

Program:	University Studies
Degree:	B.S. University Studies with an area of concentration in veterinary medicine and biomedical sciences
Department:	Biomedical Sciences Program
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Outcome	Master the Depth of Knowledge for a degree
Marketable Skills	<ul style="list-style-type: none"> <li>• Knowledge of biological and chemical composition, structures and pathways</li> <li>• Ability to trace genotype to phenotype and determine clinical significance</li> <li>• Knowledge of organisms, including pathologic organisms, tissues, cells, their functions, interdependence on micro- and external environments</li> <li>• Knowledge of One Health: interrelatedness of human, animal and environmental health and factors affecting each</li> <li>• Use scientific methodology: hypothesis development and testing, data analysis, and reporting of results</li> <li>• Use scientific/laboratory equipment and computer databases such as Excel</li> </ul>

Outcome	Demonstrate Critical Thinking
Marketable Skills	<ul style="list-style-type: none"> <li>• Observe, receive and otherwise obtain information from others and interpret the meaning for various audiences: clients, patients, scientific audiences, government offices, healthcare administration</li> <li>• Practice active learning: determining and utilizing various methodologies for learning and dissemination of information, including teaching others and ability to use learning management systems such as E-campus™</li> <li>• Investigate the causes, progress, life cycles, mode of disease using scientific methodology, articles, and presentations</li> <li>• Utilize deductive reasoning to solve problems: apply scientific concepts to specific problems to evaluate options and implement solutions</li> </ul>

Outcome	Communicate effectively
Marketable Skills	<ul style="list-style-type: none"> <li>• Science writing, including articles, abstracts, curriculum vitae, and essays</li> <li>• Verbally convey scientific and clinical information to various audiences, including clients, patients, scientists, laypersons, government offices and healthcare administration</li> <li>• Effectively use programs in Office Suite™ and collaborative platforms such as Google Drive™</li> <li>• Comprehend scientific literature</li> </ul>

Outcome	Practice personal and social responsibility
Marketable Skills	<ul style="list-style-type: none"> <li>• Through recommended shadowing and internship coursework, learning to Assist and care for others, including animals</li> </ul>

	<ul style="list-style-type: none"> <li>• Comprehend oral expression and respond in a culturally sensitive manner</li> <li>• Recognize and respond to social cues and understand why an individual is behaving in a specific manner</li> <li>• Practice time management</li> <li>• Oriented to service and include service and outreach in daily job and/or activities</li> </ul>
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<b>Outcome</b>	<b>Demonstrate social, cultural and global competencies</b>
Marketable Skills	<ul style="list-style-type: none"> <li>• Recognize and respond sensitively to diverse opinions and practices</li> <li>• Respond appropriately to others and hold difficult conversations with respect</li> <li>• Recognize diverse world views</li> </ul>

\*Resources to complete the marketable skills for BIMS include the following:

Texas A&M University Catalog (Student Learning Outcomes and Core curriculum outcomes)

International and Cultural Diversity and Cultural Discourse Rubrics

O\*Net: [onetonline.org](http://onetonline.org)

Our Weaveonline assessment goals and measures

\*\*Marketable skills for USVM students will vary, also, according to the chosen minors. Students should look at the skills listed under the minoring departments for development of their resumes and portfolios.