



BACHELOR OF SCIENCE IN BIOLOGY* - MICROBIOLOGY CONCENTRATION

	Course	Course Description	Credits	Prerequisites	Offered
Fall - Year 1	BSC 1010C	General Biology I with Lab	4		Fa, Sp, Su
	CHM 1045/1045L	General Chemistry I with lab	4	MAC 1105 or MAC 1147 or MAC 2311 or MAC 2157 or ACU5 min score of 066	Fa, Sp, Su
	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 HUM X020 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			14	

	Course	Course Description	Credits	Prerequisites	Offered
Spring - Year 1	BSC 1011/1011L	General Biology II with Lab	4		Fa, Sp, Su
	CHM 1046/1046L	General Chemistry II with Lab	4	CHM 1045C or 1045/1045L	Fa, Sp, Su
	ENC 1102	Composition II	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
	XXX XXXX	General Education Course in Humanities**	3		Fa, Sp, Su
	Total credits for semester			17	

	Course	Course Description	Credits	Prerequisites	Offered
Fall- Year 2	CHM 2210C or 2210/2210L	Organic Chemistry I with Lab	4	CHM 1046C or 1046/1046L	Fa, Sp, Su
	PCB 3023C or	Cell Biology or	4	BSC 1010C or (BSC 1010 and BSC 1010L)and CHM 1046C or (CHM 1046 and CHM 1046L)	Fa, Sp
	PCB 3063C	Genetics	4	BSC 1010C or (BSC 1010 and BSC 1010L) and BSC 1011 and BSC 1011L or (BSC 1011C) and CHM 1045C or (CHM 1045 and CHM 1045L)	Fa, Sp
	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
	XXX XXXX	General Education Course in Humanities**	3		Fa, Sp, Su
	Total Credits for Semester			14	

	Course	Course Description	Credits	Prerequisites	Offered
Spring- Year 2	CHM 2211C or 2211/2211L	Organic Chemistry II with Lab	4	CHM 2210C or 2210/2210L	Fa, Sp, Su
	PCB 3023C or	Cell Biology or	4	BSC 1010C or (BSC 1010 and BSC 1010L)and CHM 1046C or (CHM 1046 and CHM 1046L)	Fa, Sp
	PCB 3063C	Genetics	4	BSC 1010C or (BSC 1010 and BSC 1010L) and BSC 1011 and BSC 1011L or (BSC 1011C) and CHM 1045C or (CHM 1045 and CHM 1045L)	Fa, Sp
	PCB 3043C	General Ecology	3	BSC 1010C or (BSC1010 and BSC 1010L) and BSC 1011C or (BSC 1011 and BSC1011L)	Fa, Sp, Su
	MAC 2311	Calculus I	4	MAC 1147 or MAC 2157 or ACU5 min. score of 087	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 and they must satisfy the Civic Literacy requirement: <https://www.fgcu.edu/testing/programs/civic-literacy-exam>. 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 from Colloquium with a "C" or higher.

** For additional information, see: <https://www.fgcu.edu/cas/departments/biosciences/biobs/>



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	Course	Course Description	Credits	Prerequisites	Offered
Fall - Year 3	IDS 3300	Foundations of Civic Engagement	3	ENC 1102	Fa, Sp, Su
	MCB 3020C	General Microbiology	4	CHM 2210C or (CHM 2210 and CHM 2210L) and BSC 1010C or (BSC 1010 and BSC 1010L)	Fa, Sp
	PHY 2053C	College Physics I with lab	4	MAC 1147 or MAC 2311	Fa, Sp, Su
	XXX 3XXX/4XXX	Upper Level Restricted Elective	1	see course description on Gulfline	Fa, Sp
	XXX XXXX	General Education Course in Social Sciences**	3		Fa, Sp, Su
		Total credits for semester		15	

	Course	Course Description	Credits	Prerequisites	Offered
Spring - Year 3	XXX 3XXX/4XXX	Upper Level Restricted Elective	3	see course description on Gulfline	Fa, Sp
	PHY 2054C	College Physics II with lab	4	PHY 2053C	Fa, Sp, Su
	XXX 3XXX/4XXX	Upper Level Restricted Microbiology Elective	3	see course description on Gulfline	Fa, Sp
	XXX 3XXX/4XXX	Upper Level Restricted Microbiology Elective	3	see course description on Gulfline	Fa, Sp
	XXX XXXX	Free General Elective	3	see course description on Gulfline	Fa, Sp
		Total credits for semester		16	

	Course	Course Description	Credits	Prerequisites	Offered
Fall - Year 4	BSC 4910C	Senior Project I: Research	2	ISC 3120C	Fa, Sp, Su
	IDS 3920	University Colloquium	3		Fa, Sp, Su
	XXX 3XXX/4XXX	Upper Level Restricted Microbiology Elective	3	see course description on Gulfline	Fa, Sp
	XXX 3XXX/4XXX	Upper Level Restricted Microbiology Elective	3	see course description on Gulfline	Fa, Sp
	XXX 3XXX/4XXX	Upper Level Restricted Elective	3	see course description on Gulfline	Fa, Sp
	XXX XXXX	Free General Elective	3	see course description on Gulfline	Fa, Sp
	Total credits for semester		17		

	Course	Course Description	Credits	Prerequisites	Offered
Spring - Year 4	BSC 4911	Senior Project II: Presentation	1	BSC 4910C	Fa, Sp
	XXX 3XXX/4XXX	Upper Level Restricted Microbiology Elective	3	see course description on Gulfline	Fa, Sp
	XXX XXXX	Free General Elective	2	see course description on Gulfline	Fa, Sp
	XXX 3XXX/4XXX	Upper Level Restricted Elective	3	see course description on Gulfline	Fa, Sp
	XXX XXXX	Free General Elective	3	see course description on Gulfline	Fa, Sp
	Total credits for semester		12		

Total Credits for Degree 120

Course Type

General Education
Common Prerequisites
Critical Course for the Major
Required in the Major
Required in the Concentration
Restricted Electives
University Requirement
General Electives

Note: FGCU requires that students who enter with fewer than 60 SCH must enroll in a minimum of 9 SCH 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.

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