



COLLEGE OF ARTS & SCIENCES

BACHELOR OF SCIENCE: CELL AND MOLECULAR BIOLOGY

FCS A.A. Graduation Plan

YEAR 1 FALL

ENC 1101 English Composition I	3
+MAC 2311 Calculus*	4-5
+CHM X045 with Lab*	4
State Core Humanities	3

TOTAL: 14-15

YEAR 1 SPRING

+CHM X046 with Lab	4
+MAC 2312 or STA 2023*	3-5
State Core Social Science	3
General Education/Elective	3

TOTAL: 13-15

YEAR 2 FALL

CHM X210 with Lab	4-5
+BSC X010 with Lab	4
General Education/Elective	3
General Education/Elective	3
General Education/Elective	3

TOTAL: 17-18

YEAR 2 SPRING

CHM X211 with Lab	4-5
+BSC X011 with Lab	4
General Education/Elective	3
General Education/Elective	3
General Education/Elective	3

TOTAL: 17-18

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

USF B.S. Graduation Plan

YEAR 3 FALL USF

PCB 3063/L General Genetics with Lab	4
PHY 2053/L General Physics I with Lab	4
Upper Level Elective	3
Upper Level Elective	3

TOTAL: 14

YEAR 3 SPRING USF

PCB 3023/L Cell Biology with Lab	4
PHY 2054/L General Physics II with Lab	4
MCB 3410 Cell Metabolism	3
Upper Level Elective	3

TOTAL: 14

YEAR 4 FALL USF

PCB 4024 Molecular Biology of the Cell	3
Cell and Molecular Biology Elective	3
Cell and Molecular Biology Elective	3
Cell and Molecular Biology Elective	3
General Elective	4

TOTAL: 16

YEAR 4 SPRING USF

PCB 4026 Molecular Biology of the Gene**	3
Cell and Molecular Biology Elective	3
Cell and Molecular Biology Elective	3
Upper Level Elective	3
General Elective (if needed)	3

TOTAL: 12-15

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

TOTAL CREDITS FOR A.A./B.S. CELL AND MOLECULAR BIOLOGY DEGREE: 120

The following is additional information for the Marine 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. Courses to meet admissions criteria listed with + in first two years.
- 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, Department of Molecular Biosciences, or Department of Physics. 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, Department of Molecular Biosciences, or Department of Physics.
- 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

