



BACHELOR of SCIENCE in COMPUTER SCIENCE – General OPTION (#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. To be admitted to the computer science major, students must complete CS 180, CS 290, and CS 331 with grades of C or better. In addition, all CS courses counting toward the CS program major must be completed with a grade of “C” or better. Computer Science electives may include from 0-3 hours of 200-level courses. Students must adhere to all University Policies as indicated in the WKU catalog section “Academic Information.”

SAMPLE – Finish in Four Plan

FIRST YEAR			
Fall Semester		Spring Semester	
CS180: Computer Science 1	4	CS290: Computer Science II	4
Arts & Humanities Elective (E-AH)	3	MATH136: Calculus I (F-QR)	4
ENG100: Freshman English (F-W1)	3	COMM 145: Public Speaking (F-OC)	3
Natural and Physical Science & Lab (E-NS, LS)	4	Free Elective	3
Free Elective	2		
TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	14

SECOND YEAR			
Fall Semester		Spring Semester	
CS 331 Data Structures	3	CS351: Intro to Database Systems	3
ENG307: Technical Writing	3	World History (F-SB)	3
Literary Studies (F-AH)	3	CS325: Computer Organization and Architecture	3
CS 2xx Elective	3	Free Elective	3
STAT301: Prob/Applied Stats	3	CS 339: Discrete Structures	3
TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15

THIRD YEAR			
Fall Semester		Spring Semester	
Natural and Physical Science (E-NS)	3	CS382: Programming Languages	3
CS396: Intermediate Software Project	3	CS 3xx Elective	3
CS 360: Software Engineering	3	Social & Behavioral Sciences (E-SB)	3
CS 3xx Elective	3	Free Elective	3
ENG300: Writing in the Disciplines (F-W2)	3	World Language (if needed) or general elective	3
TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15

FOURTH YEAR			
Fall Semester		Spring Semester	
CS425: Operating Systems I	3	CS496: CS Project and Professional Practice	3
Free Elective	3	CS 4xx Elective	3
Connections Systems (K-SY)	3	Free Elective	3
CS421: Data Structures and Algorithm Analysis	3	Connections Local to Global (K-LG)	3
Connections Social & Cultural (K-SC)	3	Free Elective	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/undergraduatecatalog/>