



BACHELOR OF SCIENCE IN CHEMISTRY

	Course	Course Description	Credits	Prerequisites	Offered
Fall - Year 1	CHM 1045/L	General Chemistry I w/Lab	4	MAC 1105, 1147, 2311, 2157, or ACU5 with minimum score of 066	Fa, Sp, Su
	XXX XXXX	General Education Course in Humanities	3		Fa, Sp, Su
	MAC 2311	Calculus I	4	MAC 1147 or MAC 2157 or ACU5 min. score of 087	Fa, Sp, Su
	ENC 1101	Composition 1	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
	Total Credits for Semester:			14	

	Course	Course Description	Credits	Prerequisites	Offered
Spring - Year 1	CHM 1046/L	General Chemistry II w/Lab	4	CHM 1045/L or CHM 1045C	Fa, Sp, Su
	MAC 2312	Calculus II	4	MAC 2311	Fa, Sp, Su
	ENC 1102	Composition 2	3	ENC 1101	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
	ARH 2000 or HUM 1020 or LIT 2000 or MUL 2010 or PHI 1010 or THE 2000	State Core Gen Ed Requirement in Humanities	3		Fa, Sp, Su
	Total Credits for Semester:			17	

	Course	Course Description	Credits	Prerequisites	Offered
Fall - Year 2	CHM 2210/L	Organic Chem I w/Lab	4	CHM 1046C or CHM 1046/L	Fa, Sp, Su
	PHY 2048/L	General Physics I w/Lab	4	MAC 2311	Fa, Sp, Su
	MAC 2313	Calculus III	4	MAC 2312	Fa, Sp, Su
	STA 2023	Statistical Methods	3	MAT 1033 or MAC 1105 or MAC 1147 or MAC 2233 or MGF 1107 or MGF 1106 or S02 min. score of 550 or A02 min. score of 24 or ACU4 min. score of 090 or ERT4 min. score of 123	Fa, Sp, Su
	Total Credits for Semester:			15	

	Course	Course Description	Credits	Prerequisites	Offered
Spring - Year 2	CHM 2211/L	Organic Chem II w/Lab	4	CHM 2210/L or CHM 2210C	Fa, Sp, Su
	PHY 2049/L	General Physics II w/Lab	4	PHY 2048/L or PHY 2048C and MAC 2312	Fa, Sp, Su
	CHM 3120/L	Analytical Chemistry w/ Lab	4	CHM 1046/L or CHM 1046C	Fa, Sp, Su
	XXX XXXX	Free General Elective	3		Fa, Sp, Su
	Total Credits for Semester:			15	

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. In addition
- ** to Composition I & II, students must complete 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: <https://www.fgc.edu/cas/departments/cphy/chembs/index.aspx>

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Fall - Year 3	Course	Course Description	Credits	Prerequisites	Offered
	CHM 3610/L	Inorganic Chemistry w/Lab	4	CHM 1046C or CHM 1046/L	Fa
	CHM 3410/L	Physical Chemistry I w/Lab	4	CHM 2211C or CHM 2211/L, CHM 3120C or CHM 3120/L, PHY 2049C or PHY 2049/L or PHY 2054C or PHY 2054/L and MAC 2311	Fa
	XXX XXXX	General Education Course in Humanities**	3		Fa, Sp, Su
	XXX XXXX	Free General Elective	3		Fa, Sp, Su
Total Credits for Semester:			14		

Spring - Year 3	Course	Course Description	Credits	Prerequisites	Offered
	BCH 3023C	Biochemistry	3	CHM 2211C or CHM 2211/L	Fa, Sp, Su
	CHM 3411/L	Physical Chemistry II w/Lab	4	CHM 3410/L	Sp
	XXX 3XXX/4XXX	Upper Level Restricted Elective	3	see approved list in catalog	Fa, Sp
	XXX XXXX	General Education Course in Social Sciences**	3		Fa, Sp, Su
XXX XXXX	Free General Elective	3		Fa, Sp, Su	
Total Credits for Semester:			16		

Fall - Year 4	Course	Course Description	Credits	Prerequisites	Offered
	CHM 4910C	Senior Project in Chemistry	2	CHM 2211C or CHM 2211/L and CHM 3120C or CHM 3120/L	Fa
	CHM 4932	Chemistry Senior Seminar	3	CHM 2211C or CHM 2211/L and CHM 3120C or CHM 3120/L	Fa
	XXX 3XXX/4XXX	Upper Level Restricted Elective	3	see approved list in catalog	Fa, Sp
	XXX 3XXX/4XXX	Upper Level Restricted Elective	3	see approved list in catalog	Fa, Sp
IDS 3920	University Colloquium	3		Fa, Sp	
Total Credits for Semester:			14		

Spring - Year 4	Course	Course Description	Credits	Prerequisites	Offered
	CHM 4230C	Practical NMR Spectroscopy	3	CHM 2211C or CHM 2211/L	Sp
	CHM 4912C	Senior Thesis/Pres. Chemistry	2	CHM 4910C	Fa, Sp
	CHM 4130/L	Instrumental Analysis w/Lab	4	CHM 2211/L or CHM 2211C and CHM 3120C or CHM 3120/L	Sp
	XXX 3XXX/4XXX	Upper Level Restricted Elective	3	see approved list in catalog	Fa, Sp
XXX XXXX	Free General Elective	3		Fa, Sp, Su	
Total Credits for Semester:			15		

Total Credits for Degree:

120

Course Type

General Education
Common Prerequisites
Strongly Recommended Gen Ed
Required in the Major
Milestone Courses
Critical Course for 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	varies	varies	Summer
			≥ 9		