FIU FLORIDA INTERNATIONAL UNIVERSITY

Undergraduate Major Map

Catalog Year 2012
College / School Engineering
Major Computer Science - BS
Track / Concentration

Career Path Four Year Freshman

	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
Fall 2012 **Total Credits 15**	CGS1920	Intro to Computing	1		
	ENC1101	Writing and Rhetoric I	3		
	MAC2147	Pre-Calculus Math	4	C	
	SLS1501	First Year Exper	1		
	(1)	List A (Science Elective)	3		
	(2)	Humanities w/ Writing - Historical	3		

	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
Spring 2013 **Total Credits 14**	ENC1102	Writing and Rhetoric II	3		
	MAC2311	Calculus I	4	C	
	(3)	List B (Satisifies Life Science and Lab)	4		
	(2)	Humanities w/ Writing	3		

	Course Required	Description	Credit Hours	Critical Progress	Use this Semester to catch up on coursework if necessary.
Summer 2013 **Total Credits 0**			0		At least 9 credit hours must be taken in one or more summers at FIU or any other university in the Florida State system.

Fall 2013
Total Credits 14

Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
COP2210	Programming I	4	B-	
MAC2312	Calculus II	4	C	
(2)	Societies & Identities	3		
(2)	Arts	3		

Spring 2014
Total Credits 17

Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
COP3337	Programming II	3	B-	
MAD2104	Discrete Mathematics	3	C	
PHY2048	Physics W/Calculus I	4		
PHY2048L	General Phys Lab I	1		
	General Elective	3		
	UCC Course	3		

Summer 2014
Total Credits 0

Course Required	Description	Credit Hours	Critical Progress	Use this Semester to catch up on coursework if necessary. At least 9 credit hours must be taken in one or more summers at FIU or any other university in the Florida State system.
		0		

Fall 2014
Total Credits 14

Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
CDA3103	Fund Computer System	3		
COP3530	Data Structures	3	C	
ENC3213	Prof and Tech Writing	3	B-	
PHY2049	Physics W/Calc II	4		
PHY2049L	General Phys Lab II	1		

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	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
Spring 2015 **Total Credits 16**	CDA4101	Structure Comp Org	3		
	CGS3092	Ethics/Soc In Cs	1		
	COM3110	Bus And Prof Commun	3		
	COP4710	Database Management	3		
	COT3420	Logic For Comp Sci	3		
		General Elective	3		

	Course Required	Description	Credit Hours	Critical Progress	Use this Semester to catch up on coursework if necessary. At least 9 credit hours must be taken in one or more summers at FIU or any other university in the Florida State system.
Summer 2015 **Total Credits 0**			0		

	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
Fall 2015 **Total Credits 15**	CEN4010	Software Eng I	3		
	COP4338	Programming III	3		
	MAD3512	Theory Algorithms	3		
	STA3033	Prob & Stat For Cs	3		
	(4)	List C (CS Elective)	3		

Undergraduate Major Map

Spring 2016 Total Credits 15	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
	CIS4911	Senior Project	3		
	COP4555	Prin Of Prog Lang	3		
	COP4610	Operating Syst Princ	3		
	(4)	List C (CS Elective)	6		

Summer 2016 Total Credits 0	Course Required	Description	Credit Hours	Critical Progress	Use this Semester to catch up on coursework if necessary.
			0		

General University Requirements

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

(1) List A: CS Science Electives: Choose from AST2003, AST2004, BOT1010, BSC1010, BSC1011, CHM1045, CHM1046, GLY1010, GLY1100, GLY3754, GLY4400, GLY4450, MCB2000, OCB2003, OCE3014, PCB2061, PHY3123, PHY3124, PHY3513, PHY4323, PHY4324

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

(3) List B: UCC Life Science classes that are also acceptable as CS Science electives: Choose from: BSC1010, BOT1010, MCB2000, OCB2003 and corresponding lab

(4) List C: CS Electives: Choose two from Set 1 (CAP4770, COP4604, CEN4021, COP4226, CEN4072, COP4520) and one from Set 2 (MAD3305, MAD4203, MAD3401, MHF4302)