

Suggested Framework for CE Ph.D. Students Admitted for Fall 2018, by CBE Academic Coordinator, Marlo Roetzer							
1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year		4 <sup>th</sup> Year	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
<b>Choose 4 out of the below 6 core courses</b> (3 credits each): <b>CE 509, CE 517, CE 525, CE 531, CE 540, CE 561.</b> With a <b>minimum of 2 courses</b> selected from the sub-set of: <b>CE 509, CE 525, CE 561.</b>	* <b>CE 599</b> -Supervised Teaching (3 credits) * <b>CE 630</b> -CE Research Methods 1 (3 credits)	* <b>CE 631</b> -CE Research Methods 2 (3 credits) * <b>CE 599</b> -Supervised Teaching (3 credits) <u>or</u> <b>1 CE Formal Elective</b> - (3 credits) Consult with your CBE Faculty Advisor for which course to register into.	Any additional formal CE coursework that is needed	<b>CE 659</b> -Dissertation credits consult with your CBE Faculty Advisor.	* <b>CE 660</b> -Dissertation (1 credit)	<b>CE 659</b> -Dissertation (1 credit)	* <b>CE 660</b> -Dissertation (1 credit)
<b>CE 611</b> -CE Seminar (0 cr.)	<b>CE 612</b> -CE Seminar (0 cr.)	<b>CE 611</b> -CE Seminar (0 cr.)	<b>CE 612</b> -CE Seminar (0 cr.)	<b>CE 611</b> -CE Seminar (0 cr.)	<b>CE 612</b> -CE Seminar (0 cr.)	<b>CE 611</b> -CE Seminar (0 cr.)	<b>CE 612</b> -CE Seminar (0 cr.)
	<b>1 CE Formal Elective</b> (3 credits each): CE 500, CE 505, CE 512, CE 527, CE 529, CE 530, CE 534, CE 547, CE 551, CE 621.	If a CE Formal Elective was completed in Spring you may take * <b>CE 601</b> - Individual Problems (3 credits) <u>or</u> <b>1 CE Formal Elective</b> (3 credits)	* <b>CE 602</b> -Individual Problems <u>Note: only a maximum of 18 credits of Individual Problems can be taken total.</u>	<Complete> <b>Application to Candidacy</b> and <b>Certification of Full-Time Status</b> forms, due <b>August 31.</b>			
	For * <b>CE 602</b> -Individual Problems and * <b>CE 660</b> -Dissertation credits consult with your CBE Faculty Advisor.	For <b>CE 659</b> -Dissertation credits consult with your CBE Faculty Advisor.	For * <b>CE 602</b> -Individual Problems and * <b>CE 660</b> -Dissertation credits consult with your CBE Faculty Advisor.				
<b>Total 12 credits</b>	<b>Total at least 9 credits</b>	<b>Total at least 9 credits</b>	<b>Total at least 9 credits</b>	<b>Total Varies</b>	<b>Total 1 credit</b>	<b>Total 1 credit</b>	<b>Total 1 credit</b>

Descriptions of courses offered each semester can be found here: <http://registrar.buffalo.edu/schedules/index.php>

\* = Requires force registration by the department, to request registration go to:

<http://engineering.buffalo.edu/chemical-biological/graduate/current-students/force-registration-form.html>

A minimum of **72 credit hours total** are required, including: 1. A minimum of 24 credits of formal CE courses, 2. A maximum of 18 credits of informal courses, known as Individual Problems, CE 601/602, and 3. A maximum of 30 credits of Dissertation, -CE 659/660.

You can obtain your **Application to Candidacy** and **Certification of Full-Time Status** forms from the University at Buffalo's Graduate School website: <http://grad.buffalo.edu/succeed/current-students/forms.html>

~Make sure you are aware of all Graduate School **deadlines**: <http://grad.buffalo.edu/succeed/graduate/requirements.html>

**ATTENTION: Disclaimer:** The above information includes informal guidelines that are not associated with the CBE Department's official procedures. They are meant to be a basic advising framework for students only and once students are assigned a faculty advisor, they MUST obtain approval from their advisor before registering for classes.