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 by attending departmental social events and student research talks. Make sure you allow time in your programming courses for experimentation and fun; that is the best way to learn.	CIT 130 Information Technology Fundamentals	3	Gen Ed: Self and Society; Cultural Pluralism	3
	Gen Ed: Communication; Written I	3	Gen Ed: Self and Society; Individual and Society	3
	Gen Ed: Culture and Creativity I	3	Gen Ed: Communication; Oral	3
	Gen Ed: Scientific and 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 Programming	3	INF 284 Introduction to Computer 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 professors about possible co-op and research opportunities. Think carefully as you choose a minor. Try out for the cyber defense team.	CIT 247 Networking Fundamentals	3	CIT 371 Unix Systems	3
	CIT 271 Windows Administration	3	Gen Ed: Scientific and Quantitative Inquiry; Natural Sciences with lab	4
	CIT 285 Cybersecurity Fundamentals	3	INF 286 Introduction to Web Development	3
	Gen Ed: Communication; Written II	3	Minor	3
	Gen Ed: Self and Society; Individual and Society II	3	PHI 310 Ethics of Information Technology	3
	TOTAL	**15**	**TOTAL**	**16**
THIRD YEAR	Fall Semester		Spring Semester	
Make a point to read professional IT publications such as Information Week, to stay abreast of new developments in the field. Consider becoming a mentor to newer students.	CIT 383 Scripting I	3	CIT elective 300 level or above	3
	CIT 447 Network Design / Troubleshooting	3	Gen Ed: Global Viewpoints	3
	ENG 347 Technical Writing	3	Minor or elective	3
	Gen Ed: Culture and Creativity II	3	Minor or elective	3
	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 Career Development Center to get your resume in shape and polish your interviewing skills.	CIT 470 Advanced Network and System Administration	3	CIT 484 Network Security	3
	CIT elective 300 level or above	3	CIT elective 300 level or above	3
	Minor or elective	3	Free Elective	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 pre-requisite 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 by attending departmental social events and student research talks. Make sure you allow time in your programming courses for experimentation and fun; that is the best way to learn.	CIT 130 Information Technology Fundamentals	3	Gen Ed: Self and Society; Cultural Pluralism	3
			Gen Ed: Self and Society; Individual and Society	3
	Gen Ed: Communication; Written I	3		
	Gen Ed: Culture and Creativity I	3	Gen Ed: Communication; Oral	3
	Gen Ed: Scientific and 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 Programming	3	INF 284 Introduction to Computer 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 professors about possible co-op and research opportunities. Think carefully as you choose a minor. Try out for the cyber defense team.	CIT 271 Windows Administration	3	CIT 371 Unix Systems	3
	CIT 285 Cybersecurity Fundamentals	3	Gen Ed: Scientific and Quantitative Inquiry; Natural Sciences with lab	4
	CSC 260 Object-Oriented Programming I	3	Gen Ed: Self and Society; Individual and Society II	3
	CSC 260 Object-Oriented Programming I Lab (*recommended*)	0-1	INF 286 Intro to Web Development	3
	Gen Ed: Communication; Written Communication II	3	PHI 310 Ethics in Information Technology	3
	Gen Ed: Global Viewpoints	3		
	TOTAL	**15-16**	**TOTAL**	**16**

THIRD YEAR	Fall Semester		Spring Semester	
Make a point to read professional IT publications such as Information Week, to stay abreast of new developments in the field. Consider becoming a mentor to newer students.	ASE 230 Server Side Programming	3	CIT 472 Database Administration	3
	CIT 383 Scripting I	3	Gen Ed: Culture and Creativity II	3
	ENG 347 Technical Writing	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 Services to get your resume in shape and polish your interviewing skills.	CIT 483 Scripting II or CSC 360 Object-Oriented Programming II	3	CIT 436 Web Server Administration	3
	Minor	3	CIT elective, 300 level or above or ASE 456 Cross-Platform Development	3
	Minor or elective	3	Free Elective	0-1
	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**	**12-13**
			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 pre-requisite courses based on placement.

