



BACHELOR of SCIENCE in COMPUTER SCIENCE – SYSTEMS/SCIENTIFIC APPLICATIONS CONCENTRATION (#629)
 School of Engineering and Applied Sciences
 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.

SAMPLE – Finish in Four Plan

FIRST YEAR			
Fall Semester		Spring Semester	
CS180: Computer Science 1	4	CS221: Computer Science II	4
World History (F-SB)	3	MATH136: Calculus I (F-QR)	4
ENG100: Freshman English (F-W1)	3	COMM 145: Public Speaking (F-OC)	3
World Language (if needed) or general elective	3	Arts & Humanities Elective (E-AH)	3
Free Elective	3		
TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	14

SECOND YEAR			
Fall Semester		Spring Semester	
CS 360: Software Engineering	3	CS351: Intro to Database Systems	3
CS 339: Computer Science III	3	Math Elective	3
Literary Studies (F-AH)	3	CS325: Computer Organization and Architecture	3
Natural and Physical Science & Lab (E-NS, LS)	4	ENG307: Technical Writing	3
		Natural and Physical Science & Lab	4
TOTAL CREDIT HOURS	13	TOTAL CREDIT HOURS	16

THIRD YEAR			
Fall Semester		Spring Semester	
STAT301: Prob/Applied Stats	3	CS382: Programming Languages	3
CS396: Intermediate Software Project	3	Natural and Physical Science (E-NS)	3
CS Elective (CS 443 or CS 456)	3	CS elective (CS 372 CS 381 or CS 446)	3
Math Elective	3	General Elective	3
ENG300: Writing in the Disciplines (F-W2)	3	Social & Behavioral Sciences (E-SB)	3
TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	15

FOURTH YEAR			
Fall Semester		Spring Semester	
CS425: Operating Systems I	3	CS496: CS Project and Professional Practice	3
CS elective (CS 443, CS 450, or CS 456)	3	CS elective (CS 445 or CS 446)	3
Connections Systems (K-SY)	3	Math/Science Elective	3
CS421: Data Structures and Algorithm Analysis	3	Connections Local to Global (K-LG)	3
General Elective	3	Connections Social & Cultural (K-SC)	3
TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15

Total Credit Hours: 120

For more details and courses offered in the Colonnade General Education program visit the [website](#).

World Language Requirement: Language Proficiency of novice-high before completing 60 credit hours is required (or completion of 2nd level of a language). Two credits (or equivalent) of a single world language in High School satisfies this WKU requirement.

For more Information:

School of Engineering & Applied Sciences

Website: www.wku.edu/seas

Phone: 270-745-3251

Email: seas@wku.edu

Course Descriptions: <http://www.wku.edu/undergraduatedatalog/>