



**COLLEGE OF ARTS & SCIENCES**  
 ASSOCIATE OF SCIENCE: BIOTECHNOLOGY  
 BACHELOR OF SCIENCE: BIOLOGY  
 CONCENTRATION: MEDICAL BIOLOGY

FCS A.S. Graduation Plan

**YEAR 1 FALL**

ENC 1101 English Composition I	3
+MAC 2311 Calculus* or MAC 2233C*	4-5
+CHM X045 with Lab*	4
+BSC X010 with Lab	4

**TOTAL: 15-16**

**YEAR 1 SPRING**

BSC 2420/L Biotechnology I with Lab	5
MCB 2000/L Microbiology with Lab	4
+CHM X046 with Lab	4
+BSC X011 with Lab	4

**TOTAL: 17**

**YEAR 2 FALL**

CHM X210 with Lab	4-5
PHI 1010 Intro to Philosophy	3
BSC 2427/L Biotechnology II with Lab	5
BSC 2435C Bioinformatics	3

**TOTAL: 15-16**

**YEAR 2 SPRING**

CHM X211 with Lab	4-5
AMH 2020 or POS 2041	3
BSC 2419C Plant and Animal Cell Culture	3
+STA 2023 Elementary Statistics*	3

**TOTAL: 13-14**

\*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
ENC 1102 Composition II	3
Upper Level Creative Thinking Gen Ed	3
Upper Level Cultural Diversity	3

**TOTAL: 13**

**YEAR 3 SPRING USF**

PCB 3043/L Principles of Ecology with Lab	4
BSC 4851 Biology of Film	3
Upper Level Info and Data Literacy	3
Upper-level Elective	3
General Elective (if needed)	3

**TOTAL: 13-16**

**YEAR 4 FALL USF**

PHY 2053/L General Physics I with Lab	4
BOT 3850 Medical Botany	3
Concentration Core Elective	4
Concentration Restrictive Elective	3

**TOTAL: 14**

**YEAR 4 SPRING USF**

PHY 2054/L General Physics II with Lab	4
PCB 4674 Organic Evolution	3
General Elective	3
Concentration Core Elective	4
Upper Level Elective	3

**TOTAL: 17**

**TOTAL CREDITS FOR A.S. BIOTECHNOLOGY/B.S. BIOLOGY DEGREE: 120**

### The following is additional information for the Biology major:

- A minimum 2.3 GPA is required for the A.S. degree in Biotechnology to be admitted to USF's biology program.
- 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.
- Biology is available at all USF campuses
- This major is a great option for those students who want to pursue a health profession school after graduation such as medical school, veterinary school, dental school, physical therapy school, physician assistant, etc.
- 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 AS 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](mailto:SciFYE@usf.edu)

For general transfer advising inquiries please contact [transfer-advising@usf.edu](mailto:transfer-advising@usf.edu)

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