Ph.D. in Chemistry

Degree Requirements

The academic regulations for this degree program, as entered in the University of Mississippi Catalog, are in effect for the current or selected academic year and semester. The University of Mississippi reserves the right to 1) change or withdraw courses; 2) change rules for registration, instruction, and graduation; and 3) change other regulations affecting the student body at any time.

Major Requirements

REQUIREMENT	HOURS	DESCRIPTION
Chem 600	3	Complete Chem 600 with a passing grade.
Chem 797	18	Complete at least 18 hours of dissertation credit (Chem 797).
18 hrs course work	18	Student must complete at least 18 hours of formal nonremedial lecture courses as approved by his/her GPC/Chair.
Comprehensive exam		Student must pass a comprehensive examination. A series of cumulative examinations and a research proposal/dissertation prospectus constitutes the student's comprehensive examination requirements for the Ph.D. degree.
Cumulative exams		Student must pass a minimum of four cumulative examinations. Some divisions may impose a higher number than four. A student may receive credit for no more than two exams from any one professor.
Oral defense		Every candidate for the Ph.D. degree must successfully pass a final oral examination (defense of dissertation) administered by the student's dissertation committee and scheduled by the Graduate School.
Proposal/prospectus		Student must complete a research proposal or a dissertation prospectus. An original research proposal of 10-15 pages is prepared in a professional format on the subject of the student's dissertation research. The proposal is defended ina an oral examination. A three-page overview of the research proposal, outlining the work to be completed for the dissertation, will be submitted as the dissertation prospectus.
Seminars	3	Student must make three seminar presenations (Chem 650 and Chem 659): an initial oral presentatoin, which may be either a reearch seminaor or a literature seminar; an oral or poster presentation describing the student's research; and a final seminar based on teh student's dissertation.
Submit Dissertation		Student must submit a dissertation to his/her GPC/Chair. The dissertation must conform to the regulations governing style set forth in "A Manual of Thesis and Dissertations Preparations", available in the Graduate School Office. Two copies of the dissertation must be presented to the Graduate School after the final examination for the doctorate has been accepted and before the beginning of the regular examination period for the semester in which the candidate plans to graduate.
GPA requirements		A cumulative average of not less than 3.0 (B) must be achieved in all graduate work taken.
Liberal Arts Dean's approval		This Degree Audit program is an advising tool only. The student must still apply for a degree by returning a completed Degree Application Form to the dean's office before the last day to add classes in the semester preceding the semester in which the stuent expects to graduate. The Dean's Office will make the final certification that the courses listed on the application qualify the student for graduation. The Dean's Office will also determine if other university requirements (GPA, etc.) have been met.

Major Requirements II

REQUIREMENT	HOURS	DESCRIPTION
Complete 4 of 5		Student must take one core course from each of four of the five speciality areas: analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, and physical chemistry.
Analytical chemistry	3	Student must complete one of the following analytical chemistry courses: Chem 512 or chem 515.
Biochemistry	3	Student must complete one of the following biochemistry courses: Chem 534 or Chem 671.
Inorganic chem	3	Student must complete one of the following inorganic chemistry courses: Chem 601 or Chem 602.
Organic chemistry	3	Student must complete one of the following organic chemistry courses: Chem 527 or Chem 528.
Physical chem	3	Student must complete one of the following physical chemistry courses: Chem 531, Chem 532 or Chem 536.