

**BACHELOR OF SCIENCE IN BIOTECHNOLOGY\***

Fall - Year 1	Course	Course Description	Credits	Prerequisites	Offered
	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
	XXX XXXX	General Elective	3	see course description on Gulfline	Fa, Sp
	XXX XXXX	General Education Course in Social Sciences**	3		Fa, Sp, Su
<b>Total Credits for Semester</b>			<b>17</b>		

Spring - Year 1	Course	Course Description	Credits	Prerequisites	Offered
	BSC 1011/1011L	General Biology II with Lab	4		Fa, Sp, Su
	CHM 1046/1046L	General Chemistry II with Lab	4	CHM 1045C or (CHM 1045 and CHM 1045L)	Fa, Sp, Su
	ENC 1102	Composition II	3	ENC 1101	Fa, Sp, Su
	MAC 2311	Calculus I	4	MAC 1147 or MAC 2157 or ACU5 min. score of 087	Fa, Sp, Su
<b>Total Credits for Semester</b>			<b>15</b>		

Fall - Year 2	Course	Course Description	Credits	Prerequisites	Offered
	CHM 2210C or CHM 2210/2210L	Organic Chemistry I with Lab	4	CHM 1046C or (CHM 1046 and CHM 1046L)	Fa, Sp, Su
	PCB 3063C or PCB 3023C	Genetics or Cell Biology	4	BSC 1010C or (BSC 1010 and BSC 1010L) and BSC 1011C or (BSC 1011 and BSC 1011L) and CHM 1045C or (CHM 1045 and CHM 1045L) BSC 1010C or (BSC 1010 and BSC 1010L) and CHM 1046C or (CHM 1046 and CHM 1046L)	Fa, Sp 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
	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
	XXX XXXX	General Education Course in Humanities**	3		Fa, Sp, Su
<b>Total Credits for Semester</b>			<b>17</b>		

Spring - Year 2	Course	Course Description	Credits	Prerequisites	Offered
	CHM 2211C or 2211/2211L	Organic Chemistry II with Lab	4	CHM 2210C or (CHM 2210 and CHM 2210L)	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
	PCB 3063C or PCB 3023C	Genetics or Cell Biology	4	BSC 1010C or (BSC 1010 and BSC 1010L) and BSC 1011C or (BSC 1011 and BSC 1011L) and CHM 1045C or (CHM 1045 and CHM 1045L) BSC 1010C or (BSC 1010 and BSC 1010L) and CHM 1046C or (CHM 1046 and CHM 1046L)	Fa, Sp Fa, Sp
	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
<b>Total Credits for Semester</b>			<b>15</b>		

**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 will 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.fgcu.edu/cas/departments/biosciences/biotech/index.aspx>



**BACHELOR OF SCIENCE IN BIOTECHNOLOGY**

Fall - Year 3	Course	Course Description	Credits	Prerequisites	Offered
	BCH 3023C	Biochemistry with Lab	3	CHM 2211C or (CHM 2211 and CHM 2211L)	Fa, Sp
	IDS 3300	Foundations of Civic Engagement	3	ENC 1102	Fa, Sp, Su
	ISC 3120C	Scientific Process	3	(OCE 3008C or EVR 3002 or PCB 3063C or PCB 3023C or CHM 2211C or CHM 2211/L) and ( STA 2023 or STA 2122 or MAC 2311)	Fa, Sp, Su
	PHY 2053C	College Physics with Lab I	4	MAC 2311	Fa, Sp, Su
	XXX XXXX	General Education Course in Humanities **	3		Fa, Sp, Su
<b>Total Credits for Semester</b>			<b>16</b>		

Spring - Year 3	Course	Course Description	Credits	Prerequisites	Offered
	BSC 4422C	Methods in Biotechnology	3	PDB 3063C and BCH 3023C (or BCH 4033C)	Sp
	BSC 4905 or BSC 4941	Independent Research in Biotechnology or Internship in Biotechnology	2	Permission of Instructor  ISC 3120C and BSC 4422C	Fa, Sp, Su
	PHY 2054C	College Physics with Lab II	4	PHY 2053C	Fa, Sp, Su
	XXX 3XXX/4XXX	Upper Level Restricted Elective	1	see course description on Gulfline	Fa, Sp
	XXX 3XXX/4XXX	Upper Level Restricted Elective	3	see course description on Gulfline	Fa, Sp
<b>Total Credits for Semester</b>			<b>13</b>		

Fall - Year 4	Course	Course Description	Credits	Prerequisites	Offered
	BSC 4942C	Senior Project Research in Biotech	2	ISC 3120C and BSC 4422C	Fa, Sp, Su
	IDS 3920	University Colloquium	3		Fa, Sp, Su
	PCB 4522C	Molecular Genetics	3	BCH 3023C and PCB 3063C	Fa
	XXX 3XXX/4XXX	Upper Level Restricted Elective	3	see course description on Gulfline	Fa, Sp
	XXX 3XXX/4XXX	Upper Level Restricted Elective	3	see course description on Gulfline	Fa, Sp
<b>Total Credits for Semester</b>			<b>14</b>		

Spring - Year 4	Course	Course Description	Credits	Prerequisites	Offered
	BSC 4943	Senior Project Presentation in Biotech	1	BSC 4942C	Fa, Sp
	XXX 3XXX/4XXX	Upper Level Restricted 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	General Elective	3	see course description on Gulfline	Fa, Sp
	XXX XXXX	General Elective	3	see course description on Gulfline	Fa, Sp
<b>Total Credits for Semester</b>			<b>13</b>		

**Total credits for degree 120**

**Course Type**

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

**Note:** FGCU requires that students who enter with fewer than 60 SCH 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.

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