<table>
<thead>
<tr>
<th>Program:</th>
<th>Toxicology</th>
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<tbody>
<tr>
<td>Degree:</td>
<td>PhD</td>
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<tr>
<td>Department:</td>
<td>Toxicology IDP</td>
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<tr>
<td>Contact Name:</td>
<td>Kim Daniel</td>
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<td>Contact Phone:</td>
<td>979-845-5529</td>
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**Outcome** | Master degree-program requirements, including theories, concepts, principles, and practice; develop a coherent understanding of the subject matter through synthesis across courses and experiences; and apply subject matter knowledge to solve problems and make decisions.

** 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 a variety of strategies and tools, use a variety of sources, and evaluate multiple points of view to analyze and integrate information and to conduct critical, reasoned arguments.

** 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** | 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.
- 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.

**Outcome** | Develop clear research plans, conduct valid, data-supported, theoretically consistent, and appropriate venues to a range of audiences.

** 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.
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<tr>
<th>Outcome</th>
<th>Use appropriate technologies to communicate, collaborate, conduct research, and solve problems.</th>
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| 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. |

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<th>Outcome</th>
<th>Teach and explain the subject matter in their discipline.</th>
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| Marketable Skills | • Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.  
• Persuasion - Persuading others to change their minds or behavior.  
• Documenting/Recording Information - Entering, transcribing, recording, storing, or maintaining information in written or electronic/magnetic form. |

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<th>Outcome</th>
<th>Choose ethical courses of action in research and practice.</th>
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| 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. |