

Program:	Forensic & Investigative Sciences
Degree:	BS
Department:	Entomology
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Outcome	Master the depth of knowledge required for a degree
Marketable Skills	<ul style="list-style-type: none"> • Keep records and prepare reports detailing findings, investigative methods, and laboratory techniques. • Collect evidence from crime scenes, storing it in conditions that preserve its integrity. • Testify in court about investigative or analytical methods or findings. • Use photographic or video equipment to document evidence or crime scenes. • Visit morgues, examine scenes of crimes, or contact other sources to obtain evidence or information to be used in investigations. • Reconstruct crime scenes to determine relationships among pieces of evidence. • Confer with ballistics, fingerprinting, handwriting, documents, electronics, medical, chemical, or metallurgical experts concerning evidence and its interpretation. • The only BS degree in Texas accredited by FEPAC • Degree meets Texas Forensic Science Commission requirements for seeking license to practice as a seized drugs analyst, fire arms, document examiner, trace evidence analyst, forensic toxicologist, crime scene investigator, or DNA analyst • Degree meets Federal Bureau of Investigation’s Quality Assurance Standards for Forensic DNA testing

Outcome	Demonstrate critical thinking
Marketable Skills	<ul style="list-style-type: none"> • Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions. • Considering the relative costs and benefits of potential actions to choose the most appropriate one. • Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems. • Observing, receiving, and otherwise obtaining information from all relevant sources. • Identifying the underlying principles, reasons, or facts of information by breaking down information or data into separate parts. • Analyzing information and evaluating results to choose the best solution and solve problems.

Outcome	Communicate effectively
Marketable Skills	<ul style="list-style-type: none"> • Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar. • Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times. • Understanding written sentences and paragraphs in work related documents.

Outcome	Practice personal and social responsibility
Marketable Skills	<ul style="list-style-type: none"> • Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action. • Managing one's own time and the time of others.

Outcome	Demonstrate social, cultural, and global competencies
Marketable Skills	<ul style="list-style-type: none"> • Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction. • Being aware of others' reactions and understanding why they react as they do.

Outcome	Prepare to engage in life-long learning
Marketable Skills	<ul style="list-style-type: none"> • Understanding the implications of new information for both current and future problem-solving and decision-making. • Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.

Outcome	Work collaboratively
Marketable Skills	<ul style="list-style-type: none"> • Motivating, developing, and directing people as they work, identifying the best people for the job. • Bringing others together and trying to reconcile differences.

Notes:

- All marketable skills listed for this example program were drawn from the Knowledge, Skills, and Abilities identified by the US Department of Labor and Statistics for “forensic scientist” as published on O*Net Online (onetonline.org)
- Alternate sources for degree-specific marketable skills include learning outcomes and associated metrics used for programmatic assessment
- Learning outcomes or skills required for programmatic accreditation