The Department of Rangeland, Wildlife and Fisheries Management (RWFM) curriculum is designed to provide graduates with an integrated knowledge from biological, physical and social sciences that gives rise to long-term solutions for today’s environmental challenges. Through fieldwork, research and internships, students will experience a range of learning opportunities that extend beyond the traditional classroom, preparing them for real-world application of natural sciences knowledge. Our undergraduate program sets students up for success in the competitive job market in addition to preparing them for continued professional and graduate studies.

*Students can choose between four specialization tracks to tailor their degree to best meet post-graduation needs:*

<table>
<thead>
<tr>
<th>Rangeland Management</th>
<th>Wildlife Management</th>
<th>Aquaculture &amp; Fisheries Management</th>
<th>Natural Resources Management &amp; Policy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combines ecology and range management to promote the conservation, production and stewardship of rangelands globally.</td>
<td>Builds a strong foundation in managing wildlife populations and their habitats, and includes a summer field practicum and internships.</td>
<td>Blends fishery principles and techniques to sustainably manage wild fish populations or inland fishery and aquaculture operations.</td>
<td>Examines environmental and conservation issues that includes political, cultural, social, economic, regulatory and ecological dimensions.</td>
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*Key topics include:*
- Soil science
- Plant taxonomy
- Vegetation sampling
- Ecosystem restoration
- Watershed management
- Farm and ranch management
- Wildlife diseases
- Upland bird management
- Big game management
- Urban wildlife and fisheries
- Carnivore management
- Wildlife population dynamics
- Fish physiology
- Fisheries management
- Aquatic animal nutrition
- Fish health and diseases
- Hatchery management
- Aquatic vegetation management
- Management of wildlands
- Human dimensions of natural resource management and policy
- Natural resource economics
- Community-based conservation
- Environmental impact assessments
A Person, Not a Number
Our faculty share a strong focus on strengthening educational experiences for students, through teaching practical application of management techniques and research methods in an engaging, hands-on environment.

Accreditation and Certification
Professional societies have recognized our curricula as exceeding acceptable standards in the natural resource profession, leading to official accreditation of our program. Upon graduation, students will meet the basic qualifications in specific emphasis areas to apply for certifications such as Certified Professional in Rangeland Management, Associate Wildlife Biologist or Associate Fisheries Professional.

Academic Support
Our team of academic professionals include both internal and external experts. Department faculty include joint teaching appointments with leading wildlife and fisheries researchers, human dimensions and policy professors, AgriLife Extension Specialists and industry professionals.

Professional Society Engagement
Student chapters of professional organizations, such as the Society for Range Management, The Wildlife Society and the American Fisheries Society, provide students with opportunities to gain leadership skills through department and professional society-sponsored extracurricular activities, including professional meetings, student clubs and competitive teams, to name a few.

Financial Support
Along with scholarships offered through the College of Agriculture and Life Sciences, we offer several department-specific scholarships, fellowships and student employment opportunities.

Career Pathway
We offer a foundational undergraduate degree that allows students to competitively pursue natural resource careers with various state and federal agencies, or venture into private management and non-governmental organizations. Program graduates will have the confidence to continue their education in graduate studies or apply their skills and background in research-oriented careers.

Field Opportunities
Our degree program offers students additional education opportunities that will best prepare them to be natural resources leaders. The department has several partnerships in place to offer facilitated internships, where students can experience career-specific jobs and build resume credentials for future employment.

Summer field camps are offered between sophomore and junior year, to apply management principles learned in the classroom. Students will employ management techniques utilizing field equipment and observing management systems, while receiving instruction and guidance from top industry practitioners.

Students also have access to several multi-use, outdoor laboratories year-around. The diverse locations offer unique opportunities for students to implement research projects and train on various ecosystem types.

Research and Teaching Outdoor Laboratories
- Ecological and Natural Resources Teaching Area
- Aquacultural Research and Teaching Facility
- La Copita Demonstration Ranch and Research Area
- Chocolate Bayou Research and Demonstration Farm

Contact
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Connect with us to learn more about our program