

Suggested Plan of Study BS-CIS (Programming Concentration) 2022-2023

Year 1			Fall			Prerequisites		
ENC 1101	English Composition I	3	ENC 1101	English Composition I	3	Test Score		
GESO	General Education Social Science	3	MAC 1105	College Algebra	3	See Civic Literacy Requirement		
MAC 1105	College Algebra	3	GEHM	State Core General Education Humanities	3	MAT 1033 with a minimum grade of C or Test score		
GENC	State Core General Education Natural Science w/lab	3	GENC	State Core General Education Natural Science w/lab	3			
			Total Credits			15		
Year 1			Spring					
ENC 1102	English Composition II	3	ENC 1102	English Composition II	3	ENC 1101 with a minimum grade of C		
MAC 1147	Precalculus	4	MAC 1147	Precalculus	4	MAC 1105 with a minimum grade of C or Test score		
COP 1500	Intro to Computer Science	3	COP 1500	Intro to Computer Science	3	MAC 1105 or MAC 1147 or MAC 2157 or MAC 2311 with a minimum grade of C		
ECO 2023	Microeconomics	3	ECO 2023	Microeconomics	3			
GEHM	General Education Humanities with INKN Attribute	3	GEHM	General Education Humanities with INKN Attribute	3			
			Total Credits			16		
Year 1			Summer					
			Total Credits			0-9		
Complete 20 of 80 Service Learning Hours by end of year 1								
Year 2			Fall					
ACG 2021	Intro to Financial Accounting	3	ACG 2021	Intro to Financial Accounting	3			
MAC 2311	Calculus I	4	MAC 2311	Calculus I	4	MAC 1147 with a minimum grade of C or Test Score		
ECO 2013	Macroeconomics (Satisfies the State Core Social Science requirement)	3	ECO 2013	Macroeconomics (Satisfies the State Core Social Science requirement)	3			
GEB 3523 OR ENC 3250	Critical Thinking for Business OR Professional Writing	3	GEB 3523 OR ENC 3250	Critical Thinking for Business OR Professional Writing	3	ENC 1101 & ENC 1102 with minimum grade of C (in addition, GEB 3523 requires ACG 2021 with minimum grade of C); sophomore standing		
GENC or GENA	General Education Natural Science	3	GENC or GENA	General Education Natural Science	3			
			Total Credits			16		
Year 2			Spring					
ACG 2071	Intro to Managerial Accounting	3	ACG 2071	Intro to Managerial Accounting	3	CGS 1100 and ACG 2021 with a minimum grade of C		
STA 2023	Statistical Methods	3	STA 2023	Statistical Methods	3	MAT 1033 or MAC 1105 or MAC 2233 with a minimum grade of C or Test Score		
BUL 3130	Legal & Ethical Environment of Business	3	BUL 3130	Legal & Ethical Environment of Business	3			
MAN 3025	Principles of Management	3	MAN 3025	Principles of Management	3	Sophomore Standing		
GEHM	General Education Humanities with INKN Attribute	3	GEHM	General Education Humanities with INKN Attribute	3			
			Total Credits			15		
Year 2			Summer					
			Total Credits			0-9		
Complete 40 of 80 Service Learning Hours by end of year 2								
Year 3			Fall					
ISM 3053	Mobile App Development*	3	ISM 3053	Mobile App Development*	3			
COP 2006	Introduction to Programming*	3	COP 2006	Introduction to Programming*	3	COP 1500 with a minimum grade of C		
ISM 3011	Information Systems	3	ISM 3011	Information Systems	3	CGS 1100 or COP 1500 with a minimum grade of C; Junior Standing		
FIN 3403	Business Finance	3	FIN 3403	Business Finance	3	CGS 1100, ACG 2021, ECO 2023, ECO 2013, STA 2023, with a minimum grade of C; Junior Standing		
MAC 2312	Calculus II	4	MAC 2312	Calculus II	4	MAC 2311 with a minimum grade of C		
			Total Credits			16		
Year 3			Spring					
QMB 3302	Business Analytics*	3	QMB 3302	Business Analytics*	3	STA 2023 with a grade of C and (MAC 2233 or MAC 2311) with a grade of C.		
ISM 3212	Database Concepts and Admin.*	3	ISM 3212	Database Concepts and Admin.*	3	COP 2006 or ISM 3053 or ISM 3230 and (ISM 3011 or CEN 3031) with a minimum grade of C		
COP 2001	Programming Methodology*	3	COP 2001	Programming Methodology*	3	COP 2006 and MAC 2312 with a minimum grade of C		
SCM 3005	Supply Chain Management	3	SCM 3005	Supply Chain Management	3	STA 2023 with a minimum grade of C; Sophomore standing		
SPC 2023 or GEB 3085	Public Speaking or Professional Development	3	SPC 2023 or GEB 3085	Public Speaking or Professional Development	3	SPC 2023 requires sophomore standing; GEB 3085 requires junior standing		
			Total Credits			15		
Year 3			Summer					
			Total Credits			0-9		
Complete 60 of 80 Service Learning Hours by end of year 3								

		Total Credits	0-9	
Year 4	Fall			
ISM 4323	Network Security*	3		(COP 2006 or ISM 3230) and (ISM 3011 or CEN 3031) with a minimum grade of C
ISM 3113	Systems Analysis & Design*	3		(COP 2006 or ISM 3230 with a minimum grade of C) or ISM 3053 with a minimum grade of C, QMB 3302 with minimum grade of C, and ISM 3212 minimum grade of C (may be taken concurrently)
COP 3003	Object-Oriented Programming*	3		COP 2006 and MAC 2312 with a minimum grade of C
MAR 3023	Introduction to Marketing	3		Junior Standing
IDS 3920	University Colloquium	3		Sophomore Standing, minimum grade of C
				Complete 80 of 80 Service Learning Hours by end of fall semester year 4
		Total Credits	15	
Year 4	Spring			
ISM 4154	Information Systems Integration*	3		ISM 3113 and ISM 4323 with a minimum grade of C
GEB 4890	Business Strategy (Capstone- completed in the graduating semester)	3		FIN 3403, MAN 3025, MAR 3023 with a minimum grade of C
Free Elective		3		
Free Elective		3		
		Total Credits	12	
Year 4	Summer			
		Total Credits	0-9	
Legend				Notes: 1) Math course requirements and sequence are determined by the math placement exam or test scores. Students that place in higher level math may need additional general elective credit hours to meet the 120 total credits required for the degree. 2) FTIC and LL Transfer students must complete 9 credit hours of coursework during summer session (s). 3) Baccalaureate degree-seeking students must complete the civic literacy requirement. See catalog for details: https://www.fgcu.edu/catalog/undergraduateinformation?fmid=Civic+Literacy . 4) Business students must complete a Business Majors Fields test in graduating semester.
	Common Prerequisites			
	Required Courses in the Major *Students must meet the college criteria for admission to the major prior to enrolling in major courses			
	Restricted Electives *Students must meet the college criteria for admission to the major prior to enrolling in upper division restricted electives			
	Business Common Core			