Pre-Med/Vet/Dental Shoool Program Map: AA/AS Dual Degree

Academic & Career Pathways
Florida SouthWestern State College

Example Course Sequence

AA/AS Dual Degree

PRE-MEDICAL, VETERINARY, OR DENTAL SCHOOL

CATALOG YEAR 2025-2026

SCIENCE, ENGINEERING & MATH PATHWAY

This map is for students earning both the Associate in Arts (General Studies) and Associate in Science (Science & Engineering Technology) degrees. Completing both degrees together helps you meet prerequisite and general education requirements to transfer to a Florida public school for a Bachelor's degree in this major. Classes with the symbol help you explore this pathway.

MATH FAST LANE

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
BSC 1010	GENERAL BIOLOGY I	3	
BSC 1010L	GENERAL BIOLOGY I 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 1011	GENERAL BIOLOGY II	3	
BSC 1011L	GENERAL BIOLOGY II LAB	1	
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	
SOCIAL SCI. / CIVIC LIT.	CHOOSE AMH 2010, AMH 2020, OR POS 2041	3	
	Total Semester Credits:	18	

Semester 3			
Course		Credits	Notes
MAC 1114	TRIGONOMETRY	4	IF MAC 1105 IN SEM 2, TAKE MAC 1114 + MAC 1140
CHM 2045	GENERAL CHEMISTRY I	3	
CHM 2045L	GENERAL CHEMISTRY I LAB	1	
	Total Semester Credits:	8	
	Total Academic Year Credits:	40	

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	
HUMANITIES*	ANY WRIT. INTENS. CORE HUMANITIES	3	CHOOSE HUM 2020, LIT 2000, OR PHI 2010
	Total Semester Credits:	11	

See important notes on Page 3

PRE-MED/VET/DENTAL SCHOOL PROGRAM MAP

Example Course Sequence

Academic & Career Pathways
Florida SouthWestern State College

Semester 5			
Course		Credits	Notes
CHM 2210	ORGANIC CHEMISTRY I	4	
CHM 2210L	ORGANIC CHEMISTRY I LAB	1	
PHY 2048	GENERAL PHYSICS I	4	ALTERNATE: PHY 2053††
PHY 2048L	GENERAL PHYSICS I LAB	1	ALTERNATE: PHY 2053L††
IDS 2891	CREATIVE CAPSTONE	3	
	Total Semester Credits:	**13**	

Semester 6			
Course		Credits	Notes
CHM 2211	ORGANIC CHEMISTRY II	4	
CHM 2211L	ORGANIC CHEMISTRY II LAB	1	
	Total Semester Credits:	**5**	
	Total Academic Year Credits:	**29**	

Semester 7			
Course		Credits	Notes
STA 2023	STATISTICAL METHODS I	3	ALTERNATE: MAC 2312
PSY 2012	INTRO TO PSYCHOLOGY	3	
HUMANITIES*	ANY WRITING INTENS. HUMANITIES	3	
PHY 2049	GENERAL PHYSICS II	4	ALTERNATE: PHY 2054††
PHY 2049L	GENERAL PHYSICS II LAB	1	ALTERNATE: PHY 2054L††
	Total Semester Credits:	**14**	
	Total Academic Year Credits:	**14**	
	Overall Credits:	**83**	

See important notes on Page 3

Pre-Med/Vet/Dental School Program Map: AA/AS Dual Degree

Academic & Career Pathways
Florida SouthWestern State College

SCIENCE, ENGINEERING & MATH PATHWAY

Transfer Worksheet
AA/AS Dual Degree
PRE-MEDICAL, VETERINARY, OR DENTAL SCHOOL
CATALOG YEAR 2025-2026

✓	Common Prerequisites & 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 CORE WRITING INTENS. 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	
	PSY 2012	INTRO TO PSYCHOLOGY	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: Prerequisite and graduation requirements vary among schools. See the notes below each school and work closely with your Advisor.‡							
	CHM 2025	INTRO TO COLLEGE CHEMISTRY (SEE ADVISOR)	3		X	X	X	
	CHM 2025L	INTRO TO COLLEGE CHEM LAB (SEE ADVISOR)	1		X	X	X	
	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	
	MAC 2312	CALC W/ANALYTIC GEOMETRY II (OR STA 2023)	4 (OR 3)		X	X	X	
	Foreign Language, Dual Enrollment, and Other Requirements (If Needed)							
	ENC 1130†	IMPROVING COL. WRITING (COUNTS AS ELECTIVE)	3		Notes: This plan is mapped against FGCU's Biology B.S. degree with Pre-Professional Concentration. ‡ 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. This is aligned with the 2025-26 FGCU Catalog. Admission and prerequisite requirements may change by the time you seek to enroll.	Notes: This plan is mapped against UF's Biology B.S. degree with Pre-Professional Concentration. ‡ 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 prerequisites for admission. AA students may choose whether to (A) skip the sequences at FSW and complete them later at UF, (B) complete part at FSW and the remainder at UF, or (C) complete the sequences at FSW prior to transferring. This is aligned with the 2025-26 UF Catalog. Admission and prerequisite requirements may change by the time you seek to enroll.	Notes: This plan is mapped against USF's Biology B.S. degree with Medical Biology Concentration. ‡ 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. This is aligned with the 2025-26 USF Catalog. Admission and prerequisite requirements may change by the time you seek to enroll.	Notes:
	MAT 0057†	MATH FOR COLLEGE SUCCESS (DEVELOPMENTAL: DOES NOT COUNT AS ELECTIVE OR MATH)	4					
	MAT 1033†	INTERMEDIATE ALGEBRA (MUST EARN A TO AVOID EXTRA PRE-REQS) (COUNTS AS ELECTIVE)	4					
	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							

- Classes with the 💡 symbol help you explore this pathway.
- Students must meet the Core, *Writing Intensive, Civic Literacy, Foreign Language, and College requirements in the FSW College Catalog.
- Other classes may be used toward FSW degree requirements, but they might not meet the prerequisite and transfer requirements for your indended Bachelor's degree.
- 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.
- Total credits for graduation may exceed the numbers indicated.
- Your Student Success Advisor can help you make a personalized plan.
www.fsw.edu/advising
**** The prerequisites for General Biology (BSC 1010/L) are (demonstration of readiness for college-level computation and communication) and (BSC 1005 or 1 credit of high school biology) with a "C" or better.**
†Only take this class if required by test scores or other college placement requirements.

Updated 10/25

****IMPORTANT:** Schools may have additional transfer requirements not listed here, and prerequisite course requirements can change without notice. Always confirm transfer requirements directly with your destination schools and plan carefuly and frequently with your Academic Advisor.

††Some programs may require PHY2048/L and PHY 2049/L for transfer. Review the requirements for your intended school(s) and major(s).