138: PHD - CHEMISTRY

In Workflow

a. SACSCOC Accreditation Liaison (lorrie.smith@utsa.edu; KASEY.NEECE-FIELDER@UTSA.EDU; debbie.howard@utsa.edu)
b. CHEM Grad Curriculum Committee Chair (oleg.larionov@utsa.edu)
c. CHEM Chair (audrey.lamb@utsa.edu)
d. SC Graduate Curriculum Committee Chair (jose.lopezribot@utsa.edu)
e. SC Associate Dean of Graduate Studies (jose.lopezribot@utsa.edu)
f. SC Dean (Davidr.silva@utsa.edu)
g. GR Vice Provost (rebecca.weston@utsa.edu; ambika.mathur@utsa.edu)
h. GR Academic Council Approval (ambika.mathur@utsa.edu; ginger.hernandez@utsa.edu)
i. Graduate Council Chair (corey.sparks@utsa.edu)
j. Faculty Senate Chair (rene.zenteno@utsa.edu)
k. Academic Affairs (vpaa.fms@utsa.edu;angela.griffith@utsa.edu;catarina.rodriguez@utsa.edu)
l. SACSCOC Accreditation Liaison (lorrie.smith@utsa.edu; KASEY.NEECE-FIELDER@UTSA.EDU; debbie.howard@utsa.edu)
m. Catalog Editor (CatalogEditor@utsa.edu)

Approval Path

a. Mon, 28 Mar 2022 16:13:45 GMT
Lorrie Smith (lni126): Rollback to Initiator
b. Mon, 28 Mar 2022 16:36:43 GMT
Lorrie Smith (lni126): Approved for SACSCOC Accreditation Liaison
c. Mon, 28 Mar 2022 16:42:54 GMT
Oleg Larionov (bkn895): Approved for CHEM Grad Curriculum Committee Chair
d. Wed, 30 Mar 2022 18:01:22 GMT
Audrey Lamb (lzn994): Approved for CHEM Chair
e. Wed, 30 Mar 2022 18:10:46 GMT
Jose Lopez-Ribot (mve416): Approved for SC Graduate Curriculum Committee Chair
f. Wed, 30 Mar 2022 18:11:57 GMT
Jose Lopez-Ribot (mve416): Approved for SC Associate Dean of Graduate Studies
g. Wed, 30 Mar 2022 19:08:37 GMT
David Silva (bem788): Approved for SC Dean
h. Wed, 30 Mar 2022 19:24:58 GMT
Ambika Mathur (ujl745): Approved for GR Vice Provost
i. Wed, 30 Mar 2022 19:26:03 GMT
Ambika Mathur (ujl745): Approved for GR Academic Council Approval
j. Wed, 30 Mar 2022 20:28:24 GMT
Debbie Rappaport (fjs556): Rollback to GR Academic Council Approval for Graduate Council Chair
k. Mon, 02 May 2022 20:21:12 GMT
Ambika Mathur (ujl745): Approved for GR Academic Council Approval
l. Tue, 17 May 2022 15:20:15 GMT
Jurgen Engelberth (vyt830): Approved for Graduate Council Chair
m. Wed, 18 May 2022 21:12:43 GMT
Chad Mahood (zqa464): Approved for Faculty Senate Chair
n. Mon, 06 Jun 2022 03:47:37 GMT
Angela Griffith (gqm272): Approved for Academic Affairs
o. Mon, 06 Jun 2022 20:42:07 GMT
Debbie Rappaport (fjs556): Rollback to Graduate Council Chair for SACSCOC Accreditation Liaison

History

a. Nov 8, 2021 by clmig-kxayasene

New Program Proposal

Date Submitted: Mon, 28 Mar 2022 16:14:58 GMT

Viewing: 138 : PHD - Chemistry

Last approved: Mon, 08 Nov 2021 19:15:33 GMT

Last edit: Tue, 27 Sep 2022 14:36:11 GMT

Changes proposed by: Lorrie Smith (lni126)

During the normal catalog revision cycle, catalog updates may be included with all change types except for closing a program and off-campus instructional site changes. Choose the Catalog Update option for normal catalog revisions and for modifying a concentration.

