

# Computer Science, BACS (2<sup>nd</sup> Degree)

Graduation Planning Strategy (GPS) 2020-2021

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 STT1600 Statistical Concepts

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 MTH 1280 or MPL40 MTH 1280 or MPL40	D	D	
Spring	CEG3120	3			Intro to Design of Info Tech Systems	CS1181	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 Oracle/SQL Databases	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				
<b>Paid Internship**</b>									

**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**

<b>D</b>	<b>Day</b>
<b>E</b>	<b>Evening</b>
<b>W</b>	<b>Web Only</b>
<b>FM</b>	<b>Full Major Status</b>

**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.**