

**BA CHEMISTRY (39 - 43 CREDITS OF LOWER DIVISION Prerequisites, 23 - 27 CREDITS OF UPPER DIVISION major courses)**

**Complete all of the following: (31 credits)**

Course	Description	Units
CHM1045	Gen Chemistry I	3
CHM1045L	Gen Chem Lab I	1
CHM1046	Gen Chemistry II	3
CHM1046L	Gen Chem Lab II	1
CHM2210	Organic Chem I	4
CHM2210L	Org Chem Lab I	1
CHM2211	Organic Chem II	3
CHM2211L	Organic Chem Lab II	1
MAC2311	Calculus I	4
MAC2312	Calculus II	4
PHY2048L	General Phys Lab I	1
PHY2049L	General Phys Lab II	1
BSC 2010	General Biology I	3
BSC 2010L	General Biology Lab I	1

**Choose 1 course from the following: (4 credits)**

Course	Description	Units
PHY2048	Physics W/Calculus I	4
PHY2053	Physics W/Out Calculus I	4

**Choose 1 course from the following: (4 credits)**

Course	Description	Units
PHY2049	Physics W/Calc II	4
PHY2054	Physics W/Out Calculus II	4

**Complete all of the following: (16 credits)**

Course	Description	Units
CHM3120	Intro Analyt Chem	3
CHM3120L	Intr Analyt Chm Lab	1
CHM3400	Fund.Phys.Chm	3
CHM3400L	Fund.Phys.Chm.Lab	1
CHM4304	Biol Chemistry I	3
CHM4304L	Biol Chem I Lab	1
CHM4930	Senior Seminar	1
CHM or CHS 4XXX	4000 level Chem lecture	3

**Choose 2 lectures from the following: (6 credits)  
and 1 lab corresponding to one of the lectures selected (1 credit)**

Course	Description	Units
CHM3610	Fund Inorganic Chem	3
CHM4220	Adv Org Chem	3
CHM4230L	Structural Detrm Lab	1
CHM4300	Bio-Organic Chem	3
CHM4230L	Structural Detrm Lab	1
CHM4307	Biol Chemistry II	3
CHM4307L	Biol Chemistry II Lab	1
CHM4130	Instrumental Analysis	3
CHM4130L	Instrumental Analysis Lab	1

**Choose 1 course from the following: (3 credits) , and its corresponding lab (1 credit) - if available**

Course	Description	Units
BSC2011	General Biology II	3
BSC2011L	Gen Biology Lab II	1
CCJ2020	Criminal Justice	3
EVR3011	Evr Sci-Pollution	3
EVR3013	Ecology Of S. Fla	3
EVR3013L	Ecol S Fla Lab	1
EVR4211	Water Resources	3
EVR4211L	Water Resources Lab	1
EVR4231	Air Resources	3
EVR4310	Energy Resources	3
EVR4592	Soils & Ecosystems	3
EVR4592L	Soils & Ecosyst Lab	1
GLY3202	Earth Materials	3
GLY3202L	Earth Materials Lab	1
GLY4822	Intro Hydrogeology	3
OCE3014	Oceanography	3

**If Forensics track select:** CCJ 2020, CHM 4130, CHM 4130L and CHS 4XXX course with forensics emphasis

**If Biochemistry track select:** BSC 2010, BSC 2010L, CHM 4300 and CHM 4230L or CHM 4307 and CHM 4307L

**If Environmental Track select:** One env. related upper division course with lab, CHM 4130, CHM 4130L, and CHM 4XXX course with env. emphasis

**If Pre-Health interest select:** BSC 2010 and BSC 2010L

