FIU | FLORIDA INTERNATIONAL UNIVERSITY **Undergraduate Major Map**

Catalog Year 2012   **Career Path** Five Year Freshman
College / School Engineering
Major Computer Science - BS
Track / Concentration

Fall 2012
Total Credits 12

Min GPA: 2.2

Course Required	Description	Credit Hours	Critical Progress
CGS1920	Intro to Computing	1	
ENC1101	Writing and Rhetoric I	3	
MAC2147	Pre-Calculus Math, if needed, or General Elective	4	C
SLS1501	First Year Exper	1	
(1)	List A Science Elective	3	

Spring 2013
Total Credits 11

Min GPA: 2.2

Course Required	Description	Credit Hours	Critical Progress
ENC1102	Writing and Rhetoric II	3	
MAC2311	Calculus I	4	C
(2)	List B (Satisfies Life Sciences and Lab)	4	

Summer 2013
Total Credits 0

Course Required	Description	Credit Hours	Critical Progress	Use this Semester to catch up on coursework if necessary.
		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.

FIU FLORIDA INTERNATIONAL UNIVERSITY

Undergraduate Major Map

	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
Fall 2013 Total Credits 13	MAC2312	Calculus II	4	C	
	(3)	Humanities w/ Writing - Historical	3		
	(3)	Foundations of Social Inquiry	3		
	(3)	Arts	3		

	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
Spring 2014 Total Credits 13	COP2210	Programming I	4	B-	
	MAD2104	Discrete Mathematics	3	C	
	(3)	Humanities w/ Writing	3		
	(3)	Societies & Identities	3		

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

	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
Fall 2014 Total Credits 14	COP3337	Programming II	3	B-	
	ENC3213	Prof and Tech Writing	3		
	PHY2048	Physics W/Calculus I	4		
	PHY2048L	General Phys Lab I	1		
		General Electives	3		

	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
Spring 2015 **Total Credits 11**	CDA3103	Fund Computer System	3		
	COP3530	Data Structures	3	C	
	PHY2049	Physics W/Calc II	4		
	PHY2049L	General Phys Lab II	1		

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

	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
Fall 2015 **Total Credits 13**	CDA4101	Structure Comp Org	3		
	CGS3092	Ethics/Soc In Cs	1	C	
	COM3110	Bus And Prof Commun	3	C	
	COP4710	Database Management	3		
	COT3420	Logic For Comp Sci	3		

	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
Spring 2016 **Total Credits 12**	CEN4010	Software Eng I	3	C	
	COP4338	Programming III	3		
	MAD3512	Theory Algorithms	3		
		General Elective	3		

Summer 2016 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 2016 Total Credits 12	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.2
	COP4555	Prin Of Prog Lang	3		
	COP4610	Operating Syst Princ	3		
	STA3033	Prob & Stat For Cs	3		
	(4)	List C (CS Elective)	3		

Spring 2017 Total Credits 9	Course Required	Description	Credit Hours	Critical Progress	Min GPA: 2.0
	CIS4911	Senior Project	3		
	(4)	List C (CS Electives)	6		

Summer 2017 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) List B: UCC Life Science classes that are also acceptable as CS Science electives: Choose from: BSC1010, BOT1010, MCB2000, OCB2003 and corresponding lab

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

(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)