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SAMPLE 4-YEAR PLAN: COMPUTER SCIENCE 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 pre-requisite courses based on placement.

MAJOR: Computer Science

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. *INF 120 is recommended but not required to fulfill this Gen Ed. Students who test out of this course can take a different science course.	Gen Ed: Communication; Written I	3	CSC 260 Object-Oriented Programming I	3
	Gen Ed: Culture and Creativity I	3	CSC 260L Object-Oriented Programming Lab (*recommended*)	0-1
	Gen Ed: Scientific and Quantitative Inquiry; Mathematics and Statistics MAT 128 Calculus A	3	Gen Ed: Communication; Oral	3
	Gen Ed: Scientific and Quantitative Inquiry; Natural Sciences without lab INF 120 Elementary Programming*	3	Gen Ed: Cultural Pluralism	3
	Gen Ed: Self and Society; Individual and Society I	3	INF 286 Intro to Web Development	3
	INF 100 Orientation to the College of Informatics	1	MAT 227 Calculus B	3
	TOTAL	**16**	**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 programming team.	CSC 360 Object Oriented Programming II	3	CSC 350 Database Programming	3
	Gen Ed: Communication; Written II	3	CSC 364 Data Structures and Algorithms	3
	Gen Ed: Culture and Creativity II	3	Gen Ed: Self and Society; Individual and Society II	3
	INF 284 Introduction to Networks and Data Communication	3	MAT 385 Discrete Mathematics	3
	MAT 228 Calculus C	3	Minor	3
	TOTAL	**15**	**TOTAL**	**15**
THIRD YEAR	**Fall Semester**		**Spring Semester**	
Make a point to read professional publications like the Communications of the ACM, to stay abreast of new developments in the field. Consider becoming a mentor to newer students.	CSC 362 Computer Systems	3	CSC 402 Advanced Programming Methods	3
	CSC 485 Theory of Computation	3	CSC 460 Operating Systems	3
	Gen Ed: Scientific and Quantitative Inquiry; Natural Sciences with lab	4	CSC elective 300 level or above	3
	Minor or elective	3	Minor or elective	3
	STA 250 Probability and Statistics I	3	Minor or elective	3
	TOTAL	**16**	**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.	CSC 439 Software Testing and Maintenance	3	CSC 440 Software Engineering	3
	CSC elective 400 level	3	CSC 491 Comprehensive Exam	0
	Gen Ed: Global Viewpoints	3	CSC elective 400 level	3
	Minor or elective	3	Free Elective	0-1
	Minor or elective	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.

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

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

A total of 120 credits is required for graduation.

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