

**CIT Course Rotations 2016-2017**

Subj	Crse	Course Title	Prerequisites	Cred	Rotation	Notes
CIT	1001	First Year Experiences	None	1.00	FA	
CS	1030	Problem Solving w/ Computers	None	3.00	By arrangement	
CS	1400	Fundamentals of Programming	None	3.00	FA, SP, SU	Regular evening sections.
CS	1410	Object Oriented Programming	CS 1400 (Grade C- or higher).	3.00	FA, SP	Regular evening sections.
CS	2420	Intro to Algorithms & Data Structure	CS 1410 (Grade C- or higher).	3.00	FA, SP	
CS	2450	Software Engineering	CS 2420 (Grade C- or higher).	3.00	FA, SP	Dual listed WEB3450 & MIS4450.
CS	2810	Computer Organization & Architecture	CS 1410 (Grade C- or higher).	3.00	FA, SP	
CS	3005	Programming in C++	CS 1410 (Grade C- or higher).	3.00	FA, SP	
CS	3010	Mobile Application Development for Android	CS 2420 (Grade C- or higher) AND CS 3005 (Grade C- or higher).	3.00	SP	
CS	3020	Mobile Application Development for iOS	CS 2420 (Grade C- or higher); AND CS 3005 (Grade C- or higher).	3.00	FA	
CS	3200	Web Application Development I	CS 1410 (Grade C- or higher) AND WEB 1400 (Grade C- or higher); OR CS 2810 (Grade C- or higher).	3.00	FA, SP	Dual listed WEB3200.
CS	3310	Discrete Mathematics	MATH 1210 (Grade C- or higher); AND CS 1410 (Grade C- or higher).	3.00	FA	
CS	3400	Operating Systems	CS 2420 (Grade C- or higher); AND CS 2810 (Grade C- or higher); AND CS 3005 (Grade C- or higher).	3.00	By arrangement	
CS	3410	Distributed Systems	CS 2420 (Grade C- or higher); AND CS 2810 (Grade C- or higher).	3.00	SP	
CS	3440	Software Practices	CS 3005 (Grade C- or higher).	3.00	SP	
CS	3500	Application Development	CS 3005 (Grade C- or higher).	3.00	FA	
CS	3510	Advanced Algorithms/Data Structures	CS 2420 (Grade C- or higher); AND CS 2810 (Grade C- or higher); AND CS 3310 (Grade C- or higher).	3.00	SP	
CS	3520	Programming Languages	CS 2420 (Grade C- or higher); AND CS 2810 (Grade C- or higher).	3.00	FA	
CS	3530	Computational Theory	CS 2420 (Grade C- or higher); AND CS 2810 (Grade C- or higher); and CS 3310 (can be concurrently enrolled).	3.00	FA	
CS	3600	Graphics Programming	CS 2420 (Grade C- or higher); AND CS 3005 (Grade C- or higher).	3.00	SP	
CS	4200	Web Application Development II	CS 3200 (Grade C- or higher).	3.00	SP	
CS	4300	Artificial Intelligence	CS 2420 (Grade C- or higher); AND CS 2810 (Grade C- or higher); AND CS 3005 (Grade C- or higher).	3.00	FA	
CS	4307	Database Design & Management	CS 1410 (can be concurrently enrolled).	3.00	FA, SP	Dual listed IT4300
CS	4550	Compilers	CS 2420 (Grade C- or higher); AND CS 2810 (Grade C- or higher); AND CS 3005 (Grade C- or higher).	3.00	SP	
CS	4600	Senior Project	Senior standing.	3.00	SP	
CS	4920R	Internship	Instructor permission.	1-3	By arrangement	
CS	4990	Seminar in Computer Science	Advanced standing.	3.00	By arrangement	
CS	4991R	Competitive Programming	CS 1400 (Grade C- or higher).	0.50	FA, SP	
DES	1100	Intro to Digital Design	None	3.00	FA, SP	Regular evening sections.
DES	1300	Communication Design	None	3.00	FA, SP	Regular evening sections.
DES	1610	Screen Printing	None	3.00	By arrangement	Evening sections only
DES	2500	Computer Illustration	DES 1300 (Grade C- or higher).	3.00	FA, SP	Regular evening sections.
DES	2600	Creative Imaging	None	3.00	FA, SP	Regular evening sections.
DES	2710	Typography	DES 2500 (Grade C- or higher).	3.00	FA, SP	Dual listed ART2710. Studio course.
DES	2800	Digital Publishing	DES 1300 (Grade C- or higher).	3.00	FA, SP	
DES	3100	Interaction Design	DES 2600 (Grade C- or higher); AND DES 2710 (Grade C- or higher); AND WEB 3400 (Grade C- or higher).	3.00	FA, SP	Dual listed WEB3100
DES	3300	Intro to Digital Video Editing	DES 2500 (Grade C- or higher); AND DES 2600 (Grade C- or higher).	3.00	SP	
DES	3600	3-D Visualization	DES 2500 (Grade C- or higher); AND DES 2600 (Grade C- or higher).	3.00	FA	
DES	3650	3-D Animation	DES 3600 (Grade C- or higher).	3.00	SP	
DES	3710	Advanced Typography	DES 2710 or ART 2710 (Grade C- or higher).	3.00	FA	Dual listed ART3710. Studio course.
DES	3780	Prepress & Print Production	DES 2500 (Grade C- or higher) and DES 2600 (Grade C- or higher).	3.00	SP	Dual listed ART3780. Studio course.
DES	3800	Corporate Identity	DES 2500 (Grade C- or higher); AND DES 3620 (Grade C- or higher).	3.00	FA	
DES	4600	Senior Project	Senior standing.	3.00	SP	
DES	4650	Publication Design	DES 2600 AND DES 2800 (Grade C- or higher) AND DES 2710 OR ART 2710 (Grade C- or higher).	3.00	SP	Dual listed ART4650. Studio course.
