DOCTORAL DEGREE REQUIREMENTS

General policies for all University of Oklahoma doctoral programs are available in the Graduate College Bulletin.

DOCTOR of PHILOSOPHY

D170/R101

MAJOR: Chemistry and Biochemistry

CONCENTRATION: Chemistry

DISCIPLINARY EMPHASIS: Biochemistry

Program effective Fall 2015

Graduate courses that are a part of Programs of Study in the Department of Chemistry and Biochemistry are denoted as CHEM G5XYZ, where X is the program of study, Y is the sequence of number within that Program of Study (for Y= 0-9), and Z is the number of credit hours as follows:

O Departmental Requirements 5 Physical

Y = 0-2 Introductory Instruction **Z** = 0-4 Credit Hours (modules)

1 Analytical 6 Chemical Education 7 Structural Biology

3-5 Advanced Instruction

2 Biochemistry 8 Unused 3 Inorganic

6-7 Special Topics or Electives 8 Practicum

4 Organic

9 Interdisciplinary or custom

9 Seminar

COURSEWORK REQUIREMENTS

Department Co	ourses and Seminar Requirements	
•	llment in CHEM 5090 Departmental Colloquium is required (0 credit hours).	
	Fundamentals I	
	Fundamentals II	
☐ CHEM 5080	Laboratory Rotations	iours
□ CHEM 5291	Seminar in Biochemistry1-12 h	iours
Continuous er	prollment in 5291 is required after the first semester, up to 12 credits.	
	Total5-16 h	ours
☐ Focus Δrea/I	Breadth Course Requirements16+ h	ours
Minimum of	f 16 credit hours in letter-graded courses in the CHEM course inventory at the G5XYZ =0-8) including:	ours
	Course Requirements—Up to 3 credits of student advisory committee-approved graduate outside the department may count for focus area credit.	
☐ Mini	mum 6 hours from:	-7
CHE	M 5200 Principles of Biochemistry, and/or	
CHE	M 5210 Molecular Biology, <u>and/or</u>	
CHE	M 5240 Biochemical and Biophysical Methods6+ h	ours
☐ Mini	mum 6 hours from: LST 1909	
CHE	M 5260 Special Topics in Biochemistry I, <u>and/or</u>	
CHE	M 5270 Special Topics in Biochemistry II, <u>and/or</u>	
CHE	M 5280 Practicum in Biochemistry6+ h	iours
Breadth Cour	rse Requirement	
☐ Minimum 4 hours CHEM 5XY0 (X≠0 or 2, Y=0-8)4-		ours
	GRADUATE COLLEGE	
☐ Directed Stu	dies/Dissertation Research2+ h	ours
2 hours minim	num CHEM 6980 Research for Doctoral Dissertation.	
Up to 9 credit	s CHEM 5990 Independent Studies. Up to 6 credits CHEM 5960 Directed Readings in Chemistry.	