<table>
<thead>
<tr>
<th>Program:</th>
<th>Geography</th>
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<tbody>
<tr>
<td>Degree:</td>
<td>PhD</td>
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<tr>
<td>Department:</td>
<td>Geography</td>
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<tr>
<td>Contact Name:</td>
<td>David Cairns</td>
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<tr>
<td>Contact Phone:</td>
<td>845 7141</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**
- Mastery and expertise of disciplinary knowledge in Geography to solve geographic problems
- Mastery of the theoretical basis underlying foundational geographic methods and technologies
- Knowledge of analytical or scientific software and methods appropriate to contemporary geographic enquiry

**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**
- Obtain and analyze geographic data from multiple sources, resolving inconsistencies and applying transparent procedures
- Apply knowledge and techniques to help solve contemporary geographic problems

**Outcome**  
Communicate effectively.

** Marketable Skills**
- Express geographic concepts in writing, speaking, and graphically to discipline specific and general audiences
- Communicate information and ideas effectively in public speaking
- Lead, train, or supervise technicians or related staff in geographic studies

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

** Marketable Skills**
- Develop and implement scientifically rigorous research design aiming to advance the current state of knowledge regarding geographic problems

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

** Marketable Skills**
- Communicate geographic research results and syntheses of geographic research findings to discipline specific and non-specialist audiences
- Work collaboratively with colleagues to solve complex geographic problems

**Outcome**  
Teach and explain the subject matter in their discipline.
| Marketable Skills | Teach at university level core concepts of physical, human, human-environment geography  
|                  | Represent the discipline of geography to diverse audiences |
| Outcome | **Choose ethical courses of action in research and practice.** |
| Marketable Skills | Implement the ethical responsibilities of a geography professional and choose ethical courses action in his/her work  
|                  | Know and apply accepted practices for accurate and truthful reporting of results and citation of previous work |