DES	4900R	Independent Research	Instructor permission.	1-3	By arrangement	
DES	4920	Internship	Instructor permission.	3.00	FA, SP, SU	
DES	4990	Seminar in Digital Design	Advanced standing.	3.00	By arrangement	
IT	1100	Intro to Unix/Linux	None	3.00	FA, SP	
IT	1200	A+ Computer Hardware/Windows OS	None	3.00	FA, SP	Dual listed CJ2500.
IT	2400	Intro to Networking	IT 1100 (Grade C- or higher).	3.00	FA, SP	
IT	3100	Systems Design & Administration I	CS 1400 (Grade C- or higher); AND IT 2400 (Grade C- or higher).	3.00	FA	
IT	3110	Systems Design & Administration II	IT 3100 (Grade C- or higher).	3.00	SP	
IT	3150	Windows Servers	IT 1200 (Grade C- or higher); AND IT 2400 (Grade C- or higher).	3.00	SP	
IT	3300	Virtualization	IT 2400 (Grade C- or higher).	3.00	FA	
IT	4100	Files Systems & Storage Technologies	IT 3100 (Grade C- or higher).	3.00	SP	
IT	4200	Advanced Web Delivery	IT 3100 (Grade C- or higher).	3.00	FA	
IT	4300	Database Design & Management	CS 1400 (Grade C- or higher); AND IT 1100 (Grade C- or higher).	3.00	FA, SP	Dual listed CS4307
IT	4310	Database Administration	IT 4300 (Grade C- or higher).	3.00	FA	
IT	4400	Network Design & Management	IT 2400 (Grade C- or higher).	3.00	FA	
IT	4500	Information Security	CS 1400 (Grade C- or higher); AND IT 3100 (Grade C- or higher).	3.00	SP	
IT	4600	Senior Project	Senior standing.	3.00	SP	
IT	4920R	Internship	Instructor permission.	1-3	By arrangement	
IT	4990	Seminar in Information Technology	Advanced standing.	3.00	By arrangement	
WEB	1400	Web Design I: Fundamentals	None	3.00	FA, SP	Regular evening sections.
WEB	3100	Interaction Design	DES 2600 (Grade C- or higher); AND DES 2710 (Grade C- or higher); AND WEB 3400 (Grade C- or higher).	3.00	FA, SP	Dual listed DES3100
WEB	3200	Web Application Development I	CS 1410 (Grade C- or higher); AND WEB 1400 (Grade C- or higher).	3.00	FA, SP	Dual listed CS3200.
WEB	3400	Web Design II: Essentials	DES 1300 (Grade C- or higher); AND WEB 1400 (Grade C- or higher).	3.00	FA, SP	
WEB	3450	Software Engineering	WEB 3200 (Grade C- or higher); AND WEB 3400 (Grade C- or higher).	3.00	FA, SP	Dual listed CS2450 & MIS4450.
WEB	3500	Electronic Commerce	None	3.00	FA, SP	
WEB	3550	Internet & eCommerce Marketing	None	3.00	FA, SP	
WEB	4200	Web Application Development II	WEB 3200 (Grade C- or higher).	3.00	SP	
WEB	4400	Web Design III: Advanced Techniques	DES 2500 (Grade C- or higher); AND DES 2600 (Grade C- or higher); AND DES 2710 (Grade C- or higher); AND WEB 3400 (Grade C- or higher).	3.00	FA	
WEB	4600	Senior Project	Senior standing.	3.00	SP	
WEB	4900R	Independent Research	Instructor permission.	1-3	By arrangement	
WEB	4920R	Internship	Instructor permission.	3.00	FA, SP, SU	
WEB	4990	Seminar in Web Development	Advanced standing.	3.00	By arrangement	
<b>Courses Required or Elective for Degree from Different Areas (only listed are those that are not offered FA, SP)</b>						
Subj	Crse	Course Title	Prerequisites	Cred	Rotation	Notes
ART	3040	Intermediate Digital Photography	ART 2060 (Grade C- or higher)	3.00	FA	
ART	3070	Advanced Photography II: Digital	ART 3040 (Grade C- or higher)	3.00	SP	
ART	3300R	Graphic Design Problems	DES 2500 (Grade C- or higher) and DES 2600 (Grade C- or higher).	3.00	FA	
ART	4750	Package Design	DES 2600 (Grade C- or higher); AND ART 2710 (Grade C- or higher) OR DES 2710 (Grade C- or higher)	3.00	SP	
ARTH	3750	Graphic Design History	None	3.00	FA Odd	
CJ	3810	Advanced Digital Forensics	CJ 2700 (Grade C- or higher).	3.00	FA	
CJ	3900	Digital Forensics Tools	CJ 1900 or CJ 2700 (Grade C- or higher).	3.00	FA	
CJ	3950	Digital Forensics Tools II	CJ 3900 (Grade C- or higher).	3.00	SP	
CJ	4700	File System Analysis	CJ 2700 (Grade C- or higher).	3.00	SP	
CJ	4750	Small Device Forensics	CJ 2700 (Grade C- or higher).	3.00	SP	May also be offered Fall
MATH	2280	Ordinary Differential Equations	Math 1220 (Grade C or higher).	3.00	SP	
MATH	3400	Probability & Statistics	MATH 1220 (Grade C or higher).	3.00	SP Odd	
PHYS	2220 / 25	Physics/Scientist Engineers II / Lab	MATH 1220 (Grade C or higher); AND PHYS 2210 (Grade C or higher).	4/1	SP	Must take course and lab together