

This Associate in Arts degree program includes courses required for those students who expect to transfer and earn a bachelor's degree in the College of Agriculture at the University of Florida.

This major is designed to develop fundamental knowledge of bacteria, plant, and animal cells and viruses. It provides a background for pursuing graduate work in microbiology, cell biology, or biochemistry, as well as other areas of agricultural sciences. It also provides a background necessary for work in research or diagnostic labs, both governmental and industrial. In addition, the curriculum provides a background for entry into the professions of dentistry, medicine, and veterinary medicine. For additional program information, visit the [UF website](#) and [academic map](#).

Possible career options in agriculture include high school ag or biology teacher, county agent, ag equipment sales, ag engineering, environmental systems manager, land and water manager, forest resource manager, horticulturist, wildlife manager, and pre-professional preparation for the colleges of medicine, dentistry, pharmacy, and veterinary sciences. For more information, please visit the [Occupational Outlook Handbook website](#).

While academic advisors, faculty and staff provide significant academic planning and related assistance to students, completion of all degree requirements, and the process of monitoring progress to that end, is ultimately the responsibility of the student.

ACADEMIC PLAN: Associate in Arts Degree

Microbiology & Cell Science - College of Agriculture Transfer Institution: University of Florida

Code 1015

Program Length 60 credits

2020-2021

For more information
Contact:
Student Affairs
Chipola College
(850) 718-2266



Entrance Requirements

A 2.0 overall GPA with a minimum 2.5 GPA in all tracking courses is required, with no grade lower than "C." All attempts on tracking courses except "W's" are used to compute the 2.5 GPA; grade of "C" must be attained within two (2) attempts. Admission Deadlines: Check UF website.

This academic plan is for Microbiology & Cell Science in the College of Agriculture & Life Sciences.

All first time in college (Fall 2014 and beyond) students are required to successfully complete two years of the same foreign language in high school or two semesters of the same foreign language at the college level before the associate degree is awarded. Home School students must demonstrate competency through competency testing.

PHY 1053C/1053L & PHY 1054C/1054L, if not already completed, are also required during the junior year at UF; they may be taken at Chipola prior to transfer. UF recommends that both PHY's be taken at the same institution (both at Chipola or both at UF).

FRESHMAN YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
ENC 1101 ¹	English Composition I	3	ENC 1102 ¹	English Composition II	3
CHM 1045 & 1045L ²	General Chemistry I with Lab	4	CHM 1046 & 1046L ²	General Chemistry II with Lab	4
MAC 1114 & MAC 1140	Trigonometry & Precalculus Algebra	6	MAC 1311 ^{2,3}	Calculus and Analytic Geometry I	4
SLS 1401	Career and Life Planning	1	SPC 2608	Effective Public Speaking	3
SLS 1101	Orientation	1	XXX XXXX ¹	HUMANITIES CORE	3
TOTAL		15	TOTAL		17

SOPHOMORE YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
XXX XXXX ¹	GORDON RULE WRITING	3	ENC 2210 ¹	Technical Writing	3
CHM 2210 & 2210L ²	Organic Chemistry I with Lab	5	CHM 2211 & 2211L	Organic Chemistry II with Lab	5
BSC 2010 & 2010L ²	Int. Principles of Biology I with Lab	4	BSC 2011 & 2011L ²	Int. Principles of Biology II with Lab	4
STA 2023 ³	Introduction to Statistics	3	AMH2020	American History since 1865	
ECO 2013 or ECO 2023	Macroeconomics or Microeconomics	3	or POS2041 ^{1,5}	American Federal Government	3
TOTAL		18	TOTAL		14

¹ See General Education Requirements in the Current Chipola College Catalog. **ENC 2210 is required for this major.**

² UF critical tracking courses.

³ Additional calculus courses may be required, depending on graduate school.

⁴ If you have completed STA 2122, you have met this requirement. You cannot receive credit for both STA 2122 and STA 2023.

⁵ **All first-time-in-college students (Fall 2018 and beyond) are required to demonstrate competency in civic literacy through one of the following options:**

1) successfully passing either POS 2041 American Federal Government or AMH 2020 American History Since 1865, or 2) achieving the standard score on AP Government and Politics: United States, AP United States History or CLEP: American Government.