



BACHELOR OF SCIENCE IN MATHEMATICS

	Course	Course Description	Credits	Prerequisites	Offered
Fall - Year 1	MAC 2311	Calculus I	4	MAC 1147	Fa, Sp, Su
	COP 1500	Intro Computer Science	3	MAC 1147	Fa, Sp
	ENC 1101	Composition I	3	A01 min. score of 17 or S01 min. score of 440 or ACU 1 min. score of 083 or ERT 1 min. score of 103	Fa, Sp, Su
	ARH 2000 or LIT 2000 or MUL 2010 or PHI 1010 or THE 2000	State Core Gen Ed Requirement in Humanities	3		Fa, Sp, Su
	XXX XXXX	General Education Course in Social Sciences**	3		Fa, Sp, Su
		Total Credits for Semester:	16		

	Course	Course Description	Credits	Prerequisites	Offered
Spring - Year 1	MAC 2312	Calculus II	4	MAC 2311	Fa, Sp, Su
	PHY 2048C	General Physics with Lab I	4	MAC 2311	Fa, Sp
	STA 2023 or STA 2037	State Core Mathematics	3		Fa, Sp
	ENC 1102	Composition II	3	ENC 1101	Fa, Sp, Su
		Total Credits for Semester:	14		

	Course	Course Description	Credits	Prerequisites	Offered
Fall - Year 2	MAC 2313	Calculus III	4	MAC 2312	Fa, Sp, Su
	MAP 2302	Diff Equations	3	MAC 2312	Fa, Sp, Su
	XXX XXXX	General Education Course in Humanities**	3		Fa, Sp, Su
	AMH 2020 or ANT 2000 or ECO 2013 or POS 2041 or PSY 2012 or SYG 2000	State Core Gen Ed Requirement in Social Sciences	3		Fa, Sp, Su
	XXX XXXX	Natural Science General Education Course	3		Fa, Sp, Su
		Total Credits for Semester:	16		

	Course	Course Description	Credits	Prerequisites	Offered
Spring - Year 2	MHF 2191	Math Foundations	3	MAC 2312	Fa, Sp
	MAS 3105	Linear Algebra	3	MAC 2313	Fa, Sp
	MAS 4730	Comp Tech	2	MAC 2312	Sp
	XXX XXXX	Social or Natural Science General Education Course**	3		Fa, Sp, Su
	XXX XXXX	General Education Course in Humanities**	3		Fa, Sp, Su
		Total Credits for Semester:	14		

NOTES:

- * Assumes student arrives ready for Calculus I (MAC 2311) and Statistical Methods (STA 2023)
- ** Students must complete 6 hours of Intercultural Knowledge coursework (INKN) from within the Social Sciences, Humanities or Natural Sciences. Additionally to Composition I & II students will complete a additional 6 hours of College Level Writing Skills (CLWS) from within the Social Sciences or Humanities categories, or Colloquium with a "C" or higher.

For additional information, see: <http://www.fgcu.edu/CAS/MathBS/requirements.asp>



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Fall - Year 3	Course	Course Description	Credits	Prerequisites	Offered
	MAP 3161	Math for Science and Engineering	4	MAS 3105, MAP 2302	Fa
	MAP 3162	Prob & Stats	4	MAC 2313	Fa
	MHF 4404	History of Math	3	MAC 2312	Fa
	IDS 3920	University Colloquium	3	Junior Standing Required	Fa, Sp, Su
Total Credits for Semester:			14		

Spring - Year 3	Course	Course Description	Credits	Prerequisites	Offered
	MAP 3163	Oper Res I	3	MAS 3105	Sp
	3XXX or 4XXX	Upper level restricted electives in the major	3	see course description in catalog	Fa, Sp
	XXX 3XXXX/4XXX	Free Upper Level General Elective	3		Fa, Sp
	XXX 3XXXX/4XXX	Free Upper Level General Elective	3		Fa, Sp
	XXX XXXX	Free General Elective	3		Fa, Sp
Total Credits for Semester:			15		

Fall - Year 4	Course	Course Description	Credits	Prerequisites	Offered
	MAA 4226	Analysis I	3	MAC 2313, MHF 2191	Fa
	MAS 4301	Abstract Algebra I	3	MHF 2191	Fa
	XXX XXXX	Free General Elective	3		Fa, Sp
	XXX XXXX	Free General Elective	3		Fa, Sp
	3XXX or 4XXX	Upper level restricted electives in the major	3	see course description in catalog	Fa, Sp
Total Credits for Semester:			15		

Spring - Year 4	Course	Course Description	Credits	Prerequisites	Offered
	MAT 4937	Senior Seminar	2	Senior Standing	Sp
	MAA 4227	Analysis II	3	MAA 4226	Sp
	MAS 4302	Abstract Algebra II	3	MAS 4301	Sp
	XXX XXXX	Free General Elective	2		Fa, Sp
	XXX XXXX	Free General Elective	3		Fa, Sp
XXX XXXX	Free General Elective	3		Fa, Sp	
Total Credits for Semester:			16		

Total Credits for Degree: 120

Course Type

General Education
Common Prerequisites
Critical Courses for the Major
Strongly Recommended Gen Ed
Required in the Major
Restricted Electives
University Requirement
General Electives

Note: FGCU requires that students who enter with fewer than 60 semester hours of credit must enroll in a minimum of 9 semester credit hours of coursework during one or more summer sessions prior to graduation. Therefore any of the courses listed in the fall and spring semesters above may be completed during a summer session. The total credits for the degree still add up to 120.

Summer	Course	Course Description	Credits	Prerequisites	Semester Offered
		XXX XXXX	Any Courses Listed Above	≥ 9	varies