

Degree: BS Bioinformatics
Freshman 4-Year Academic Roadmap

Year 1: Freshman Year

Fall	Term(s)	Pre-req	Pre-req Courses	Units
CSE 2010	Fall & Spring	TRUE	CSE 1250 or Consent	4
Math 2210	Fall & Spring	TRUE	Math 1401 or sat. plcmnt	4
Math 2372		TRUE	GE B3, sat by Math 2210	3
GE E		FALSE		3
Semester Total				14

Year 2: Sophomore Year

Fall	Term(s)	Pre-req	Pre-req Courses	Units
CHEM 2200	Fall & Spring	TRUE	CHEM 2100	5
BIOL 2010	Fall & Spring	FALSE		5
MATH 2310	Fall	TRUE	MATH 2210 and MATH 2220	4
GE A2	Fall & Spring	FALSE		3
Semester Total				17

Year 3: Junior Year

Fall	Term(s)	Pre-req	Pre-req Courses	Units
CSE 5000	Fall & Spring	TRUE	CSE 2020	3
CSE 5160	Fall & Spring	TRUE	CSE 2020	3
MATH 2265	Fall & Spring	TRUE	MATH 2210	3
D1 American Gov		FALSE		3
GE C2.2		FALSE		3
Semester Total				15

Year 4: Senior Year

Fall	Term(s)	Pre-req	Pre-req Courses	Units
CSE 5500	Fall	TRUE	CSE 2020, CSE 2130	3
BIOL 3120	Fall	TRUE	BIOL 2020	4
GE C2.3	Fall & Spring	FALSE		3
GE B upper division	Fall & Spring	FALSE		3
Semester Total				13

Degree Units

Spring	Term(s)	Pre-req	Pre-req Courses	Units
CSE 2020	Fall & Spring	TRUE	CSE 2010, Math 2372	4
Math 2220	Fall & Spring	TRUE	Math 2210	4
GE A1	Fall & Spring	FALSE		3
CHEM 2100 or 2100L	Fall & Spring	FALSE		5
Semester Total				16

Spring	Term(s)	Pre-req	Pre-req Courses	Units
BIOL 2020	Spring	TRUE	BIOL 2010	5
CSE 4310	Spring	TRUE	CSE 2020, Math 2310	3
GE B2	Fall & Spring	FALSE		3
GE C2.1	Fall & Spring	FALSE		3
GE A3 Critical Thinking	Fall & Spring	FALSE		3
Semester Total				17

Spring	Term(s)	Pre-req	Pre-req Courses	Units
CSE 5720	Spring	TRUE	CSE 2020	3
CHEM 2400	Spring	TRUE	CHEM 2200	4
GE C1	Spring	FALSE		3
D2 US History	Fall & Spring	FALSE		3
GE D3 American Gov	Fall & Spring	FALSE		3
Semester Total				16

Spring	Term(s)	Pre-req	Pre-req Courses	Units
CSE 4880	Spring	TRUE	Senior standing	3
CSE 5510	Spring	TRUE	CSE 5500	3
CHEM 4100	Fall & Spring	TRUE	CHEM 2400	3
GE D4 upper div	Fall & Spring	FALSE		3
Semester Total				12

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