MAJOR: Computer Information Technology
TRACK/OPTION: Cybersecurity

FIRST YEAR	Fall Semester		Spring Semester	
Get to know your fellow students by attending departmental social events and student research talks. Make sure you allow time in your programming courses for experimentation and fun; that is the best way to learn.	CIT 130 Information Technology Fundamentals	3	Gen Ed: Self and Society; Cultural Pluralism	3
			Gen Ed: Self and Society; Individual and Society	3
	Gen Ed: Communication; Written I	3	Gen Ed: Communication; Oral	3
	Gen Ed: Culture and Creativity I	3		
	Gen Ed: Scientific and 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 Programming	3	INF 284 Introduction to Computer 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 professors about possible co-op and research opportunities. Think carefully as you choose a minor. Try out for the cyber defense team.	CIT 247 Networking Fundamentals	3	CIT 371 Unix Systems	3
	CIT 271 Windows Administration	3	Gen Ed: Scientific and Quantitative Inquiry; Natural Sciences with lab	4
	CIT 285 Cybersecurity Fundamentals	3	INF 286 Introduction to Web Development	3
	Gen Ed: Communication; Written II	3	Minor	3
	Gen Ed: Self and Society; Individual and Society II	3	PHI 310 Ethics of Information Technology	3
	TOTAL	**15**	**TOTAL**	**16**
THIRD YEAR	Fall Semester		Spring Semester	
Make a point to read professional IT publications such as Information Week, to stay abreast of new developments in the field. Consider becoming a mentor to newer students.	CIT 383 Scripting I	3	CIT 430 Computer Forensics	3
	ENG 347 Technical Writing	3	CIT elective, 300 level or above	3
	Gen Ed: Culture and Creativity II	3	Gen Ed: Global Viewpoints	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**	**15**
FOURTH YEAR	Fall Semester		Spring Semester	
Attend programs run by Career Services to get your resume in shape and polish your interviewing skills.	CIT 484 Network Security	3	CIT 485 Advanced Cybersecurity	3
	CIT elective, 300 level or above	3	CIT elective, 300 level or above	3
	Minor	3	Free elective	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 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 pre-requisite courses based on placement.

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

FIRST YEAR	Fall Semester		Spring Semester	
Get to know your fellow students by attending departmental social events and student research talks. Make sure you allow time in your programming courses for experimentation and fun; that is the best way to learn.	CIT 130 Information Technology Fundamentals	3	CSC 260 Object-Oriented Programming I	3
	Gen Ed: Communication; Written I	3	CSC 260L Object-Oriented Programming I Lab (*recommended*)	0-1
	Gen Ed: Culture and Creativity I	3	Gen Ed: Communication; Oral	3
	Gen Ed: Scientific and Quantitative Inquiry; Mathematics and Statistics STA 205 (or STA 250)	3	Gen Ed: Self and Society; Individual and 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 of Informatics	1	INF 284 Introduction to Computer Networks	3
			TOTAL	**15-16**
SECOND YEAR	**Fall Semester**		**Spring Semester**	
Speak with your advisor and professors about possible co-op and research opportunities. Think carefully as you choose a minor. Try out for the cyber defense team.	CIT 271 Windows Administration	3	CIT 371 Unix Systems	3
	CIT 285 Cybersecurity Fundamentals	3	INF 286 Intro to Web Development	3
	Gen Ed: Communication; Written Communication II	3	CIT 383 Scripting I	3
	Gen Ed: Self and Society; Cultural Pluralism	3	PHI 310 Ethics in Information Technology	3
	Minor	3	Gen Ed: Scientific and Quantitative Inquiry; Natural Sciences with lab	4
	TOTAL	**15**	**TOTAL**	**16**
THIRD YEAR	**Fall Semester**		**Spring Semester**	
Make a point to read professional IT publications such as Information Week, to stay abreast of new developments in the field. Consider becoming a mentor to newer students.	CIT 483 Scripting II or CSC 360 Object-Oriented Programming II	3	CIT 436 Web Server Administration or CIT 438 Cloud Computing or CIT 472 Database Administration	3
	ENG 347 Technical Writing	3	Gen Ed: Global Viewpoints	3
	Gen Ed: Self and Society; Individual 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 Services to get your resume in shape and polish your interviewing skills.	CIT 470 Advanced Network and System Administration or CIT 485 Advanced Cybersecurity	3	CIT elective, 300 level or above	3
	CIT elective, 300 level or above	3	Free elective	0-1
	Gen Ed: Culture and Creativity II	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**	**12-13**
			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.

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