

# College of Engineering and Computer Science

Computer Science  
Fall 2020

Name \_\_\_\_\_  
SUID \_\_\_\_\_

pr=prerequisite, co=corequisite

Minor/Second Major (if any): \_\_\_\_\_

CREDIT GRADE	FIRST-YEAR		SOPHOMORE		JUNIOR		SENIOR		VAR +/-
	F	S	F	S	F	S	F	S	

<b>G Writing Skills (6 cr) Minimum Grade C-</b>										
E	WRT105	Studio 1: Practices of Academic Writing	(3)	3						
N	WRT205	Studio 2: Critical Research and Writing (pr: WRT 105)	(3)			3				
<b>Presentational Skills (3 cr)</b>										
<b>Select one of the following three courses:</b>										
	CRS 225	Public Advocacy (3)	(3)			3				
	CRS/CAS325	Presentational Speaking (3)								
E	IST 344	Info. Reporting & Presentations (3)								
<b>D SSH/VPA (21 credits)</b>										
U	ECS 392	Ethical Aspects of ECS	(3)					3		
C	PHI 251	Logic	(3)	3						
A	SSH/VPA	_____	(3)	3						
T	SSH/VPA	_____	(3)			3				
I	SSH/VPA	_____	(3)				3			
O	SSH/VPA	_____	(3)					3		
N	SSH/VPA	_____	(3)						3	
<b>Natural Sciences (8 cr)</b>										
	PHY211	General Physics 1 (co: PHY 221, MAT 295)	(3)	3						
R	PHY221	General Physics Lab 1 (co: PHY 211)	(1)	1						
Also select one of the following three options:										
	PHY 212&222	General Physics 2 & Lab	(4)		4					
E	CHE 106&107	General Chemistry I & Lab								
Q	BIO 121	General Biology I								
<b>M Free Electives (9 cr)</b>										
N	Free Elec	_____	(3)				3			
T	Free Elec	_____	(3)					3		
S	Free Elec	_____	(3)						3	
<b>Mathematics (15-16 cr) Minimum Grade of C-</b>										
	MAT295	Calculus 1	(4)	4						
M	MAT296	Calculus 2 (pr: MAT295)	(4)	4						
A	MAT397/ 331	Calculus or Linear Algebra (pr: MAT 296)	(4-3)		4 or 3					
J	CIS321	Intro. to Probability & Statistics (pr: MAT 295)	(4)			4				
<b>O Engineering Courses (6 cr)</b>										
R	ECS101	Intro. to Engineering & Computer Sci	(3)	3						
	ECS102	Intro. to Computing	(3)	3						
<b>Comp Sci Core (34 cr) 2.667 GPA &amp; Minimum Grade C-</b>										
	CIS252	Intro. to Computer Science	(4)	4						
	CIS375	Intro. to Discrete Mathematics (pr: PHI 251)	(3)		3					
	CIS341	Comp. Organization & Prog. Systems (pr: CIS 351)	(3)			3				
	CSE384	Systems & Network Programming	(3)			3				
R	CIS351	Data Structures (pr: CIS 252)	(3)		3					
E	CIS352	Programming Lang: Theory & Prac. (pr: CIS 252, CIS375, CIS 351)	(3)			3				
Q	CIS453	Software Specification & Design (pr: CIS 351 or CSE 382)	(3)				3			
U	CIS454	Software Implementation (pr: CIS 453)	(3)					3		
I	CIS473	Automata and Computability (pr: CIS 375, or MAT 375)	(3)						3	
R	CIS477	Intro. to Analysis of Algorithms (pr: CIS 375, CIS 351)	(3)				3			
E	CIS486	Design of Operating Systems (pr: CIS 341 or CSE 381 and CSE 384)	(3)				3			
<b>M Upper Division Courses (18 cr) Minimum Grade C- At least 9 credits of Upper Division MUST be in CIS or CSE</b>										
E	Upper Div	_____	(3)					3		
N	Upper Div	_____	(3)						3	
T	Upper Div	_____	(3)							3
S	Upper Div	_____	(3)							
	Upper Div	_____	(3)							3
	Upper Div	_____	(3)							3
<b>TOTAL CREDITS</b>			<b>120-121</b>	<b>16</b>	<b>15</b>	<b>13-14</b>	<b>16</b>	<b>15</b>	<b>15</b>	<b>15</b>

## GPA WORKSHEET

**REQUIREMENTS: Minimum grade of C- in English, Mathematics, Core, and Upper Division Courses**

123 credits to graduate

2.0 Overall GPA to graduate

2.667 Core Course GPA

Restrictions/exclusions as noted in the Undergraduate Handbook

**CORE GPA TALLY SHEET:**

2) Divide Total Grade Points by Total Course Credits for Core Grade Point Average (GPA).

CORE COURSE	HR	GRD	TOTAL GRD POINTS	TOTAL COURSE CR	CORE GPA	CALCULATION DATE AND INITIALS
CIS252	4					
CIS375	3					
CIS341	3					
CSE384	3					
CIS351	3					
CIS352	3					
CIS453	3					
CIS454	3					
CIS473	3					
CIS477	3					
CIS486	3					
				÷	=	
				÷	=	
				÷	=	
				÷	=	
				÷	=	
				÷	=	
				÷	=	
				÷	=	
				÷	=	
				÷	=	

**GRADING CHART: Credit hours X points per grade = Grade Points Earned**

GRD	PTS
A	4.000
A-	3.667
B+	3.333
B	3.000
B-	2.667
C+	2.333
C	2.000
C-	1.667
D	1.000
F	0.000

In most cases an excellent approximation can be obtained by taking A= 11/3, B+=10/3, etc. The correct GPA, however, is that determined by using the table.