

Program:	Biomedical Sciences Program College of Veterinary Medicine & Biomedical Sciences
Degree:	B.S. Biomedical Sciences (BIMS)
Department:	Biomedical Sciences Program
Contact Name:	Elizabeth Crouch
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Outcome	Master the Depth of Knowledge for a degree
Marketable Skills	<ul style="list-style-type: none"> • Knowledge of biological, chemical, and biochemical composition, structures and pathways • Knowledge of physical principles, including mechanical, electrical, magnetic and optical and their applications to biological processes • Knowledge of how biochemistry affects physiology, disease status, healing; • Ability to trace genotype to phenotype and determine clinical significance • Knowledge of organisms, including pathologic organisms, tissues, cells, their functions, interdependence on micro- and external environments • Knowledge of One Health: interrelatedness of human, animal and environmental health and factors affecting each • Use scientific methodology: hypothesis development and testing, data analysis, and reporting of results • Use scientific/laboratory equipment and computer databases such as Excel

Outcome	Demonstrate Critical Thinking
Marketable Skills	<ul style="list-style-type: none"> • Observe, receive and otherwise obtain information from others and interpret the meaning for various audiences: clients, patients, scientific audiences, government offices, healthcare administration • 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™ • Investigate the causes, progress, life cycles, mode of disease using scientific methodology, articles, and presentations • Utilize deductive reasoning to solve problems: apply scientific concepts to specific problems to evaluate options and implement solutions

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

	<ul style="list-style-type: none"> • Comprehend scientific literature
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Outcome	Practice personal and social responsibility
Marketable Skills	<ul style="list-style-type: none"> • Through recommended shadowing and internship coursework, learning to Assist and care for others, including animals • Comprehend oral expression (English and (with certificate) Spanish) perform linguistically in a culturally sensitive manner • Recognize and respond to social cues and understand why an individual is behaving in a specific manner • Practice time management • Oriented to service and include service and outreach in daily job and/or activities

Outcome	Demonstrate social, cultural and global competencies
Marketable Skills	<ul style="list-style-type: none"> • Recognize and respond sensitively to diverse opinions and practices • Respond appropriately to others and hold difficult conversations with respect • Recognize diverse world views

**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

Our Weaveonline assessment goals and measures