

A.A. Transfer Program Map: Pre-Biology



**Academic
& Career
Pathways**
Florida SouthWestern State College

SCIENCE, ENGINEERING & MATH PATHWAY
ASSOCIATE IN ARTS DEGREE (A.A.):

PRE-BIOLOGY

CATALOG YEAR 2025-2026

Suggested Course Sequence

This map is designed for students planning to transition to a Bachelor's Degree in the Florida State College or State University System after completing an AA degree. This plan includes common required prerequisites and recommended courses for success in the program. Classes with the symbol help you explore this career pathway to see if it's right for you!



Get to graduation sooner!

Take the AAF Math Placement Test at FSW Testing to see if you qualify for a fast track through your math courses!

Sample Questions:



Schedule Your Test:



Semester 1

Course		Credits	Notes
ENC 1101*	COMPOSITION I	3	
MAT 1033	INTERMEDIATE ALGEBRA	4	MUST EARN A FOR MAC 1106
CHM 2025	INTRO TO COLLEGE CHEMISTRY	3	SEE ADVISOR IF YOU COMPLETED ONE YEAR OF HIGH SCHOOL CHEMISTRY
CHM 2025L	INTRO TO COLLEGE CHEM LAB	1	
SLS 1515	CORNERSTONE EXPERIENCE	3	
Total Semester Credits:		14	

Semester 2

Course		Credits	Notes
ENC 1102*	COMPOSITION II	3	
MAC 1106	COMB COLL ALG PRE-CALC	4	IF LESS THAN A IN MAT 1033, TAKE MAC 1105
BSC 1010	GENERAL BIOLOGY I	3	
BSC 1010L	GENERAL BIOLOGY I LAB	1	
CHM 2045	GENERAL CHEMISTRY I	3	
CHM 2045L	GENERAL CHEMISTRY I LAB	1	
Total Semester Credits:		15	

Semester 3

Course		Credits	Notes
MAC 1114	TRIGONOMETRY	4	IF MAC 1105 IN SEM 2, TAKE MAC 1114 + MAC 1140
BSC 1011	GENERAL BIOLOGY II	3	
BSC 1011L	GENERAL BIOLOGY II LAB	1	
Total Semester Credits:		8	

Total Academic Year Credits: 37

Semester 4

Course		Credits	Notes
MAC 2311	CALC W/ANALYTIC GEOMETRY I	4	
CHM 2046	GENERAL CHEMISTRY II	3	
CHM 2046L	GENERAL CHEMISTRY II LAB	1	
SOCIAL SCI. / CIVIC LIT.	CHOOSE AMH 2010, AMH 2020, OR POS 2041	3	
HUMANITIES*	ANY WRIT. INTENS. CORE HUMANITIES	3	CHOOSE HUM 2020, LIT 2000, OR PHI 2010
Total Semester Credits:		14	



SCIENCE, ENGINEERING, & MATH PATHWAY
ASSOCIATE IN ARTS DEGREE (A.A.):
BIOLOGY



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Suggested Course Sequence

Semester 5			
Course		Credits	Notes
CHM 2210	ORGANIC CHEMISTRY I	4	ALTERNATE: PHY 2053 OR PHY 2048 ‡
CHM 2210L	ORGANIC CHEMISTRY I LAB	1	ALTERNATE: PHY 2053L OR PHY 2048L ‡
STA 2023	STATISTICAL METHODS I	3	ALTERNATE: MAC 2312 (4 CR)
SOCIAL SCIENCE	ANY GEN. ED. SOCIAL SCIENCE	3	
IDS 2891	CREATIVE CAPSTONE	3	
Total Semester Credits:		15	
Semester 6			
Course		Credits	Notes
CHM 2211	ORGANIC CHEMISTRY II	4	ALTERNATE: PHY 2054 OR PHY 2049 ‡
CHM 2211L	ORGANIC CHEMISTRY II LAB	1	ALTERNATE: PHY 2054L OR PHY 2049L ‡
HUMANITIES*	ANY WRITING INTENS. HUMANITIES	3	
‡ Some Bachelor's degree programs require completion of both the Organic Chemistry and Physics sequences to graduate. Depending on school requirements, AA Students may choose to complete either sequence, or both at FSW prior to transferring. Discuss this requirement with your Advisor.			
Total Semester Credits:		8	
Total Academic Year Credits:		37	
Overall Credits:		74	

‡ Some Bachelor's degree programs require completion of both the Organic Chemistry and Physics sequences to graduate. Depending on school requirements, AA Students may choose to complete either sequence, or both at FSW prior to transferring. Discuss this requirement with your Advisor.

