

# College of Engineering and Computer Science

Computer Science  
Fall 2016

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) Minimum Grade C-</b>										
<b>Select one of the following three courses:</b>										
	CRS 225	Public Advocacy (3)	(3)_____			3				
	CRS/CAS325	Presentational Speaking (3)								
E	IST 444	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 (12 cr) Two semester lab sequence in Natural Sciences</b>										
	PHY211	General Physics 1 (co: PHY 221, MAT 295)	(3)_____	3						
R	PHY221	General Physics Lab 1 (co: PHY 211)	(1)_____	1						
E	Natural Science Elective	_____	(4)_____			4				
Q	Natural Science Elective	_____	(4)_____				4			
<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 (33 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: ECS 102 or CIS 252)	(3)_____			3				
	CIS342	Intro. to Systems Programming (pr: CIS 351, co: CIS 341)	(1)_____			1				
R	CIS351	Data Structures (pr: CIS 252)	(4)_____			4				
E	CIS352	Programming Lang: Theory & Prac. (pr: CIS 275, 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	Computability Theory (pr: CIS 275, or MAT 275)	(3)_____				3			
R	CIS477	Intro. to Analysis of Algorithms (pr: CIS 275, CIS 351)	(3)_____				3			
E	CIS486	Operating Systems (pr: CIS 341, 342, 351 or CSE 281, 382)	(3)_____				3			
<b>M Upper Division Courses (18 cr) Minimum Grade C- At least 9 credits of Upper Division <b>MUST</b> be in Computer Science</b>										
E	Upper Div	_____	(3)_____				3			
N	Upper Div	_____	(3)_____					3		
T	Upper Div	_____	(3)_____					3		
S	Upper Div	_____	(3)_____					3		
	Upper Div	_____	(3)_____						3	
	Upper Div	_____	(3)_____						3	
<b>TOTAL CREDITS</b>			<b>123-124</b>	<b>16</b>	<b>15</b>	<b>13-14</b>	<b>17</b>	<b>16</b>	<b>16</b>	<b>15</b>

