



# COMPUTER SCIENCE

Name: \_\_\_\_\_

Advisor: \_\_\_\_\_

CORE REQUIREMENTS (46 credit hours)				
SEMESTER	REQUIREMENT	Course Options	Credits	
FR Year	Knight Academy	SVU 101	1	
	Fresh. Writing	WRI 120	3	
Complete by Sophomore Year	Philosophy	LIB 110	3	
	Am. Republic	LIB 120	3	
	Literature	LIB 130	3	
	Civilization I	ART 210, HIS 210, HIS 260, HUM 210, PHI 210, or POL 210	3	
	Civilization II	ART 215, HIS 215, HUM 215, MUS 215, PHI 215, POL 215 or THE 215	3	
	Mathematics	MAT 106, 114, 115, 221, 241, 242, CSC 120, or PHI 223	3-4	
	Life Science	BIO 114, 126, 201, or 212	3-4	
	Physical Science	CHE 114, 201, PHY 114, 117, 126, or 201	3-4	
	One of the above life or physical science courses must have a <b>LAB</b> component. BIO 126, PHY 117, and PHY 126 are non-lab courses.			
		Culture & Language 1	HUM 235R or Foreign Language Course (or approved F.L. equivalency exam)	3
Complete Any Year	Culture & Language 2	HUM 235R or Foreign Language Course (or approved F.L. equivalency exam)	3	
	Fine Arts	ART 120, 121, or 263; ENG 220, MUS 108, 129R, 139R, 221*, 256R*, 259R*, 275R*, 350R*; THE 110, 206, or 230R/330R* (*2 instances of the same ensemble needed to satisfy requirement)	3	
	Social Sciences	ECN 210, EDU 200, 250, FHD 210, 250, POL 203, 223, or PSY 105	3	
	Health & Wellness	Complete PER 143 or 2 credits worth of activity courses. <ul style="list-style-type: none"> <li>PER 203 First Aid does not count as an activity course</li> </ul>	2	
	JR Year	Adv. Writing	WRI 320 *must be completed by the end of your Junior year.	3

MAJOR REQUIREMENTS (39-50 credit hours)			
MAJOR CORE (21)			
SEMESTER	Course	Credits	
	CSC 110 Authoring for the Web	3	
	CSC 120 Programming Fundamentals	3	
	CSC 220 Data Structures	3	
	CSC 320 Advanced Programming	3	
	CSC 330 Operating Systems	3	
	CSC 350 Database Systems	3	
	CSC 498 Senior Capstone	3	
TRACK COURSEWORK			
Students will choose <b>ONE</b> of the following areas of emphasis:			
Business Track (21 hours)		Full Stack Developer (18 hours)	
ART 260 Graphic Design I	3	ART 260 Graphic Design I	3
ART 360 Graphic Design II	3	ART 360 Graphic Design II	3
BUS 250 Business Analysis using Excel	3	CSC 210 Adv. Authoring for the Web	3
BUS 350 Business Analytics*	3	CSC 250 Software Engineering	3
BUS 375R Business Systems	3	CSC 334 Programming Languages	3
CSC 210 Adv. Authoring for the Web	3	CSC 352 Platform Development	3
MAT 221 Statistics	3		
*BUS 355 may be substituted			
Data Science/AI Track (29 hours)			
CSC 333 Computational Data Science	3		
CSC 334 Programming Languages	3		
CSC 340 Artificial Intelligence	3		
MAT 116 Trigonometry	1		
MAT 221 Statistics	3		
MAT 241 Calculus I	4		
MAT 242 Calculus II	3		
MAT 332 Discrete Mathematics	3		
MAT 341 Calculus III	3		
MAT 343 Linear Algebra	3		
OTHER COURSES TOWARD GRADUATION (Required: 120 credit hours)			