

**Texas A&M University Marketable Skills - Bachelor of Science in Zoology**

<b>Program</b>	Zoology
<b>Degree</b>	BS
<b>Department</b>	Biology
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<b>Outcome</b>	<b>Master the depth of knowledge required for a degree</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• Knowledge of animals at the population, organismal, and cellular level</li> <li>• Knowledge of anatomy and physiology of chordate animals</li> <li>• Knowledge of ecological relationships among organisms</li> <li>• Understanding of experimental methods used to increase our knowledge of animals</li> <li>• Understanding of the breadth of biodiversity of the animal kingdom and the evolutionary patterns and processes that have led to this diversity</li> </ul>

<b>Outcome</b>	<b>Demonstrate critical thinking</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• Use logic and reasoning to interpret scientific results</li> <li>• Identify proper controls to use for experiments</li> <li>• Identify and assess alternative explanations that could account for given results</li> <li>• Identify non-scientific and pseudoscientific arguments</li> <li>• Design methods for testing hypothesis</li> <li>• Apply critical thinking to all problems, not just scientific ones</li> </ul>

<b>Outcome</b>	<b>Communicate effectively</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• Ability to make effective oral presentations</li> <li>• Ability to communicate scientific ideas and concepts in writing</li> <li>• Ability to listen to and interpret scientific presentations</li> <li>• Ability to read and summarize scientific publications</li> <li>• Ability to adjust technical depth of presentations to be appropriate for the audience</li> <li>• Ability to criticize arguments in a rational and non-personal manner</li> </ul>

<b>Outcome</b>	<b>Work collaboratively</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• Ability to work in teams to perform research</li> <li>• Ability to work in teams to develop presentations</li> <li>• Ability to understand and follow oral instructions and protocols written by others</li> <li>• Ability to lead team projects and motivate others</li> </ul>

<b>Outcome</b>	<b>Engaging in life-long learning</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• Expanding knowledge of field by reading scientific literature</li> <li>• Ability to search relevant databases for new scientific literature or information</li> <li>• Willingness to update ideas in light of new information</li> <li>• Willingness to take advantage of training opportunities as they arise</li> </ul>

<b>Outcome</b>	<b>Demonstrate personal, corporate, and social responsibility</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• Ability to understand and comply with all safety guidelines</li> <li>• Ability to identify safety concerns and bring them to the attention of supervisors</li> <li>• Understand and articulate ethical, legal, and societal implications of research projects</li> </ul>