

Degree: BS Bioinformatics
Freshman 4-Year Academic Roadmap

Year 1: Freshman Year								Year Total	30
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
CSE 2010 (GE B4)	Fall & Spring	☒	CSE 1250 or Consent	4	CSE 2020	Fall & Spring	☒	CSE 2010, Math 2720	4
Math 2210	Fall & Spring	☒	Math 1401 or sat. plcmnt	4	Math 2220	Fall & Spring	☒	Math 2210	4
Math 2720	Fall & Spring	☒	GE B3, sat by Math 2210	3	GE A1	Fall & Spring	☐		3
		☐			CHEM 2100		☐		
GE E	Fall & Spring			3	CHEM 2100L	Fall & Spring			5
	Fall & Spring	☐					☐		
Semester Total				14	Semester Total				16

Year 2: Sophomore Year					Year Total			34	
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
CHEM 2200	Fall & Spring	☒	CHEM 2100	5	BIOL 2020	Spring	☒	BIOL 2010	5
BIOL 2010	Fall & Spring	☐		5	CSE 4310	Spring	☒	CSE 2020, Math 2310	3
MATH 2310	Fall	☒	2220	4	GE B2	Fall & Spring	☐		3
GE A2	Fall & Spring	☐		3	GE C2.1	Fall & Spring	☐		3
		☐			GE A3 Critical Thinking		☐		3
Semester Total				17	Semester Total				17

Year 3: Junior Year					Year Total			31	
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
CSE 5000	Fall	☒	CSE 2020	3	CSE 5720	Spring	☒	CSE 2020	3
CSE 5160	Fall	☒	CSE 2020	3	CHEM 2400	Spring	☒	CHEM 2200	4
MATH 2265	Fall	☒	MATH 2210	3	GE C1	Spring	☐		3
D1 American Gov	Fall & Spring	☐		3	D2 US History	Fall & Spring	☐		3
GE C2.2	Fall & Spring	☐		3	GE D3 American C	Fall & Spring	☐		3
Semester Total				15	Semester Total				16

Year 4: Senior Year					Year Total			25	
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
CSE 5500	Fall	☒	CSE 2020, CSE 2130	3	CSE 4880	Spring	☒	Senior standing	3
BIOL 3120	Fall	☒	BIOL 2020	4	CSE 5510	Spring	☒	CSE 5500	3
GE C2.3	Fall & Spring	☐		3	CHEM 4100	Fall & Spring	☒	CHEM 2400	3
GE B upper division	Fall & Spring	☐		3	GE D4 upper div	Fall & Spring	☐		3
		☐					☐		
Semester Total				13	Semester Total				12
					Degree Units Total				120