Change Type
Add a Concentration

Administrative Information

Submitter Information

Name
Marina Gonzalez

Email
marina.gonzalez@utsa.edu

Title
Senior Administrative Associate

Department
Chemistry
Select Not Applicable for Department if this is a College Level Program. Then select the appropriate college.

College
Sciences

Effective Catalog Edition
2023-2024

New Program Proposal

Program Name
PHD - Chemistry

Desired Implementation Date
8/16/22

Program Type
Doctoral Degree

Program Level
Graduate

A college-level program is a degree program associated with a college instead of a department.

Catalog Integration

Catalog Integration: Provide a description of the program, including any program-specific or department-specific admission requirements.

Doctor of Philosophy Degree in Chemistry

The Department of Chemistry offers opportunities for advanced study and research leading to the Doctor of Philosophy (Ph.D.) degree in Chemistry. The Ph.D. degree in Chemistry is awarded to candidates who have displayed an in-depth understanding of the subject matter and demonstrated the ability to make an original contribution to knowledge in their field of specialty.

Ph.D. students whose main research is in Biochemistry may select it as an area of emphasis (Doctor of Philosophy Degree in Chemistry with an emphasis in Biochemistry). The students selecting this option must take CHE 5313 Advanced Biochemistry as one of the Core curriculum courses.

The complete set of requirements for the Ph.D. in Chemistry is described in the Chemistry Ph.D. Program Handbook (https://chemistry.utsa.edu/). The regulations for this degree comply with the general University regulations (refer to Student Policies, General Academic Regulations, and the Graduate Catalog, Doctoral Degree Regulations).

Admission Requirements

In addition to satisfying the University-wide graduate admission requirements, applicants must have earned a Bachelor of Arts or a Bachelor of Science degree from an accredited university and a minimum grade point average of 3.0 (on a 4.0 scale) in upper-division and graduate work, preferably in Chemistry or Biochemistry. Graduate Record Examination (GRE) scores are not required. At least two letters of recommendation from persons familiar with the applicant's undergraduate (and graduate, where applicable) scholastic record together with a meaningful statement of research interests and career goals (250–500 words) and a curriculum vitae must be sent to the Graduate School at the same time application is made for admission to UTSA.

Applicants whose native language is not English must submit scores from the Test of English as a Foreign Language (TOEFL) IBT. The English Language Assessment Procedure is a mandatory assessment for incoming international students whose TOEFL iBT scores are between 79 and 100. See Student Policies, Admission Policies, for details.

Degree Requirements – For undergraduate programs, list the required/core courses, general education courses, and prescribed and free elective courses for the program, along with total semester credit hours required. For graduate programs, list the required/core courses, support courses, approved elective courses, thesis/non-thesis option (master's) and doctoral requirements for the program, along with total semester credit hours required.

Degree Requirements

The Ph.D. degree requires a minimum of 75 semester credit hours beyond the baccalaureate degree. The curriculum consists of 18 semester credit hours of formal coursework, required teaching, research, and completion of the dissertation following advancement to candidacy. Enrollment in the Chemistry Research Colloquium and/or Graduate Seminar in Chemistry is required each semester of enrollment and may be taken for a maximum combined total of 12 semester credit hours. A minimum of 45 semester credit hours in doctoral research, including 10 semester credit hours of doctoral dissertation, must be completed. The student must have a grade point average of 3.0 or greater (on a 4.0 scale) in the core courses and elective courses combined. Each student must be a teaching assistant for a minimum of one academic year. Other requirements include (but are not limited to) the written dissertation, and the final oral examination. The final oral examination consists of a public presentation of the dissertation and a closed oral defense which are evaluated by the student's Doctoral Studies Committee. Students matriculating with a Master's degree may use up to 30 semester credit hours toward the degree, provided the courses are comparable to core and elective courses.

