

Computer Science, BACS (2nd Degree)

Graduation Planning Strategy (GPS) 2021-2022

Name & UID: _____



**COMPUTER SCIENCE
AND ENGINEERING**

Program Total: 61

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

MTH2280 Business Calculus or MTH2240 Applied Calculus and STT2640 Elementary Statistics

CS2200/R Discrete Structures & their Algorithms or MTH2570/R Discrete Math for Computer Scientists (this can be taken fall of year one)

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 & Usage	CS1160 or CS1180 or CEG2170	D	D	
	CS1181/L*	IW	4		Computer Science II	CS1180* and (MTH1280 or MPL40)	D	DE	D
	CEG2400	3			Intro to PC Networking	CS1150 or CS1160 or CS1180 or CEG2170	E		
	CS2200/L* OR MTH2570*	4			Discrete Structures & their Algorithms Discrete Mathematics for Computing	CS1200* or WMPL40 MTH 1280 or MPL40	D	D	
Spring	CEG3120	3			Intro to Design of Info Tech Systems	CEG2350	D	D	
	CEG3310/L*	4			Computer Organization	CS1181* or (CEG2170* and (CEG3320 or EE2000))	D	DE	D
	CS2800	3			Web Development I	CS1160 or CS180 or CEG2170	D	DE	
	CS3700	3			Intro to Databases & Modeling	CS1180 or CS1160 or CEG2170	E	D	
Summer		3			2000/3000 - level CS/CEG Technical Elective				
	CS3100*	3			Data Structures & Algorithms	CS1181* and CEG3310* and (MTH2570 or CS2200)	D	DE	D
		3			2000/3000 - level CS/CEG Technical Elective				
		3			2000/3000 - level CS/CEG Technical Elective				
	FM	3			4000 - level CS/CEG Technical Elective				
Paid Internship**									

Total Credit Hours 15 16 12

Year Two

	Course	Cr	Sem	Grd	Course Name	Prerequisites	Fa	Sp	Su	
Fall		FM	3		4000 - level CS/CEG Technical Elective					
		FM	3		4000 - level CS/CEG Technical Elective					
		CEG4110	FM	3		Introduction to Software Engineering	CS3100*	D	E	
		EGR3350 OR	FM	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)	D	D	
			FM	3		4000 - level CS/CEG Technical Elective				
			FM	3		4000 - level CS/CEG Technical Elective				

Total Credit Hours 18

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 (24 credit hours) 9 credit hours of 2000/3000 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.

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.