



COLLEGE OF ARTS & SCIENCES

BACHELOR OF SCIENCE: CELL & MOLECULAR BIOLOGY

YEAR 1 FALL

ENC 1101
 MAC 2311*
 CHM X045 with Lab*
 State Core Humanities

3
 4-5
 4
 3

YEAR 1 SPRING

CHM X046 with Lab
 MAC 2312 or STA 2023
 State Core Social Science
 General Education/Elective

4
 3-5
 3
 3

TOTAL: 14-15

TOTAL: 13-15

YEAR 2 FALL

CHM X210 with Lab
 BSC X010 with Lab
 General Education/Elective
 General Education/Elective
 General Education/Elective

4-5
 4
 3
 3
 3

YEAR 2 SPRING

CHM X211 with Lab
 BSC X011 with Lab
 General Education/Elective
 General Education/Elective
 General Education/Elective

4-5
 4
 3
 3
 3

TOTAL: 17-18

TOTAL: 17-18

*These classes may have prerequisites that must be taken before. Check with your Academic Advisor.

YEAR 3 FALL USE

PCB 3063/L General Genetics with Lab
 PHY 2053/L General Physics with Lab**
 Upper Level Elective
 Upper Level Elective

4
 4
 3
 3

YEAR 3 SPRING USE

PCB 3023/L Cell Biology with Lab
 PHY 2054/L General Physics II with Lab**
 MCB 3410 Cell Metabolism
 Upper Level Elective

4
 4
 3
 3

TOTAL: 14

TOTAL: 14

YEAR 4 FALL USE

PCB 4024 Molecular Biology of the Cell**
 PCB 4663 Human Genetics**
 MCB 3020/L Microbiology with Lab**
 BCH 3053 Biochemistry**
 General Elective

3
 3
 4
 3
 3

YEAR 4 SPRING USE

PCB 4026 Molecular Biology of the Gene**
 PCB 4744 Biomedical Physiology**
 ZOO 4753 Human Histology & Histopathology**
 General Elective
 General Elective

3
 3
 3
 3
 3

TOTAL: 16

TOTAL: 15

**Other course options may be possible. Consult a USF Academic Advisor to determine the most suitable option for student specific goals.

The following is additional information for the Cell & Molecular Biology major:

- If all pre-requisite courses outlined in the first two years are not completed before transferring to USF students may not meet [admissions criteria](#) to be eligible for admission in the major.
- Cell and Molecular biology is available at Tampa campus only.
- Students who accumulate 3 D and/or F grades in applicable USF science and math coursework for their major will be required to change their major to a major more appropriate to their goals and academic performance, and to a major that is not conferred by the Department of Chemistry, Department of Integrative Biology or Department of Cell Biology, Microbiology, and Molecular Biology. Grade Forgiveness will NOT apply to the mandated requirement of changing majors. If a student is in violation of the D/F policy, regardless of major, they will no longer be able to take any courses offered by the Department of Chemistry, Department of Integrative Biology or Department of Cell Biology, Microbiology, and Molecular Biology.
- Major GPA of 2.0 required for graduation.
- Foreign language entrance requirement (FLENT)- must come in with 2 years of consecutive language from high school or 2 semesters of language taken with AA or a language will need to be added to the above plan.

Career Opportunity Links:

[Occupational Outlook Handbook](#) | [O*NET](#) | [Major Possibilities](#)

For more information about transferring into a science major at USF students can contact SciFYE@usf.edu

For general transfer advising inquiries please contact transfer-advising@usf.edu

