

Example IDEAS Program Roadmap (for 'Direct Track', Ecology PhD)

	Fall	Spring
Year 1	<p>ECOL 8000: Topics in Modern Ecology (3)</p> <p>ECOL 8310: Population and Community Ecology (3)</p> <p>GRSC 8550: Responsible Conduct of Research (1)</p> <p>Journal Club, Ex.1 IDIS 8050: Special Topics in Ecology and Evolution of Infectious Diseases (1)</p>	<p>ECOL 8322: Concepts and Approaches in Ecosystem Ecology * (4)</p> <p>ECOL(BIOL) 4150/6150: Population Biology of Infectious Diseases (4)</p> <p>Journal Club, Ex.2 IDIS(ECOL) 8240: Vector-borne Diseases in a Changing World (1)</p> <p>Ex.3 POPH 8580: Current Topics in Wildlife Health (1)</p>
Year 2	<p>ECOL 8510: Fundamentals of Disease Biology ** (4)</p> <p>Journal Club, Ex.4 IDIS 8590: Special Topics on Diseases Intervention (1)</p> <p>Ex.5 IDIS 8550: Special Topics in Immunology (1)</p>	<p>ECOL 8530: Interdisciplinary Problem Solving in Infectious Disease Ecology (3)</p> <p>Technical elective, Ex.A ECOL 8910: Perspectives in Computational Ecology (3)</p> <p>Ex.B EPID(BIOS) 8060: Modern Applied Data Analysis (3)</p>
Year 3	Dissertation Research	Dissertation Research
Year 4	Dissertation Research	Dissertation Research
Year 5	Dissertation Research	Dissertation Research

Ecology course requirements are in green / IDEAS requirements are in red

* This course is only offered alternate years, so may be taken in Year 1 or 2.

** This course is only offered alternate years, so may be taken in Year 2 or 3.

Computational Training	Professional Development
<p>ECOL 8540: Computational Modeling Workshop</p> <ul style="list-style-type: none"> - two 2-credit workshops are offered every Maymester - a total of 4 credits is required 	<p><u>Communications Training</u></p> <ul style="list-style-type: none"> - workshops are offered once a year <p><u>Internship</u></p> <ul style="list-style-type: none"> - a semester or summer-long experience is required - see IDEAS website for a list of suggested internship sites