



Natural Resources Systems

Course Overview: Focuses on careers in planning, managing, and providing education and training services, and related learning support services.

Career Goal (O*NET Code): Forest Conservation Worker (45-4011), Fish & Game Warden (33-3031), Range Manager (19-1031).

Student Name: _____

Grade: _____

School: _____

SUGGESTED COURSEWORK

EXTENDED LEARNING EXPERIENCES

Middle School	8th	HS Courses:		Curricular Experiences: Texas FFA Association	Extracurricular Experiences: Agriscience Fair Farm Bureau Exchange Programs Language Immersion Programs School Newspaper Student Government UIL Academic Competitions Yearbook	
	High School	9th	Core Courses:			English I Algebra I Biology
Career-Related Electives:			Principles of Agriculture, Food and Natural Resources			
10th		Core Courses:	English II Geometry Chemistry	World History Languages other than English II	Career Learning Experiences: Career Preparation Internship Job Shadowing	
		Career-Related Electives:	Wildlife and Ecology Management			
11th		Core Courses:	English III Algebra II Physics	United States History		
		Career-Related Electives:	Mathematical Applications in Agriculture, Food and Natural Resources or Advanced Animal Science			
12th	Core Courses:	English IV AP Statistics AP Environmental Science	Government/Economics Fine Arts	COLLEGE CREDIT OPPORTUNITIES -- High School Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses (Tech Prep), if possible. List those courses that count for college credit on your campus.		
	Career-Related Electives:	Agricultural Science Internship/Mentorship				
On-the-Job Training		Aquaculture Farm Employee	Fisheries Employee Marina Employee	Discount/Sporting Store Employee	Professional Associations: Coastal Conservation Association Collegiate FFA Post-secondary Agricultural Student Association Texas Aquaculture Association	
		NOTE: These experiences may be started and/or completed as part of the high school experience.				
Certificates		Class III Aquaculturist	OSHA CareerSafe		Career Options: Hunting Guide Fishing Guide Parks Ranger Aquarium Employee	
		NOTE: Students may earn all or part of these certificates as part of the high school experience.				
Postsecondary	Associate Degrees	Aquaculture Technician	Applied Science		Career Options: Aquaculture Production Employee Conservation Manager Fishing Guide	
	Bachelor Degrees	Fisheries Biology Renewable Natural Resources	Recreation, Park, & Tourism Sciences	Wildlife & Fisheries Science	Career Options: Aquaculture Researcher Hatchery Manager Aquarium Manager Texas Cooperative Extension Marine Agent	
	Graduate Degrees	Aquaculture/Fisheries	Recreation, Park & Tourism Sciences	Wildlife Science	Career Options: Marine Biologist Fisheries Scientist Research Scientist	

Students may select other elective courses for personal enrichment purposes.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2009. All plans meet high school graduation requirements as well as college entrance requirements.