

4-Year PhD Program

Stream	1st Year	2nd Year	3rd year – achieved PhD Candidacy	4th Year
Analytical	<ul style="list-style-type: none"> *1-2 grad courses *CHM3000 *4-5 hours of professional development (PD) activities 	<ul style="list-style-type: none"> *1-2 grad courses *1st <i>research-based</i> seminar *4-5 hours of professional development (PD) activities 	<ul style="list-style-type: none"> *Normally, achieve 25 ASP points *Normally, complete 4th grad course *Pass comprehensive departmental oral exam by end of 2nd term *4-5 hours of professional development activities (may achieve PhD candidacy with at least 14 total PD hours) 	<p>ABD – All But Dissertation</p> <ul style="list-style-type: none"> *2nd <i>research-based</i> seminar *Complete at least 18 PD hours before scheduling final oral exam
Environmental	<ul style="list-style-type: none"> *1-2 grad courses *CHM3000 *4-5 hours of professional development (PD) activities 	<ul style="list-style-type: none"> *1-2 grad courses *Complete final course credit requirement *1st seminar (<i>Research proposal, on a topic other than the primary research topic</i>) *4-5 hours of professional development (PD) activities 	<ul style="list-style-type: none"> *Pass comprehensive departmental oral exam *4-5 hours of professional development activities (may achieve PhD candidacy with at least 14 total PD hours) 	<p>ABD – All But Dissertation</p> <ul style="list-style-type: none"> *2nd seminar FOE (<i>original research</i>) *Complete at least 18 PD hours before scheduling final oral exam
Inorganic	<ul style="list-style-type: none"> *1-2 grad courses *CHM3000 *4-5 hours of professional development (PD) activities 	<ul style="list-style-type: none"> *1-2 grad courses *Complete final course credit requirement *1st seminar (<i>research</i>) *6 months after completing courses; pass comprehensive departmental oral exam *4-5 hours of professional development (PD) activities 	<ul style="list-style-type: none"> *2nd seminar (<i>original research proposal</i>) *4-5 hours of professional development activities (may achieve PhD candidacy with at least 14 total PD hours) 	<p>ABD – All But Dissertation</p> <ul style="list-style-type: none"> *3rd seminar (<i>research</i>) *Complete at least 18 PD hours before scheduling final oral exam
Biological	<ul style="list-style-type: none"> *1-2 grad courses *CHM3000 *4-5 hours of professional development (PD) activities 	<ul style="list-style-type: none"> *1-2 grad courses *Complete final course credit requirement *1st seminar (<i>literature-based</i> seminar) *Pass 6 cumulative exams, ideally *4-5 hours of professional development (PD) activities 	<ul style="list-style-type: none"> *Pass comprehensive departmental oral exam *4-5 hours of professional development activities (may achieve PhD candidacy with at least 14 total PD hours) 	<p>ABD – All But Dissertation</p> <ul style="list-style-type: none"> *2nd seminar (<i>research - based</i>) *Complete at least 18 PD hours before scheduling final oral exam
Organic	<ul style="list-style-type: none"> *2 grad courses *CHM3000 *4-5 hours of professional development (PD) activities 	<ul style="list-style-type: none"> *1-2 grad courses (if credited 1 course from MSc) *1st seminar (<i>literature-based</i>) *4-5 hours of professional development (PD) activities 	<ul style="list-style-type: none"> *Pass 6 cumulative exams by end of 1st term *Pass comprehensive departmental oral exam by end of 2nd term 	<p>ABD – All But Dissertation</p> <ul style="list-style-type: none"> *2nd seminar (<i>research</i>) *Complete at least 18 PD hours before scheduling final oral exam

			*4-5 hours of professional development activities (may achieve PhD candidacy with at least 14 total PD hours)	
Experimental (Physical Chemistry & Chemical Physics)	*1-2 grad courses *CHM3000 *4-5 hours of professional development (PD) activities	*1-2 grad courses * Complete final course credit requirement *1 st seminar (<i>original research</i>) *Consult with supervisor regarding timing of comprehensive oral exam. *4-5 hours of professional development (PD) activities	*Pass comprehensive departmental oral exam *4-5 hours of professional development activities (may achieve PhD candidacy with at least 14 total PD hours)	ABD – All But Dissertation *2 nd seminar (<i>original research</i>) *Complete at least 18 PD hours before scheduling final oral exam
Theoretical (Chemical Physics & Physical Chemistry)	*1-3 grad courses *CHM3000 *4-5 hours of professional development (PD) activities	*1-3 grad courses * Complete final course credit requirement *1 st seminar (<i>original research</i>) *4-5 hours of professional development (PD) activities	*Pass comprehensive departmental oral exam (consult with supervisor in your 2nd year with regards to timing) *4-5 hours of professional development activities (may achieve PhD candidacy with at least 14 total PD hours)	ABD – All But Dissertation *2 nd seminar (<i>original research</i>) *Complete at least 18 PD hours before scheduling final oral exam
Polymers & Materials	*1-2 grad courses *1 st seminar (<i>literature talk</i>) *CHM3000 *4-5 hours of professional development (PD) activities	*1-2 grad courses *Complete final course credit requirement *2 nd seminar (presentations on <i>the original research</i>) *4-5 hours of professional development (PD) activities	*Pass comprehensive departmental oral exam *4-5 hours of professional development activities (may achieve PhD candidacy with at least 14 total PD hours)	ABD – All But Dissertation *3 rd seminar (presentation on the <i>original research</i>) *Complete at least 18 PD hours before scheduling final oral exam
Interdisciplinary	*1-2 grad courses *seminar requirement will depend on the chosen stream *CHM3000 *4-5 hours of professional development (PD) activities	*1-2 grad courses *Complete final course credit requirement *seminar requirement will depend on the chosen stream *Consult with supervisor regarding timing of comprehensive oral exam. *4-5 hours of professional development (PD) activities	*Pass comprehensive departmental oral exam *seminar requirement will depend on the chosen stream *4-5 hours of professional development activities (may achieve PhD candidacy with at least 14 total PD hours)	ABD – All But Dissertation *seminar requirement will depend on the chosen stream *Complete at least 18 PD hours before scheduling final oral exam

Doctoral students with an MSc degree are able to apply for course load reduction. See http://www.chem.utoronto.ca/grad/phd_guide.php#course for more information. Course credits earned by those who completed their MSc Degree in Chemistry at UofT will be counted towards the doctoral program.