<table>
<thead>
<tr>
<th>Program:</th>
<th>Toxicology</th>
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<tr>
<td>Degree:</td>
<td>MS</td>
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<td>Department:</td>
<td>Toxicology IDP</td>
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<tr>
<td>Contact Name:</td>
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<td>979-845-5529</td>
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### Outcome
Master degree-program requirements, including theories, concepts, principles, and practice, and develop a coherent understanding of the subject matter through synthesis across courses and experiences.

### Marketable Skills
- Critical Thinking - Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
- Knowledge of Core Principles of Toxicology, Environmental Science and Regulatory Applications - understanding of the general theories, concepts, principles of toxicology and related disciplines and their implementation into practice of human health and environmental protection.
- Active Learning - Ability to find new information and understanding the implications of new information for both current and future problem-solving and decision-making.

### Outcome
Apply subject matter knowledge in a range of contexts to solve problems and make decisions.

### Marketable Skills
- Complex Problem Solving - Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.
- Coordination - Adjusting actions in relation to others’ actions.
- Systems Analysis - Determining how a system should work and how changes in conditions, operations, and the environment will affect outcomes.

### Outcome
Use a variety of sources and evaluate multiple points of view to analyze and integrate information and to conduct critical, reasoned arguments.

### Marketable Skills
- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.
- Active Listening - 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.
- Documenting/Recording Information - Entering, transcribing, recording, storing, or maintaining information in written or electronic/magnetic form.

### Outcome
Communicate effectively.

### Marketable Skills
- Speaking - Talking to others to convey information effectively.
- Writing - Communicating effectively in writing as appropriate for the needs of the audience.
- Persuasion - Persuading others to change their minds or behavior.

### Outcome
Use appropriate technologies to communicate, collaborate, conduct research,
...and solve problems.

| Marketable Skills | • Instructing - Teaching others how to do something.  
|                   | • Time Management - Managing one's own time and the time of others.  
|                   | • Learning Strategies - Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.  

| Outcome | Develop clear research plans and conduct valid, data-supported, theoretically consistent, and institutionally appropriate research.  
| Marketable Skills | • Science - Using scientific rules and methods to solve problems.  
|                   | • Coordination - Adjusting actions in relation to others' actions.  
|                   | • Using analytical or scientific software - working with appropriate databases for obtaining scientific information and data analysis.  

| Outcome | Choose ethical courses of action in research and practice.  
| Marketable Skills | • Judgment and Decision Making - Considering the relative costs and benefits of potential actions to choose the most appropriate one.  
|                   | • Social Perceptiveness - Being aware of others' reactions and understanding why they react as they do.  
|                   | • Service Orientation - Actively looking for ways to help people.  