BACHELOR of SCIENCE in COMPUTER SCIENCE (#629)
Systems/Scientific Applications Option
Department of Computer Science
Ogden College of Science and Engineering
Western Kentucky University

The suggested program of study shown below should be used in consultation with your advisor(s). Every student will finish with a unique plan of his/her own depending on the electives selected.

Success Markers

SAMPLE - 4 year plan

FIRST YEAR

Fall Semester		Spring Semester	
CS 180 – Computer Science I	4	CS 181 – Computer Science II	4
HIST 119 – Western Civ to 1648 **OR** HIST 120 – Western Civ Since 1648	3	MATH 136 – Calculus I	4
PHIL 215 – Elementary Logic	3	General Education Course A-III	3
ENG 100 – College Writing	3	General Education Course A-II	3
General Education F	1	General Education Course F	1
TOTAL CREDIT HOURS	**14**	**TOTAL CREDIT HOURS**	**15**

SECOND YEAR

Volunteer or Join a Student Organization like Green Toppers

Fall Semester		Spring Semester	
CS 360 – Software Engineering I	3	CS 251 – Introduction to Database Systems	3
CS 280 – Computer Science III	3	STAT 301 – Introductory Probability and Applied Statistics	3
CS Elective[1]	3	CS 325 – Computer Organization and Architecture	3
General Education Course D-IL[3]	4	General Education Course D-IL[3]	4
Free Elective	2	MATH 117 – Trigonometry	3
TOTAL CREDIT HOURS	**15**	**TOTAL CREDIT HOURS**	**16**

SUMMER TERM

Summer Term	
TOTAL CREDIT HOURS	

WINTER TERM

Winter Term	
TOTAL CREDIT HOURS	

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THIRD YEAR	Fall Semester		Spring Semester	
Visit Career Services	General Education Course E	3	Science Elective[4]	3
	CS 396 – Intermediate Software Project	3	Math Elective[2]	3
	Math Elective[2]	3	CS 382 – Programming Languages	3
	CS Elective[1]	3	General Education Course B-I	3
	General Education Course B-II	3	General Education Course C	3
	TOTAL CREDIT HOURS	**15**	**TOTAL CREDIT HOURS**	**15**

FOURTH YEAR	Fall Semester		Spring Semester	
Apply for Graduation	CS Elective[1]	3	CS Elective[1]	3
	CS 425 – Operating Systems	3	Math/Science Elective[4]	3
	CS 380 – Data Structures and Algorithm Analysis	3	ENG 300 – Writing in the Discipline	3
	General Education Course C	3	CS 496 – Senior Project and Professional Practice	3
	Free Elective	3	Free Elective	3
Celebrate	**TOTAL CREDIT HOURS**	**15**	**TOTAL CREDIT HOURS**	**15**
			Total Credit Hours:120	

* Denotes prerequisite courses before admission

All CS courses must be completed with a grade of 'C' or better

1 – CS electives chosen from CS 370, 381, 443, 445, 446, 450, and 456

2 – Math electives chosen from MATH 127, 137, 305, 307, 331, 405, 406, 470, and 473

3 - Lab Science will satisfy General Education D1, must be a 2 semester sequence designed for science or engineering majors

4 – Math/Science elective may be Math chosen from list in (2) above, or additional science class for science or engineering majors.

PLEASE NOTE: *Prerequisites, Course Numbers, and Course Titles are subject to change.*

Consult your advisor each semester.

For more Information:

Department: Computer Science

Website: www.wku.edu/cs

Phone: 270-745-4642

Email: cs@wku.edu

Course Descriptions: http://www.wku.edu/undergraduatecatalog/

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