

Computer Science, BSCS (2nd Degree)

Graduation Planning Strategy (GPS) 2021-2022

Name & UID: _____



**COMPUTER SCIENCE
AND ENGINEERING**

Program Total: 67

To be able to follow this schedule you must have completed the following:

CS1180/L Computer Science I or equivalent course with minimum grade of C

WSU Core courses

MTH2300 Calculus I and MTH2310 Calculus II

2 Science courses for engineers or science majors

Additional math courses may be necessary if you do not meet the prerequisite requirements for MTH2570 or CS 2200

Part time variations of this program may be followed as long as you meet the course prerequisites

Year One

* Minimum grade of C required

	Course		Cr	Sem	Grd	Course Name	Prerequisites	Fa	Sp	Su
Fall	CEG2350/L		4			Operating System Concepts and Usage	CS1160 or CS1180 or CEG2170	D	D	
	CS1181/L*	IW	4			Computer Science II	CS1180* and (MTH1280 or MPL40)	D	DE	D
	CS2200/L* OR		4			Discrete Structures & their Algorithms	CS1200* or WMPL40	D	D	
	MTH2570*					Discrete Mathematics for Computing	MTH 1280 or MPL40	D		
Spring			3			3000 - level CS/CEG Technical Elective				
	EGR3350 OR		3			Technical Communications for Egr & CS	ENG1100 or ENG1110 or ENG1130 or ENG1140	D	D	DE
	ENG2140					Research, Tech Writing & Presentation for Sci & Egr	ENG1100* or ENG1110* or ENG 1130* or ENG1140* (cannot take if have credit for ENG2100)			
	CEG3310/L*		4			Computer Organization	CS1181* or (CEG2170* and (CEG3320 or EE2000()))	D	D	D
	MTH2530		3			Elementary Linear Algebra	MTH2300	D	D	D
	CS3200 OR	FM	3			Theoretical Foundations of Computing	CS3100*	D		
CS2210	FM				Logic for Computer Scientists	MTH2570 or CS2200	D	D		
Summer			3			3000 - CS/CEG Technical Elective				
	CS3100*		3			Data Structures & Algorithms	CS1181* and CEG3310* and (MTH2570 or CS 2200)	D	DE	D
	ISE2211 OR		3			Statistics for Engineers	EGR1010 or MTH2300	D	D	D
	STT3600				Applied Statistics I	MTH2310 (can be taken concurrently)	D			
**Paid Internship										
Total Credit Hours								15	16	6

Make a Senior Check appointment with the department for permission to register for CEG4980 Team Projects I.

Year Two

	Course		Cr	Sem	Grd	Course Name	Prerequisites	Fa	Sp	Su
Fall	CEG4980	IW FM	3			Team Projects I	(CS3100* and (EGR3350 or ENG2140) or (CEG3400 and CS3170 and (EGR3350 or ENG2140)) and Department Permission	D	D	
		FM	3			4000-levelCS/CEG Technical Elective				
	CEG4110	IW FM	3			Intro to Software Engineering	CS3100*	D	E	
	CEG4350	FM	3			Operating System Internals & Design	CS3100* and CEG3310*	D	D	
		FM	3			4000-levelCS/CEG Technical Elective				
Spring	CEG4981	FM	3			Team Projects II	CEG 4980	D	D	
	CS3180	FM	3			Comparative Languages	CS3100*	D	D	
		FM	3			4000-levelCS/CEG Technical Elective				
		FM	3			4000-levelCS/CEG Technical Elective				
		FM	3			4000-levelCS/CEG Technical Elective				
Total Credit Hours								15	15	

D	Day
E	Evening
W	Web Only
FM	Full Major Status

A minimum of two core courses must be designated as MC and IW. A minimum of two courses in the major must be IW.

Computer Science or Computer Engineering Tech Electives (21 credit hours) 6 credit hours of 3000 level and 15 credit hours of 4000 level classes from CS or CEG Some technical electives require additional pre-requisites please check specific course descriptions.

General Electives (12 credit hours) General Elective courses may be any course taken for credit. Can use 2 crdt hrs of KNH for General Elective

Notes

CONSULT uAchieve for complete and updated course listings

**** The department will assist with internship placement. You will need to interview and be accepted by the employer.**