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			
by attending departmental social	Fundamentals	3	CIT 171 Introduction to Linux	1
events and student research talks			Gen Ed: Self and Society; Cultural	
Make sure you allow time in your	Gen Ed: Communication; Written I	3	Pluralism	3
programming courses for experi-			Gen Ed: Self and Society; Individual	
mentation and fun: that is the	Gen Ed: Culture and Creativity I	3	and Society	3
best way to learn.	Gen Ed: Scientific and			
	Quantitative Inquiry; Mathematics			
	and Statistics			
	STA 205 (or STA 250)	3	Gen Ed: Communication; Oral	3
	Gen Ed: Scientific and Quantitative			
	Inquiry; Natural Sciences without			
	lab; INF 120 Elementary			
	Programming	3	INF 282 Introduction to Databases	3
	INF 100 Orientation to the College		INF 284 Introduction to Computer	
	of Informatics	1	Networks	3
	TOTAL	16	TOTAL	16
SECOND YEAR	Fall Semester		Spring Semester	
Speak with your advisor and pro	CIT 247 Networking Fundamentals	3	CIT 271 Windows Administration	3
fessors about possible co-on and	CIT 285 Cybersecurity Fundamentals	3	CIT 371 Unix Systems	3
research opportunities. Think	, , , , , , , , , , , , , , , , , , , ,		Gen Ed: Scientific and Quantitative	
carefully as you choose a minor	Gen Ed: Communication; Written II	3	Inquiry; Natural Sciences with lab	4
Try out for the cyber defense	Gen Ed: Self and Society; Individual			
team	and Society II	3	Minor	3
	INF 286 Introduction to Web		PHI 310 Ethics of Information	
	Development	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 elective 300 level or above	3
IT publications such as Infor-	CIT 447 Network Design /			
mation Week, to stay abreast of	Troubleshooting	3	Gen Ed: Global Viewpoints	3
new developments in the field.	ENG 347 Technical Writing	3	Minor or elective	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 aet	System Administration	3	CIT 484 Network Security	3
your resume in shape and polish	CIT elective 300 level or above	3	CIT elective 300 level or above	3
your interviewing skills.	Minor or elective	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
	Minor or elective 300 level or above	3		
	TOTAL	15	TOTAL	12
	·	-	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			
by attending departmental social	Fundamentals	3	CIT 171 Introduction to Linux	1
events and student research talks.			Gen Ed: Self and Society; Cultural	
Make sure you allow time in your	Gen Ed: Communication; Written I	3	Pluralism	3
programming courses for experi-			Gen Ed: Self and Society; Individual and	
mentation and fun; that is the	Gen Ed: Culture and Creativity I	3	Society	3
best way to learn.	Gen Ed: Scientific and			
	Quantitative Inquiry; Mathematics			
	and Statistics			
	STA 205 (or STA 250)	3	Gen Ed: Communication; Oral	3
	Gen Ed: Scientific and Quantitative			
	Inquiry; Natural Sciences without			
	lab; INF 120 Elementary			2
	Programming	3	INF 282 Introduction to Databases	3
	INF 100 Orientation to the College	1	Networks	2
	or informatics	10		3
	TOTAL	10	IOTAL	10
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	CII 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	0.4	INF 200 lates to Mich Development	2
	Programming I Lab (recommended)	0-1	INF 286 Intro to web Development	3
	Gen Ed: Communication; Written	2	Technology	2
	Communication II	3	Technology	3
		3 1E 16	TOTAL	16
	TOTAL	15-10	IUTAL	10
THIRD YEAR	Fall Semester		Spring Semester	
Make a point to read professional	ASE 230 Server Side Programming	3	CIT 4/2 Database Administration	3
IT publications such as Infor-		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.		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.	IUIAL	15	IUTAL	15
FOURTH YEAR	Fall Semester		Spring Semester	
Attend programs run by Career	CIT 483 Scripting II or CSC 360			
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	
ing skills.	Minor	3	456 Cross-Platform Development	3
	Minor or elective	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
	Minor or elective 300 level or above	3		
	TOTAL	15	TOTAL	12
			GRAND TOTAL OF CREDITS	120

