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

Northern Kentucky University

This is an example of how a student can complete this program in four years if the student requires no remedial courses.

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.	Gen Ed: Scientific and Quantitative Inquiry; Mathematics and Statistics STA 205 (or 250)	3	CIT 247 Networking Fundamentals	3
	CIT 130 Information Technology Fundamentals	3	Gen Ed: Self and Society; Individual and Society	3
	Gen Ed: Communication; Written I	3	Gen Ed: Communication; Oral	3
	Gen Ed: Scientific and Quantitative Inquiry; Natural Sciences without lab; INF 120 Elementary Programming	3	Gen Ed: Self and Society; Cultural Pluralism	3
	Gen Ed: Culture and Creativity I	3	CIT 285 Cybersecurity Fundamentals	3
	TOTAL	**15**	**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
	INF 282 Introduction to Databases	3	INF 286 Introduction to Web Development	3
	Gen Ed: Communication; Written II	3	PHI 310 Ethics of Information Technology	3
	Gen Ed: Self and Society; Individual and Society II	3	Minor or elective	3
	Gen Ed: Global Viewpoints	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 383 Scripting I	3	Minor or elective	3
	CIT 447 Network Design/ Troubleshooting	3	CIT 485 Advanced Cybersecurity (*recommended*) or CIT elective 300 level or above	3
	Gen Ed: Culture and Creativity II	3	Minor or elective	3
	Minor or elective	3	Minor or elective	3
	ENG 347 Technical Writing	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	2
	Minor or elective	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**	**14**
			GRAND TOTAL OF CREDITS	**120**

Notes:

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

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.	Gen Ed: Scientific and Quantitative Inquiry; Mathematics and Statistics STA 205 (or 250)	3	CIT 247 Networking Fundamentals	3
	CIT 130 Information Technology Fundamentals	3	Gen Ed: Self and Society; Individual and Society I	3
	Gen Ed: Communication; Written Communication I	3	Gen Ed: Communication; Oral	3
	Gen Ed: Scientific and Quantitative Inquiry; Natural Sciences without lab; INF 120 Elementary Programming	3	Gen Ed: Self and Society; Cultural Pluralism	3
	Gen Ed: Culture and Creativity I	3	CIT 285 Cybersecurity Fundamentals	3
	TOTAL	**15**	**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
	INF 282 Introduction to Databases	3	INF 286 Intro to Web Development	3
	Gen Ed: Communication; Written Communication II	3	PHI 310 Ethics in Information Technology	3
	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	Gen Ed: Scientific and Quantitative Inquiry; Natural Sciences with lab	4
	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.	CIT 383 Scripting I	3	CIT 483 Scripting II or CSC 360 Object-Oriented Programming	3
	Gen Ed: Culture and Creativity II	3	CSC 301 Web Programming	3
	ENG 347 Technical Writing	3	Minor or elective	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
	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 472 Database Administration	3	CIT 436 Web Server Administration	3
	CIT 485 Advanced Cybersecurity (*recommended*) or Minor or elective 300 level or above	3	CIT elective, 300 level or above or CSC 456 Advanced Web Application Development	3
	Minor or elective	3	Minor or elective	1-2
	Minor or elective	3	Minor or elective	3
	Minor or elective 300 level or above	3	Minor or elective 300 level or above	3
	TOTAL	**15**	**TOTAL**	**13-14**
			GRAND TOTAL OF CREDITS	**120**

Notes:

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

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.	Gen Ed: Scientific and Quantitative Inquiry; Mathematics and Statistics STA 205 (or 250)	3	CIT 247 Networking Fundamentals	3
	CIT 130 Information Technology Fundamentals	3	Gen Ed: Self and Society; Individual and Society I	3
	Gen Ed: Communication; Written Communication I	3	Gen Ed: Communication; Oral	3
	Gen Ed: Scientific and Quantitative Inquiry; Natural Sciences without lab; INF 120 Elementary Programming	3	Gen Ed: Self and Society; Cultural Pluralism	3
	Gen Ed: Culture and Creativity I	3	CIT 285 Cybersecurity Fundamentals	3
	TOTAL	15	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
	INF 282 Introduction to Databases	3	INF 286 Intro to Web Development	3
	Gen Ed: Communication; Written Communication II	3	PHI 310 Ethics in Information Technology	3
	Gen Ed: Self and Society; Individual and Society II	3	Minor or elective	3
	Gen Ed: Global Viewpoints	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.	Minor or elective	3	CIT 430 Computer Forensics	3
	CIT 383 Scripting I	3	CIT elective, 300 level or above	3
	Gen Ed: Culture and Creativity II	3	Minor or elective	3
	ENG 347 Technical Writing	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 or elective	3	Minor or elective	2
	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	3
	TOTAL	15	TOTAL	14
			GRAND TOTAL OF CREDITS	120

Notes:

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

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.	Gen Ed: Scientific and Quantitative Inquiry; Mathematics and Statistics STA 205 (or 250)	3	CIT 247 Networking Fundamentals	3
	CIT 130 Information Technology Fundamentals	3	Gen Ed: Self and Society; Individual and Society I	3
	Gen Ed: Communication; Written Communication I	3	Gen Ed: Communication; Oral	3
	Gen Ed: Scientific and Quantitative Inquiry; Natural Sciences without lab; INF 120 Elementary Programming	3	CSC 260 Object-Oriented Programming I	3
	Gen Ed: Culture and Creativity I	3	CSC 260L Object-Oriented Programming I Lab (*recommended*)	0-1
			CIT 285 Cybersecurity Fundamentals	3
	TOTAL	**15**	**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
	INF 282 Introduction to Databases	3	INF 286 Intro to Web Development	3
	Gen Ed: Self and Society; Cultural Pluralism	3	CIT 383 Scripting I	3
	Gen Ed: Communication; Written Communication II	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
	Gen Ed: Self and Society; Individual and Society II	3	Gen Ed: Global Viewpoints	3
	ENG 347 Technical Writing	3	Minor or elective	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
	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 elective, 300 level or above	3	Free Elective	3
	Minor or Elective	3	CIT 470 Advanced Network and System Administration or CIT 485 Advanced Cybersecurity	3
	Gen Ed: Culture and Creativity II	3	CIT elective, 300 level or above	3
	Minor or elective 300 level or above	3	Minor or elective	3
	Minor or elective 300 level or above	3	Minor or elective 300 level or above	3
	TOTAL	**15**	**TOTAL**	**15**
			GRAND TOTAL OF CREDITS	**120**

Notes:

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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