 483 may count toward the CIT electives (300 level or above)

Sample 4-Year Plan: Computer Information Technology B.S. - Non-specialist

Northern Kentucky University

This is an example of one way a student can complete this program in four years. Students may be required to complete additional prerequisite courses based on placement.

MAJOR: Computer Information Technology TRACK/OPTION: Non-specialist

FIRST YEAR	Fall Semester		Spring Semester	
Get to know your fellow students	CIT 130 Information Technology		CSC 260 Object-Oriented Programming	
by attending departmental social	Fundamentals	3		
events and student research talks.			CSC 260L Object-Oriented	
Make sure you allow time in your	Gen Ed: Communication; Written I		Programming I Lab (recommended)	0-1
programming courses for experi-	Gen Ed: Culture and Creativity I	3	Gen Ed: Communication; Oral	3
mentation and fun; that is the	Gen Ed: Scientific and			
best way to learn.	Quantitative Inquiry; Mathematics			
	and Statistics		Gen Ed: Self and Society; Individual and	
	STA 205 (or STA 250)	3	Society I	
	Gen Ed: Scientific and Quantitative			
	Inquiry; Natural Sciences without			
	lab; INF 120 Elementary	2	INE 202 Introduction to Databases	-
	Programming	3	INF 282 Introduction to Databases	3
	INF 100 Orientation to the College	4	INF 284 Introduction to Computer	-
	of Informatics	1	Networks	3
			TOTAL	15-16
SECOND YEAR	Fall Semester		Spring Semester	
Speak with your advisor and pro-	CIT 271 Windows Administration	3	CIT 371 Unix Systems	3
fessors about possible co-op and	CIT 285 Cybersecurity Fundamentals	3	INF 286 Intro to Web Development	3
research opportunities. Think	Gen Ed: Communication; Written			
carefully as you choose a minor.	Communication II	3	CIT 383 Scripting I	3
Try out for the cyber defense	Gen Ed: Self and Society; Cultural		PHI 310 Ethics in Information	
team.	Pluralism	3	Technology	3
			Gen Ed: Scientific and Quantitative	
	Minor	3	Inquiry; Natural Sciences with lab	4
	TOTAL	15	ΤΟΤΑΙ	16
THIRD YEAR	Fall Semester		Spring Semester CIT 436 Web Server Administration or	
Make a point to read professional	CIT 492 Scripting II or CSC 260		CIT 436 Web Server Administration of CIT 438 Cloud Computing	
IT publications such as Infor-	CIT 483 Scripting II or CSC 360 Object-Oriented Programming II	3	or CIT 472 Database Administration	3
mation Week, to stay abreast of	ENG 347 Technical Writing		Gen Ed: Global Viewpoints	3
new developments in the field.	Gen Ed: Self and Society; Individual	5		5
Consider becoming a mentor to	and Society II	з	Minor or elective	3
newer students.	Minor		Minor or elective 300 level or above	3
	Minor or elective 300 level or above		Minor or elective 300 level or above	3
	TOTAL	15		15
		-		
FOURTH YEAR	Fall Semester		Spring Semester	
Attend programs run by Career	CIT 470 Advanced Network and			
Services to get your resume in	System Administration or CIT 485	2	CIT elective 200 level or above	2
shape and polish your interview- ing skills.	Advanced Cybersecurity		CIT elective, 300 level or above	3
	CIT elective, 300 level or above		Free elective	0-1
	Gen Ed: Culture and Creativity II		Minor or elective	3
	Minor or elective 300 level or above		Minor or elective 300 level or above Minor or elective 300 level or above	3
	Minor or elective 300 level or above	3		3
	TOTAL	15	TOTAL GRAND TOTAL OF CREDITS	<u>12-13</u> 120

This degree plan is for students who are admitted with ALEKS or ACT score placing the student in MAT 128. Students with a lower score will need to take additional mathematics if electing to take CSC 360.

A secondary area of study (minor, second major, or focus area) is required for graduation.

A total of 45 credits of 300-level or above courses are required for graduation.

A total of 120 credits of courses are required for graduation.

TABLE OF CONTENTS

INDEX

4

4-Year Plan Computer Information Technology B.S...... 1