

# SOIL SCIENCE, PH.D.

## Degree Requirements

Each student's program is individually tailored, but still must satisfy those requirements prescribed by the Department. Where admission to the Ph.D. is from a M.Sc. degree, the course work will be a minimum of 6 credit hours at the 7000 level or higher of which at least 3 credit hours must be from the Department of Soil Science.

Where admission to the Ph.D. is directly from an Honours Bachelor Degree or equivalent, the coursework will be a minimum of 18 credit hours consisting of a minimum of 12 credit hours at the 7000 level (of which at least 6 credit hours must be from the Department of Soil Science) with the balance of the coursework at the 3000 level or above.

To meet graduation requirements, all students must have demonstrated either in their current program or in previous studies:

1. Twelve credit hours in fundamental and applied soil sciences at the senior undergraduate or graduate level;  
**and**
2. Experimental design and statistical analysis - 3 credit hours at the senior undergraduate or graduate level;  
**and**
3. Communication skills – students will have completed SOIL 7220 or a similar course approved by the Department Head. In addition, students will normally present papers at scientific meetings.

**Expected Time to Graduate:** 3.5 - 4 years

## Progression Chart

Course	Title	Hours
<b>Year 1</b>		
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
SOIL 7220	Principles of Scientific Research and Communication	3
Select courses as determined by advisory committee and student <sup>1</sup>		
GRAD 8000	Doctoral Thesis <sup>2</sup>	0
<b>Hours</b>		<b>3</b>
<b>Year 2</b>		
Select courses as determined by advisory committee and student <sup>1</sup>		
GRAD 8010	Doctoral Candidacy Examination (to be completed in Year 2 or Year 3)	0
GRAD 8000	Doctoral Thesis <sup>2</sup>	0
<b>Hours</b>		<b>0</b>
<b>Year 3</b>		
Select courses as determined by advisory committee and student <sup>1</sup>		
GRAD 8010	Doctoral Candidacy Examination	0
GRAD 8000	Doctoral Thesis (to be completed in Year 2 or Year 3) <sup>2</sup>	0
<b>Hours</b>		<b>0</b>
<b>Total Hours</b>		<b>3</b>

<sup>1</sup> Credit hours as determined by advisory committee and student.  
**Minimum credit hours required: 6.**

<sup>2</sup> An essential feature of Ph.D. study is the candidate's demonstration of competence to complete a research project and present the findings. The thesis must constitute a distinct contribution to knowledge in the major field of study, and the research must be of sufficient merit to be, in the judgement of the examiners, acceptable for publication.