- Students must meet the Core, *Writing Intensive, Civic Literacy, Foreign Language, and College requirements defined in the College Catalog.
- It is recommended for students to check with their transfer institution regarding the transferability of major-specific coursework.
- Classes not listed here may be used to satisfy AA degree requirements. However, there are prerequisite courses required for specific programs at every Florida public college and university.
- To maintain timely graduation, it is highly recommended that you complete all common prerequisite course work prior to being admitted into a Bachelor's degree program. Some institutions may require that all prerequisites be completed before acceptance into the major.
- Your Student Success Advisor can help you make a personalized plan. www.fsw.edu/advising

Updated 3/25

A.A. Degree Transfer Worksheet: Pre-Biology

CATALOG YEAR 2025-2026



**SCIENCE, ENGINEERING &
MATH PATHWAY**



Use this worksheet to plan ahead and keep track of courses you have taken, as you progress through your A.A. degree and prepare to transition to a Bachelor's Degree. This checklist also includes example modifications for popular transfer schools. ****NOTE: Prerequisites and transfer requirements can change without notice. Always confirm with your advisor and your intended school. Classes with the ☹ symbol help you explore this career pathway to see if it's right for you!**

Common Pre-Requisites & FSW Recommended Courses		Credits	Semester	Example Transfer Requirements**			
				Florida Gulf Coast University	University of Florida	University of South Florida	Other Transfer School:
FSW Cornerstone Experience and Creative Capstone							
SLS 1515	CORNERSTONE EXPERIENCE	3		X	X	X	X
IDS 2891	CREATIVE CAPSTONE	3		X	X	X	X
Communication							
ENC 1101*	COMPOSITION I	3		X	X	X	
ENC 1102*	COMPOSITION II	3		X	X	X	
Humanities							
HUMANITIES*	ANY WRITING INTENS. CORE HUMANITIES	3		X	X	X	
HUMANITIES*	ANY WRITING INTENS. HUMANITIES	3		X	X	X	
Social Science							
CIVIC LIT.	CHOOSE AMH 2010, AMH 2020, OR POS 2041	3		X	X	X	
SOCIAL SCI.	ANY GEN. ED. SOCIAL SCIENCE	3		X	X	X	
Mathematics							
MAC 1106	COMB COLL ALG PRE-CALC	4		X	X	X	
MAC 1114	TRIGONOMETRY	4		X	X	X	
Natural Science							
BSC 1010 ☹	GENERAL BIOLOGY I	3		X	X	X	
BSC 1010L ☹	GENERAL BIOLOGY I LAB	1		X	X	X	
BSC 1011	GENERAL BIOLOGY II	3		X	X	X	
BSC 1011L	GENERAL BIOLOGY II LAB	1		X	X	X	
Electives / Gen. Ed. Flex							
Note regarding Organic Chemistry and Physics: Pre-requisite and graduation requirements vary among schools. See the notes below each school and work closely with your Advisor to select the correct courses.‡							
CHM 2025 ☹	INTRO TO COLLEGE CHEMISTRY (SEE ADVISOR)	3		Any Gen. Ed. course	Any Gen. Ed. course	Any Gen. Ed. course	
CHM 2025L ☹	INTRO TO COLLEGE CHEM LAB (SEE ADVISOR)	1					
CHM 2045	GENERAL CHEMISTRY I	3		X	X	X	
CHM 2045L	GENERAL CHEMISTRY I LAB	1		X	X	X	
CHM 2046	GENERAL CHEMISTRY II	3		X	X	X	
CHM 2046L	GENERAL CHEMISTRY II LAB	1		X	X	X	
CHM 2210	ORGANIC CHEMISTRY I	4		‡	‡	‡	
CHM 2210L	ORGANIC CHEMISTRY I LAB	1		‡	‡	‡	
CHM 2211	ORGANIC CHEMISTRY II	4		‡	‡	‡	
CHM 2211L	ORGANIC CHEMISTRY II LAB	1		‡	‡	‡	
PHY 2048	GENERAL PHYSICS I (OR PHY 2053)	4		‡	‡	‡	
PHY 2048L	GENERAL PHYSICS I LAB (OR PHY 2053L)	1		‡	‡	‡	
PHY 2049	GENERAL PHYSICS II (OR PHY 2054)	4		‡	‡	‡	
PHY 2049L	GENERAL PHYSICS II LAB (OR PHY 2054L)	1		‡	‡	‡	
