

AY 2021-2022 CSE Concentration Course Offerings

1. Theory and Algorithms

	Fall	Spring
CSE 3502 or 5503 Required	X	X
CSE 3802	X	
CSE 4100		
CSE 4500		
CSE 4702	X	
CSE 4704 or 5514		
CSE 4820 or CSE 5819 or CSE 5820	X	X
CSE 5500	X	X
CSE 5506		
CSE 5512		
CSE 5854		
CSE 6512		
CSE 6514	X	

2. Systems and Networks

CSE 3300 or 5299 Required	X	X
CSE 3400 or 5850	X	X
CSE 4300 or 5305	X	X
CSE 4302 or 5302	X	
CSE 4709 or 5309		
CSE 5300		
CSE 5095 Architecture of IoT	X	
CSE 5306		

3. Cybersecurity

CSE 3400 or 5850 Required	X	X
CSE 3300 or 5299 or 3502 or 5503 or 4300 or 4305	X	X
CSE 4400 or 5400		X
CSE 4402 or 5402	X	
CSE 4702 or 5852	X	
CSE 5854		
CSE 5095 Blockchain Technology	X	

4. Bioinformatics

	Fall	Spring
CSE 3800 or 5800 Required	X	
CSE 3810 or 6800		X
CSE 4502 or 5717	X	X
CSE 4820 or 5819 or 5820	X	X
CSE 5810		X
CSE 5815		
CSE 5825		
CSE 5830		
CSE 5840		
CSE 5860		

5. Software Design & Dev

CSE 2102 Required	X	X
CSE 3150		X
CSE 4102 or 5102		X
CSE 4701	X	X
CSE 5103		X
CSE 5095 Social Media Mining/Anal	X	
CSE 5810		X

6. Computational Data Analytics

CSE 4502 or CSE 5717 Required	X	X
CSE 4701 or OPIM 3221	X	X
CSE 5520 or OPIM 3804	X	
CSE 4705	X	
CSE 5713 or OPIM 3802		X
CSE 5707 or OPIM 3803		
CSE 4820 or CSE 5819 or CSE 5820	X	X
CSE 5830 or CSE 5825 or CSE 5835		X
CSE 5095 Social Media Mining/Anal	X	

7. Unspecialized

CSE 2102	X	X
CSE 3300 or 5299	X	X
CSE 3400 or 5850	X	X
CSE 3502 or 5503	X	X
CSE 3800 or 5800	X	
CSE 4502 or 5717	X	X