

# Cell and Molecular Biology B.S.

4- Year Plan of Study

Items marked with a ☒ are critical for the student to remain on track for graduation.

## Notes

The Plan of Study is a static review of the degree. Connect with your major advisor for a personalized path toward graduation.

### Potential Entry Level Job Titles:

Biologist ◦ Biochemist ◦ Microbiologist ◦ Medical Scientist ◦ Chemist ◦ Biological Technician ◦ Chemical Technician ◦  
Researcher/Research Associate ◦ Laboratory Technologist/Biotechnology

### Potential Entry Level Salary Range:

\$40,000 - \$60,000

## Semester 1 - Fall

Crit	Course/Requirement	Credits
<input type="checkbox"/>	ENC 1101 - Composition I	3
<input checked="" type="checkbox"/>	CHM 2045 - General Chemistry I	3
<input type="checkbox"/>	CHM 2045L - General Chemistry I Laboratory	1
<input type="checkbox"/>	MAC 2311 <b>OR</b> MAC 2241	4
<input type="checkbox"/>	Gen-Ed State Humanities (SGEH)	3
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

## Semester 2 - Spring

Crit	Course/Requirement	Credits
<input checked="" type="checkbox"/>	BSC 2010 - Biology I Cellular Processes	3
<input checked="" type="checkbox"/>	BSC 2010L - Cellular Processes Laboratory	1
<input checked="" type="checkbox"/>	CHM 2046 - General Chemistry II	3
<input type="checkbox"/>	CHM 2046L - General Chemistry II Laboratory	1
<input type="checkbox"/>	ENC 1102 - Composition II	3
<input type="checkbox"/>	General/Unrestricted Elective	3
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 3 - Summer		
Crit	Course/Requirement	Credits
<input checked="" type="checkbox"/>	BSC 2011 - Biodiversity	3
<input checked="" type="checkbox"/>	BSC 2011L - Biodiversity Laboratory	1
<input type="checkbox"/>	Gen-Ed USF Humanities (UGEH)	3
<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 4 - Fall		
Crit	Course/Requirement	Credits
<input type="checkbox"/>	CHM 2210 - Organic Chemistry I	3
<input type="checkbox"/>	CHM 2210L - Organic Chemistry Laboratory I	2
<input type="checkbox"/>	STA 2023 - Introductory Statistics I	3
<input type="checkbox"/>	Gen-Ed USF Social Sciences (UGES)	3
<input type="checkbox"/>	General/Unrestricted Elective	3
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 5 - Spring		
Crit	Course/Requirement	Credits
<input type="checkbox"/>	AMH 2010 <b>OR</b> AMH 2020 <b>OR</b> POS 2041 (SCIV/SGES)	3
<input type="checkbox"/>	CHM 2211 - Organic Chemistry II	3
<input type="checkbox"/>	CHM 2211L - Organic Chemistry Laboratory II	2
<input checked="" type="checkbox"/>	PCB 3063 - General Genetics	3
<input type="checkbox"/>	PCB 3063L - General Genetics Laboratory	1
<input type="checkbox"/>	General/Unrestricted Elective	3
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 6 - Summer		
Crit	Course/Requirement	Credits
<input type="checkbox"/>	General/Unrestricted Elective	3
<input type="checkbox"/>	General/Unrestricted Elective	3
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 7 - Fall		
Crit	Course/Requirement	Credits
<input checked="" type="checkbox"/>	MCB 3410 - Cell Metabolism	3
<input checked="" type="checkbox"/>	PCB 3023 - Cell Biology	3
<input type="checkbox"/>	PCB 3023L - Cell Biology Laboratory	1
<input type="checkbox"/>	PHY 2053 - General Physics I	3
<input type="checkbox"/>	PHY 2053L - General Physics I Laboratory	1
<input type="checkbox"/>	3000/4000 Elective	3
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 8 - Spring		
Crit	Course/Requirement	Credits
<input type="checkbox"/>	PCB 4024 - Molecular Biology of the Cell	3
<input type="checkbox"/>	PHY 2054 - General Physics II	3
<input type="checkbox"/>	PHY 2054L - General Physics II Laboratory	1
<input type="checkbox"/>	General/Unrestricted Elective	2
<input type="checkbox"/>	Major Elective	3
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 9 - Summer		
Crit	Course/Requirement	Credits
<input type="checkbox"/>	Consider pursuing an Education Abroad, Internship, Community Engagement, or Research Experience in the Summer term.	0
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 10 - Fall		
Crit	Course/Requirement	Credits
<input type="checkbox"/>	PCB 4026 <b>OR</b> PCB 4109	3
<input type="checkbox"/>	3000/4000 Elective	3
<input type="checkbox"/>	3000/4000 Elective	3
<input type="checkbox"/>	Major Elective	3
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

Semester 11 - Spring		
Crit	Course/Requirement	Credits
<input type="checkbox"/>	3000/4000 Elective	3
<input type="checkbox"/>	Major Elective	3
<input type="checkbox"/>	Major Elective	3
<input type="checkbox"/>	Major Elective	3
<input type="checkbox"/>	Apply for Graduation	0
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		