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

FIRST YEAR	Fall Semester		Spring Semester	
Get to know your fellow students	CIT 130 Information Technology			
by attending departmental social	Fundamentals	3	CIT 171 Introduction to Linux	1
events and student research talks.			Gen Ed: Self and Society; Cultural	
Make sure you allow time in your	Gen Ed: Communication; Written I	3	Pluralism	3
programming courses for experi-			Gen Ed: Self and Society; Individual and	
mentation and fun; that is the	Gen Ed: Culture and Creativity I	3	Society	3
best way to learn.	Gen Ed: Scientific and			
	Quantitative Inquiry; Mathematics			
	and Statistics			
	STA 205 (or STA 250)	3	Gen Ed: Communication; Oral	3
	Gen Ed: Scientific and Quantitative			
	Inquiry; Natural Sciences without			
	lab; INF 120 Elementary			
	Programming	3	INF 282 Introduction to Databases	3
	INF 100 Orientation to the College		INF 284 Introduction to Computer	
	of Informatics	1	Networks	3
	TOTAL	16	TOTAL	16
SECOND YEAR	Fall Semester		Spring Semester	
Speak with your advisor and pro-	CIT 247 Networking Fundamentals	3	CIT 271 Windows Administration	3
fessors about possible co-op and	CIT 285 Cybersecurity Fundamentals	3	CIT 371 Unix Systems	3
research opportunities. Think			Gen Ed: Scientific and Quantitative	
carefully as you choose a minor.	Gen Ed: Communication; Written II	3	Inquiry; Natural Sciences with lab	4
Try out for the cyber defense	Gen Ed: Self and Society; Individual	-		
team.	and Society II	3	Minor	3
	INF 286 Introduction to Web		PHI 310 Ethics of Information	
	Development	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	CIT 485 Advanced Cybersecurity	3
Services to get your resume in	CIT elective, 300 level or above	3	CIT elective, 300 level or above	3
shape and polish vour interview-	Minor	3	Minor or elective 300 level or above	3
ing skills.	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	12
			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)

6 NORTHERN KENTUCKY UNIVERSITY

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			
by attending departmental social	Fundamentals	3	CIT 171 Introduction to Linux	1
events and student research talks	Gen Ed: Communication; Written I	3	Gen Ed: Communication; Oral	3
Make sure you allow time in your			Gen Ed: Communication; Written	
programming courses for experi-	Gen Ed: Culture and Creativity I	3	Communication II	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	3
	Gen Ed: Scientific and Quantitative			
	Inquiry; Natural Sciences without			
	lab; INF 120 Elementary			
	Programming	3	INF 282 Introduction to Databases	3
	INF 100 Orientation to the College		INF 284 Introduction to Computer	
	of Informatics	1	Networks	3
	TOTAL	16	TOTAL	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-on and	CIT 285 Cybersecurity Fundamentals	3	INF 286 Intro to Web Development	3
research opportunities Think	CSC 260 Object-Oriented			
carefully as you choose a minor.	Programming I	3	CIT 383 Scripting I	3
Try out for the cyber defense	CSC 260L Object-Oriented		PHI 310 Ethics in Information	
team.	Programming I Lab (<i>recommended</i>)	0-1	Technology	3
	Gen Ed: Self and Society; Cultural		Gen Ed: Scientific and Quantitative	
	Pluralism	3	Inquiry; Natural Sciences with lab	4
	Minor	3		
	TOTAL	15-16	TOTAL	16
THIRD YEAR	Fall Semester		Spring Semester	
Make a point to read professional			CIT 436 Web Server Administration or	
IT publications such as Infor-	CIT 483 Scripting II or CSC 360		CIT 438 Cloud Computing	
mation Week, to stay abreast of	Object-Oriented Programming II	3	or CIT 472 Database Administration	3
new developments in the field.	ENG 347 Technical Writing	3	Gen Ed: Global Viewpoints	3
Consider becomina a mentor to	Gen Ed: Self and Society; Individual			
newer students.	and Society II	3	Minor or elective	3
	Minor	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	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			
shape and polish your interview-	Advanced Cybersecurity	3	CIT elective, 300 level or above	3
ing skills.	CIT elective, 300 level or above	3	Minor or elective	3
5	Gen Ed: Culture and Creativity II	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
	Minor or elective 300 level or above	3		
	TOTAL	15	TOTAL	12
			GRAND TOTAL OF CREDITS	120
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.

TABLE OF CONTENTS

INDEX

4