



# CURRICULUM GUIDE WORKSHEET

## Computer Science – Data Science - Biology

Bachelor of Science - 42 hrs

Name: \_\_\_\_\_

Catalogue Year: \_\_\_\_\_

Minor: \_\_\_\_\_

### Freshman (Fall)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> CSC 115	Introduction to Computer Science	3	_____
<input type="checkbox"/> MAT 211	Calculus and Analytic Geometry I	4	_____
<input type="checkbox"/> CHR 111	Old Testament Survey	3	_____
<input type="checkbox"/> ENG 111	Written Composition I	3	_____
<input type="checkbox"/> COM 112 or 235	Public or Interpersonal Communications	3	_____
		<b>16</b>	

Review Registration on Student Planning / Self-Service

### Freshman (Spring)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> BIO 112	Principles of Biology	4	_____
<input type="checkbox"/> CSC 125	Programming in Python	3	_____
<input type="checkbox"/> MAT 205 or 208	Discrete Mathematics or Statistics	3	_____
<input type="checkbox"/> ENG 112	Written Composition II	3	_____
<input type="checkbox"/> CHR 112	New Testament Survey	3	_____
		<b>16</b>	

### Sophomore (Fall)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> BIO 210	Zoology	4	_____
<input type="checkbox"/> MAT 209	Matrix Algebra	3	_____
<input type="checkbox"/> ENG 201 or 202	World Literature I or II	3	_____
<input type="checkbox"/> HIS 101	World Civilization to the 18 <sup>th</sup> Century	3	_____
<input type="checkbox"/> General Core <sup>1</sup>	Social Science Core	3	_____
		<b>16</b>	

Declare minor with Dean, Arts & Sciences (optional)

### Sophomore (Spring)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> BIO 211	Microbiology	4	_____
<input type="checkbox"/> MAT 208 or 205	Statistics or Discrete Mathematics	3	_____
<input type="checkbox"/> CSC 247	Data Analytics	3	_____
<input type="checkbox"/> HIS 102	World Civilization from 18 <sup>th</sup> Century	3	_____
<input type="checkbox"/> TBD	2 <sup>nd</sup> Major / Minor / Elective	3	_____
		<b>16</b>	

<sup>1</sup> Choose one: PSY213, SOC 211, PHL 240, PSC 211, HON 210, ECF 211 or 212

### Junior (Fall)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> MAT 305 <sup>2</sup>	Statistical Methods	3	_____
<input type="checkbox"/> BIO 329 <sup>3</sup> /Elective	Environmental GIS/Elective	4	_____
<input type="checkbox"/> CSC 337	Data Visualization	3	_____
<input type="checkbox"/> ART 210	Arts in Western Civilization	3	_____
<input type="checkbox"/> TBD	2 <sup>nd</sup> Major / Minor / Elective	3	_____
		<b>16</b>	

Apply for Junior Audit after completing 72 credit hours

### Junior (Spring)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> BIO 304	Experimental Design & Biostatistics	4	_____
<input type="checkbox"/> CSC 410	AI & Machine Learning	3	_____
<input type="checkbox"/> PSY/SOC	PSY or SOC Elective (Additional Program Requirements)	3	_____
<input type="checkbox"/> TBD	2 <sup>nd</sup> Major / Minor / Elective	3	_____
<input type="checkbox"/> TBD	2 <sup>nd</sup> Major / Minor / Elective	3	_____
		<b>16</b>	

### Junior (Summer) Optional

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> TBD	Internship (Optional)	1-3	_____

### Senior (Fall)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> MAT 305 <sup>2</sup>	Statistical Methods	3	_____
<input type="checkbox"/> BIO 329 <sup>3</sup> /Elective	Environmental GIS/Elective	4	_____
<input type="checkbox"/> CSC 437	Data Security & Privacy	3	_____
<input type="checkbox"/> CSC 498/MAT 498	Seminar	2	_____
<input type="checkbox"/> CHE/PHY <sup>4</sup>	Chemistry/Physics Core	4	_____
		<b>16</b>	

Apply for Graduation

### Senior (Spring)

<input checked="" type="checkbox"/> Course Prefix	Course Name	Credits	Notes
<input type="checkbox"/> BIO 397	Special Studies in Cell & Molecular Biology	3	_____
<input type="checkbox"/> PEWS 100	Fitness for Health	1	_____
<input type="checkbox"/> PSY/SOC	PSY or SOC Elective (Additional Program Requirements)	3	_____
<input type="checkbox"/> TBD	2 <sup>nd</sup> Major / Minor / Elective	3	_____
<input type="checkbox"/> TBD	2 <sup>nd</sup> Major / Minor / Elective	3	_____
		<b>13</b>	

\*A minimum of 36 upper-level (300 and 400 level) hours is required. The degree must meet a minimum of 120 hours.

<sup>2</sup> Offered alternating years.

<sup>3</sup> Offered Fall – Odd Years

<sup>4</sup> Choose one: PHY 111, PHY 213, CHE 105, CHE 111