MAC 2311	CALC W/ANALYTIC GEOMETRY I	4		X	X††	X	
STA 2023	STATISTICAL METHODS I (OR MAC 2312)	3 (OR 4)		X	X††	X	
Foreign Language, Dual Enrollment, and Other Requirements (If Needed)							
ENC 1130†	IMPROVING COL. WRITING (COUNTS AS ELECTIVE)	3		Notes:	Notes:	Notes:	Notes:
MAT 0057†	MATH FOR COL. SUCCESS (DEVELOPMENTAL: DOES NOT COUNT AS ELECTIVE OR MATH)	4		This plan is mapped against FGCU's Biology B.S. degree.	This plan is mapped against UF's Biology B.S. degree. Consult UF Catalog as biology track requirements differ by specialty.	This plan is mapped against USF's Biology B.S. degree.	
MAT 1033†	INTERMEDIATE ALGEBRA (MUST EARN A TO AVOID EXTRA PRE-REQS) (COUNTS AS ELECTIVE)	4		‡ Students must complete both the Organic Chemistry and Physics sequences to graduate from FGCU's B.S. degree program. AA Students may choose to complete either sequence, or both at FSW.	‡ Students must complete both the Organic Chemistry and Physics sequences to graduate from UF's B.S. program. However, students are not required to complete these sequences as pre-requisites for admission. AA students may choose whether to (A) skip the sequences at FSW and complete them later at UF, (B) complete part of them at FSW and the remainder at UF, or (C) complete the sequences at FSW prior to transferring.	‡ Students must complete both the Organic Chemistry and Physics sequences to graduate from FGCU's Bachelor's degree program. AA students may choose to complete either sequence, or both at FSW.	
MAC 1105†	COLLEGE ALGEBRA (IF LESS THAN A IN MAT 1033)	3					
MAC 1140†	PRE-CALC. ALGEBRA (IF MAC 1105 WAS NEEDED)	3					
Florida Civic Literacy Exam Requirement (FCLE) - Check if Satisfied							
<ul style="list-style-type: none"> - Students must meet the Core, *Writing Intensive, Civic Literacy, Foreign Language, and College requirements as outlined in the College Catalog. - It is recommended for students to check with their transfer institution regarding the transferability of major specific coursework. - Classes not listed here may be used to satisfy AA degree requirements. However, there are pre-requisite courses required for specific programs at every Florida public college and university. - To maintain timely graduation, it is highly recommended that you complete all common prerequisite course work prior to being admitted into a Bachelor's degree program. Some institutions may require that all prerequisites be completed before acceptance into the major. - Your Student Success Advisor can help you make a personalized plan. www.fsw.edu/advising <p>†Only take this class if required by test scores or other college placement requirements. Total credits for degree may exceed the number indicated.</p>				<p>This is aligned with the 2025-26 FGCU Catalog. Admission and pre-requisite requirements may change by the time you seek to enroll.</p> <p>X†† Required for BS degree in Biology but not required for BA degree in Biology.</p> <p>This is aligned with the 2024-25 UF Catalog. Admission and pre-requisite requirements may change by the time you seek to enroll.</p>			

****IMPORTANT:** This tool is designed to help you plan. Schools may have additional transfer requirements not listed here, and pre-requisite course requirements can change without notice. Always confirm transfer requirements directly with your destination schools and plan carefully and frequently with your Academic Advisor.