Graduate Council Program Review Summary

Prepared by: Agamemnon Crassidis, Chair, Graduate Council

Program Title	Chemistry	
Originating College	COS	
Program Contact	Christina Collison, Joseph Hornak	
Degree Type	Master of Science, M.S.	
SCH New Program	30	
QCH Old Program	45	
NYSED IRP Code:	09223	
HEGIS Code:	1905.00	
Conversion Type	Type 1 Conversion: ☒	Type 2 Conversion: ☐
Recommendation	Graduate Council recommends **approval** of this program	
Responsible Sub-Group	Graduate Council **Group A**	
Meeting Date/Time	Monday, April 11th, 2011/10:00 am – 10:30 am	
Meeting Attendance	Agamemnon Crassidis (KGCOE); Don Wilson (SCB); Joel Kastner (COS); Uli Linke (CoLA); Kevin Gold (GCCIS); Linda Underhill (CAST); Chip Sheffield (CIAS, At Large); Carole Woodlock (CIAS); Christine Licata (Provost Haefner's Delegate); Mark Fairchild (COS); Joseph Hornak (COS); Christina Collison (COS)	
Meeting Location	CST Rm 82-1150	
Checklist Complete?	Yes	
Concerns?	No major concerns sited. Following material/updates are required: 1. Approved waiver form for 1 SCH seminar courses (send to Dean of Graduate Studies) 2. Two separate Table 1b, one for Project option and one for Thesis option 3. Typos on page 4 of the state form (Pasture is misspelled) 4. Box for new courses in Table 1b should contain a check mark, "X" instead of a "Y" for any new courses listed 5. Table 1a is for the UG form and should not be included in the graduate forms 6. Proposed program contains several 500 level courses that are not allowed for Graduate programs	
Discussion	The proposed semester-based program is a direct conversion from the current quarter-based model (45 QCH to 30 SCH). The current program is one of the original Master's programs offered at RIT. The program is structured using a strong student advisor type model. The proposed new program structure is as follows: the students must take five 3 SCH Graduate Chemistry focus courses (15 SCH total); the students must take four 1 SCH Graduate Chemistry seminar courses (4 SCH total); the students must take a 1 SCH Graduate Chemistry writing course (1 SCH total); the students complete the program requirements by choosing a 10 SCH Thesis or a 7 SCH Project as the culminating element, students who choose the Project option are required to take another course elective (10 SCH total). The proposed program contains eight new courses: **CHEM-770 Grad Chemistry Seminar 1**;	

	CHEM-774 Grad Chemistry Seminar 3; **CHEM-670 Grad Chemical Writing**; **CHEM-725 The Magnetic Resonance Family**; **CHEM-750 NMR Spectrometer Maintenance**; **CHEM-751 Colloid and Interface Science**; **CHEM-752 Photochemistry & Photophysics**; **CHEM-753 Computational Chemistry**. The following courses were deleted: **1014-742 Survey of Physical Chemistry** and Chemistry Electives Outside of Department. The culminating element is either a 10 SCH Thesis or a 7 SCH Project. -Don Wilson: asked which course was the writing course? -Ans from Christina Collison: it is the CHEM-670 Graduate Chemistry Writing taken in the Fall 1 Year 1 semester. -Don Wilson: inquired what is in the graduate seminar? -Ans from Christina Collison: speaker are in the first seminar, the students present in the second graduate seminar (thesis or project proposal), the students invite and host a speaker in the third seminar, and the fourth seminar the students defend their thesis. -Ans from Joseph Hornak: the seminars are setup as to provide the students more program depth to give them experience. -Agamemnon Crassidis: indicated that there was at least five 1 SCH courses proposed which is over the limit of three and asked if a waiver was granted? -Ans from Christina Collison: assured the Graduate Council membership a waiver request will be sent to the Dean of Graduate Studies. -Agamemnon Crassidis: asked how the Thesis is broken up in the proposed curriculum? -Ans from Christina Collison: 1 SCH is taken in Spring 1 (thesis proposal), 4 SCH are taken in Summer 1, 2 SCH in Fall 2, and 3 SCH in Spring 2. -Agamemnon Crassidis: asked what the difference was between the project and the thesis? -Ans from Christina Collison: thesis is 10 SCH and a project is 7 SCH and the students are required to take an extra elective course. -Agamemnon Crassidis: indicated Table 1b should reflect that and maybe the forms should include two tables for each option (project or thesis). -Ans from Christina Collison: assured the Graduate Council membership that two separate Table 1b would be included in final documentation. -Don Wilson: asked about the structural content difference between the project and the thesis? -Ans from Christina Collison: project is more experience based compared to more novelty/research based thesis. -Agamemnon Crassidis: wondered if the students who perform the project option can go on for a PhD in Chemistry or is it a terminal degree? -Ans from Christina Collison: no it is not a terminal degree. Typically PhD program in Chemistry allow only 1-2 courses to be counted towards the PhD work so in essence only a ½ is shaved off for students entering a PhD program. So the degree with either culminating options (project or thesis) can be used to enter a PhD program. -Christine Licata: indicated that the SCH load for each proposed semester is below 9 SCH so the students would never be considered fulltime students? -Ans from Christina Collison: no, most are fulltime.

	-Ans from Joseph Hornak: students TA up to 3 labs each semester so that FTE is available to all the students enrolled in the program. -Agamemnon Crassidis: wondered if that was true for every semester? -Ans from Christina Collison: yes, except the summer semester. -Chip Sheffield: noted on the bottom of page 4 that "Pasture" is misspelled in the Creative and Thinking subsection. Also, probably should not mention that "chemistry established by the billions of scientific discoveries from past scientists" in same sections. Indicated billions is probably not a good term to use and maybe replaced with "significant" or "ground breaking" or "major". -Ans from Christina Collison: assured the Graduate Council membership the documents would be changed to reflect the suggested recommendations. -Chip Sheffield: wondered if the current MS program was accredited? -Ans from Joseph Hornak: it is not, UG program is accredited by ACS (American Chemical Society). ACS does not accredit graduate programs. Will show in the documentation that the UG program is accredited.

Vote Tally	Approve: **10**	Not Approve: **0**	Abstain: **0**
Signature	Agamemnon Crassidis	Agamemnon Crassidis	