

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 if the student requires no remedial courses.

MAJOR: Computer Science

FIRST YEAR	Fall Semester		Spring Semester	
	<p><i>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.</i></p>	MAT 119 Pre-Calculus Mathematics	3	Gen Ed: Scientific and Quantitative Inquiry; Mathematics and Statistics
Gen Ed: Scientific and Quantitative Inquiry; Natural Sciences without lab				
INF 120 Elementary Programming		3	CSC 260 Object-Oriented Programming I	3
Gen Ed: Communication; Written I		3	Gen Ed: Communication; Oral	3
INF 282 Introduction to Databases		3	Gen Ed: Cultural Pluralism	3
Gen Ed: Culture and Creativity I		3	Gen Ed: Culture and Creativity II	3
TOTAL		15	TOTAL	15
SECOND YEAR	Fall Semester		Spring Semester	
<p><i>Speak with your advisor and professors about possible co-op and re-research opportunities. Think carefully as you choose a minor. Try out for the programming team.</i></p>	CSC 360 Object Oriented Programming II	3	CSC 364 Data Structures and Algorithms	3
	INF 284 Introduction to Networks and Data Communication	3	INF 286 Intro to Web Development	3
	MAT 227 Calculus B	3	MAT 228 Calculus C	3
	Gen Ed: Communication; Written II	3	Gen Ed: Self and Society; Individual and Society I	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	
<p><i>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.</i></p>	CSC 362 Computer Systems	3	CSC 402 Advanced Programming Methods	3
	STA 250 Probability and Statistics I	3	MAT 385 Discrete Mathematics	3
	Gen Ed: Self and Society; Individual and Society II	3	CSC 460 Operating Systems	3
	Minor	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	
<p><i>Attend programs run by Career Services to get your resume in shape and polish your interviewing skills.</i></p>	CSC 439 Software Testing and Maintenance	3	CSC 440 Software Engineering	3
	CSC 485 Theory of Computation	3	CSC elective 400 level	3
	CSC elective 300 level or above	3	CSC elective 400 level	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
			GRAND TOTAL OF CREDITS	121
<p><i>Notes:</i></p> <p><i>This degree plan is for students who are admitted with a mathematics ACTE of 23. Students with a lower score will need to take additional mathematics; students with a higher score may be able to bypass MAT 119 and go directly into calculus.</i></p> <p><i>A total of 45 credits in 300-level or above courses is required for graduation.</i></p>				