Program of Study

Code	Title	Credit Hours
A. Core curriculum. (9 semester credit hours selected from the following; for Biochemistry emphasis, CHE 5313 required plus 6 semesters credit hours selected from the following):		9
CHE 5263	Advanced Analytical Chemistry	
CHE 5313	Advanced Biochemistry	
CHE 5453	Advanced Inorganic Chemistry	
CHE 5643	Advanced Organic Chemistry	
CHE 5843	Advanced Physical Chemistry	
B. Colloquia and seminars (maximum 12 semester credit hours required):		12
CHE 5981	Graduate Seminar in Chemistry	
CHE 7911	Chemistry Research Colloquium	
C. Doctoral research (minimum 45 semester credit hours required):		45
CHE 5922	Research and Teaching Practice and Ethics	
CHE 7913 RESEARCH PROPOSAL DEVELOF	Course CHE 7913 RESEARCH PROPOSAL DEVELOPMENT Not Found	
Directed Research (Select a minimum of 12 semester credit hours of the following):		
CHE 6991	Directed Research	
CHE 6992	Directed Research	
CHE 6993	Directed Research	
CHE 6994	Directed Research	
CHE 6995	Directed Research	
CHE 6996	Directed Research	
CHE 6997	Directed Research	
Doctoral Research (Select a minimum of 18 hours of the following):		
CHE 7921	Doctoral Research	
CHE 7922	Doctoral Research	
CHE 7923	Doctoral Research	
CHE 7926	Doctoral Research	
CHE 7927	Doctoral Research	
CHE 7928	Doctoral Research	
Doctoral Dissertation (Select a minimum of 10 hours of the following):		
CHE 7931	Doctoral Dissertation	
CHE 7932	Doctoral Dissertation	

CHE 7933	Doctoral Dissertation	
CHE 7936	Doctoral Dissertation	
CHE 7937	Doctoral Dissertation	
CHE 7938	Doctoral Dissertation	
D. A minimum of 9 semester credit hours of electives in chemistry, as approved by the Ph.D. Research Advisor and the Graduate Curriculum Committee.		9
Total Credit Hours		**75**

The entire program of study must be approved by the student's Doctoral Research Advisor, Doctoral Studies Committee, and Graduate Program Committee and must be submitted to the Dean of the Graduate School for final approval.

Advancement to Candidacy

All students seeking a doctoral degree at UTSA must be admitted to candidacy. One of the requirements for admission to candidacy is passing the Qualifying Examination. The Qualifying Examination is divided into written and oral portions. A Dissertation Research Proposal (DRP) constitutes the written portion, and defense of the DRP constitutes the oral portion. The oral portion must be presented no later than one month following submission of the written portion. The student's performance on both the written and oral portions is evaluated by the student's Doctoral Studies Committee.

Attach File

doctoral_biochem_emphasis_proposal_rev DRS (1)1.pdf

Reviewer Comments

Lorrie Smith (lni126) (Mon, 28 Mar 2022 16:13:45 GMT): Rollback: Rolling back to you to try to correct workflow. You do not need to take any action on this.

Lorrie Smith (lni126) (Mon, 28 Mar 2022 16:36:24 GMT): Dr. Lamb, please include catalog copy in the catalog integration points of this proposal so that the emphasis can be added to the catalog.

Audrey Lamb (lzn994) (Wed, 30 Mar 2022 17:57:36 GMT): We need to add this class: CHE 7913 Research Proposal Development (3-0) 3 Credit Hours. Prerequisites: Graduate standing in Chemistry or consent of instructor. The course is intended to provide students with a hands-on experience in the development of a research grant proposal. Topics will include development of specific aims, literature review, biosketch, and other grant components. Technical aspects, such as scientific database and literature searches, the use of chemical drawing and reference management software, as well as general principles of effective grant writing and proposal review will also be covered. The course will culminate in the development and oral presentation of a NIH/NSF-style research proposal.

Debbie Rappaport (fjs556) (Wed, 30 Mar 2022 20:28:24 GMT): Rollback: Per Ginger/Ambika's request - Rolling back until presented/approved at Academic Council

Debbie Rappaport (fjs556) (Mon, 06 Jun 2022 20:42:07 GMT): Rollback: Rolling back per Ambika Mathur so that the concentration can be reviewed by the Graduate Council

Key: 138