CLINICAL AND TRANSLATIONAL SCIENCE PH.D.

All students must meet the Requirements for the Doctor of Philosophy Degree (http://catalogue.uvm.edu/graduate/degreerequirements/requirementsforthedoctorofphilosophydegree/)

OVERVIEW

The Ph.D. in CTS is designed for individuals who wish to become full-fledged independent investigators in CTS.

SPECIFIC REQUIREMENTS

Requirements for Admission to Graduate Studies for the Degree of Doctor of Philosophy

- U.S. Baccalaureate degree or an equivalent international degree.
- Four semesters of college-level science highly recommended.
- Two semesters of college-level mathematics or statistics highly recommended.
- Two semesters of college level English composition or equivalent.
- Interviews with appointed faculty are required.
- Students applying to the Ph.D. in CTS must have a source of funding and a Key CTS research mentor willing to provide a letter of support as part of the application.

Applicants holding a degree from an unaccredited institution and International applicants should consult additional Graduate College Admission requirements.

Requirements for Advancement to Candidacy for the Degree of Doctor of Philosophy

Students must have completed all required courses including 15 graded credits and maintain an overall minimum grade point average of 3.0. Successful completion of oral and written comprehensive exam required.

Minimum Degree Requirements

The Ph.D. in CTS is a 75 credit degree which includes 18 credit hours of core courses, at least 12 credits of elective courses, and a minimum of 20 credits of supervised research. Individuals must also participate in the weekly Seminar in CTS, complete a teaching requirement, successfully pass a comprehensive exam, and successfully complete and publicly defend a dissertation.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTS 301 Design Clin&amp;Translational Res</td>
<td>3</td>
</tr>
<tr>
<td>CTS 307 Cell to Society</td>
<td>3</td>
</tr>
<tr>
<td>CTS 320 Analyze Clin&amp;Translational Res</td>
<td>3</td>
</tr>
<tr>
<td>CTS 310 Conduct Clin&amp;Translational Res</td>
<td>3</td>
</tr>
<tr>
<td>CTS 325 Multi Analysis Clin&amp;Trans Res</td>
<td>3</td>
</tr>
<tr>
<td>CTS 315 Report Clin&amp;Translational Res</td>
<td>3</td>
</tr>
</tbody>
</table>

Comprehensive Examination

The overall goal of the comprehensive exam is to determine whether the student’s depth and breadth of knowledge and ability to integrate information is such that he or she should be advanced to candidacy for the Ph.D. The written exam involves writing a grant protocol in the style of a NIH Small Research Grant (R03) using the concepts learned in the core courses. The oral exam requires students to meet with the Comprehensive Exam Committee to answer questions related to the written exam and concepts taught as part of the CTS core courses. The comprehensive exam should be completed within 6 months of finishing the CTS core courses.

1 Co-mentoring with faculty from other programs is allowed and often desirable but must involve CTS Faculty in all aspects of student research. This requirement is also applicable to CTS students in M.S. program wishing to transfer to Ph.D.