

WTAMU ADVISING SERVICES – 2025-2026 Curriculum Guide

Major: Life Science (7-12) Certification – Biology, B.S.

Major Code: 432

Year 1: Fall		Year 1: Spring	
CORE 10 (Communication) – ENGL 1301 or 1311	3	CORE 10 (Communication) – COMM 1315, 1318 or 1321	3
CORE 20 (Mathematics) – MATH 1314 or 1324	3	CORE 30 (Life & Phys. Sci.) – CHEM 1411/1411L Chem. I (4 th hour goes toward Core 90)	4
CORE 60 (American History) – See checklist for options ¹	3	CORE 60 (American History) – See checklist for options ¹	3
CORE 90 (Comp. Area Opt.) – IDS 1071	1	CORE 90 (Comp. Area Opt.) – ENGL 1302 or 2311	3
BIOL 1411/1411L Botany	4	BIOL 1413/1413L Zoology	4
Total:	14	Total:	17
Year 2: Fall		Year 2: Spring	
CORE 30 (Life & Phys. Sci.) – CHEM 1412/1412L Chem. II (4 th hour goes toward Core 90)	4	CORE 70 (Govt./Political Sci.) – POSC 2306	3
CORE 50 (Creative Arts) – See checklist for options ¹	3	MATH 1316, 1342, 2412 or 3360	3-4
CORE 70 (Govt./Political Sci.) – POSC 2305	3	BIOL 3301 Genetics	3
BIOL 2420/2420L or BIOL 2572/2572L	4-5	BIOL 3440 Anatomy & Physiology of Humans	4
Apply to EPP (Educator Preparation Program)		EPSY 3341 Educational Psychology	3
Total:	14-15	Total:	16-17
Year 3: Fall		Year 3: Spring	
CORE 40 (Lang., Phil. & Culture) – See checklist for options ¹	3	CORE 80 (Soc. & Behav. Sci.) – See checklist for options ¹	3
BIOL 4310/4210L General Ecology	5	Choose one course from Group 1, 2 or 3 ²	3-5
Choose one course from Group 1, 2 or 3 ²	3-5	EDPD 4348 Data-Informed Instruction and Assessment	3
EDPD 4330 Educational Methodology & Diverse Learners	3	EDRD 4386 Secondary Reading in the Content Area	3
		EPSY 4341 Educator Readiness and Performance	3
Total:	14-16	Total:	15-17
Year 4: Fall		Year 4: Spring	
Choose one course from Group 1, 2 or 3 ²	3-5	EDPD 4398 Clinical Teaching – All Certificate Areas	3
EDPD 4340 Classroom Management	3	EDSE 4341 Clinical Teaching – Secondary	3
EPSY 3350 Children with Special Needs	3		
Electives – As needed to meet the 120 hours requirement	TBD		
Total:	9+	Total:	6

¹ **CORE:** Life Science (7-12) Certification majors are required to take specific courses for Core 20, Core 30 and Core 90. For all other categories, they may select from any available options (see degree checklist). Apart from the major-specific core requirements, there is no set order in which core courses must be taken.

² **Choose one course from EACH group. At least two courses must have labs.**

- GROUP 1: BIOL 3420, 4431, 4432, 4433, 4434
- GROUP 2: BIOL 3311, 3331, 3510, 4460
- GROUP 3: BIOL 3304, 3385, 3406 (or GEOL 3406), 3532, 4335, 4351, 4425

Identified Marketable Skills	Top Three Local Employers or Industries/Professional Programs/Possible Career Opportunities
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Additional notes:

- The core curriculum must total exactly 42 hours; excess hours must be moved to the major as an elective or a major requirement and stay within the 120-hour requirement or approved total submitted to the Coordinating Board for degree requirements. Some majors specify particular courses to meet core curriculum requirements when options are available.

- At least 36 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU. A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

DISCLAIMER: This curriculum guide should be used in conjunction with the corresponding degree checklist for general planning purposes only. The degree checklist (later a student's official degree plan) should be referred to as the comprehensive list of all courses required for the degree. An official degree plan is required after completing 30 hours. Students should always seek the advice of their academic adviser before scheduling classes.