Undergraduate Major Map

FIU FLORIDA INTERNATIONAL UNIVERSITY

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Catalog Year 2012

College / School Engineering

Major Information Technology - BS

Track / Concentration Software

Career Path Four Year Freshman

	Course Required	Description	Credit Hours	Critical Progress	
Fall 2012 **Total Credits 15**	CGS1920	Intro to Computing	1		**Milestones:** * MAC1105 completed Min GPA: 2.2
	ENC1101	Writing and Rhetoric I	3		
	MAC1105	College Algebra, if needed, or General Elective	3	C	
	SLS1501	First Year Exper	1		
		(1) Natural Physical Sciences and lab	4		
		(1) Humanities w/ Writing - Historical	3		

	Course Required	Description	Credit Hours	Critical Progress	
Spring 2013 **Total Credits 15**	ENC1102	Writing and Rhetoric II	3		**Milestones:** * MAC1114 completed Min GPA: 2.2
	MAC1114	Trigonometry	3	C	
		(1) Arts	3		
		(1) Humanities w/ Writing	3		
		(1) Societies and Identities	3		

	Course Required	Description	Credit Hours	Critical Progress	
Summer 2013 **Total Credits 0**			0		Use this Semester to catch up on coursework if necessary.

Fall 2013 Total Credits 15	Course Required	Description	Credit Hours	Critical Progress	Milestones: * MAD2104 completed * CGS2518 completed Min GPA: 2.2
	CGS2518	Computr Data Analys	3	C	
	MAD2104	Discrete Mathematics	3	C	
	PSY2012	Intro To Psychology	3		
		General Electives	6		

Spring 2014 Total Credits 15	Course Required	Description	Credit Hours	Critical Progress	Milestones: * COP2210 completed Min GPA: 2.2
	COP2210	Programming I	4	B-	
		(1) Natural Life Sciences and lab	4		
		General Electives	7		

Summer 2014 Total Credits 0	Course Required	Description	Credit Hours	Critical Progress	Use this Semester to catch up on coursework if necessary.
			0		

Fall 2014 Total Credits 15	Course Required	Description	Credit Hours	Critical Progress	Milestones: * COP3337 completed * CGS3767 completed Min GPA: 2.2
	CEN3721	Human-Computer Interaction	3		
	CGS3767	Computer Os	3	C+	
	COP3337	Programming II	3	B-	
	ENC3213	Prof and Tech Writing	3		
	CDA3103	Fundamentals of Computer Systems	3		

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Spring 2015 Total Credits 15	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
	CGS3092	Ethics/Soc In Cs	1		
	CGS4285	Appl Networking	3		
	CGS4854	Websiteconmgmt	3		
	COP 4703	Information Storage and Retrieval	3		
		General Electives	5		

Summer 2015 Total Credits 0	Course Required	Description	Credit Hours	Critical Progress	Use this Semester to catch up on coursework if necessary.
			0		

Fall 2015 Total Credits 15	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
	CNT4403	Computer Security	3		
	COP3530	Data Structures	3		
	(2)	List A (Interdisciplinary Courses)	6		
	(3)	List B (IT Electives)	3		

Spring 2016 Total Credits 15	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.0
	COP4338	Programming III	3		
	COP4814	Compon Software Dev	3		
	(2)	List A (Interdisciplinary Courses)	3		
	(3)	List B (IT Electives)	3		
		General Electives	3		

General University Requirements

(1) Refer to http://undergrad.fiu.edu/advising/uccform.html for a list of acceptable courses to satisfy these requirements.

(2) List A: Interdisciplinary Credits: Nine credits must be taken outside SCIS. These credits must be selected from the courses for a minor or certificate in another discipline. All nine credits must be taken from the same minor or certificate.

(3) List B: IT Electives: Students must take 2 elective courses in one area of concentration. Areas: System Administration (CIS 4431 - IT Automation, CTS 4348 Unix Admin), Database Administration (COP 4722 - DB Survey, COP 4723 - DB Admin), Network Administration (CNT 4504 - Advanced Network Management, CNT 4513 - Data Communications), Application Development (COP 4005 - Windows Programming for IT, COP 4813 - Web Application Programming , COP 4655 - Mobile Application Development).

For students who are deficient in a foreign language, the general electives should include a two-semester sequence in one foreign language.

Students are required to earn at least nine credit hours prior to graduation by attending one or more summer semesters at FIU or any other University in the Florida State system.