

CON Pharm Sci PHD Pharmaceutical Sciences

Under Review | Spring 2024

Proposal Information

Status Active	Workflow Status In Progress Faculty Senate, Faculty Senate Waiting for Approval Faculty Senate Approval Rick Holmes Nancy Middlebrook Changes <ul style="list-style-type: none">Concentration RequirementsDegree HoursDegree RequirementsSponsoring faculty/staff emailSponsoring faculty/staff member Show All ▼	expand ▲
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Proposal Information

Proposed	Proposed	
Sponsoring faculty/staff member ⓘ	Sponsoring faculty/staff email	
Seth Daly	sdaly@salud.unm.edu	
Existing	Existing	
Sponsoring faculty/staff member ⓘ	Sponsoring faculty/staff email	
College	Department	Campus
School of Medicine	Biomedical Sciences Graduate Program	Health Sciences Center (Albuquerque)

Effective Term and Year

Proposed

Proposed Effective Term and Year

Spring 2024

Existing

Proposed Effective Term and Year

Fall 2006

Justification

Proposed

Concentration Justification

The Pharmaceutical Sciences concentration requires significantly more credit hours in comparison to other program concentrations. After reviewing the course requirements at a recent faculty retreat, we are requesting that the total required credit hours be reduced from 30 to 24 credit hours. Which is similar to most of the other Biomedical Science Graduate Program concentrations.

Existing

Concentration Justification

Associated Forms

Select any associated course forms that exist

Select any associated program forms that exist

Program Information

Degree Name

PhD BioMed Sci - Doctor of Philosophy in Biomedical Sciences

Degree Type

Doctor of Philosophy

Program Type

Doctoral

Program Description

No Parent Selected

Proposed
Degree Hours

Minimum Major Hours

66

Existing
Degree Hours

36

Degree Requirements

- Complete all of the following
 - Complete the following:
 - BIOM501 - Fundamentals for Graduate Research (1)
 - BIOM507 - Advanced Molecular Biology (4)
 - BIOM508 - Advanced Cell Biology (4)
 - BIOM522 - Experimental Design and Methods in Molecular and Cellular Biosciences (3)
 - BIOM525 - Journal Club: Cell and Molecular Basis of Disease (2)
 - BIOM530 - Seminar: Cell and Molecular Basis of Disease (1)
 - BIOM555 - Problem-Based Research Bioethics (1)
 - Earn at least 2 credits from the following types of courses:
Departmental seminars which may include additional BIOM 530.
 - Earn at least 2 credits from the following types of courses:
Graduate statistics.
 - 3 lab rotations.
 - Earn at least 9 credits from the following types of courses:
Choice of a minimum of 9 credit hours selected from an approved list of course offerings which vary by concentration. Concentration entries for course lists.
 - Earn at least 19 credits from the following types of courses:
additional coursework to meet the minimum PhD coursework requirement of 48 credits.
 - Earn at least 18 credits from the following:
 - BIOM699 - Dissertation (3 - 12)

Grand Total Credits: 66

Concentration Information

Concentration Title

Pharmaceutical Sciences

Program Level

Graduate

Concentration Requirements

- Complete all of the following
 - Complete the following:
 - PHRM576 - Molecular and Cellular Pharmacology (3)
 - Complete at least 2 of the following:
 - BIOM509 - Principles of Neurobiology (3)
 - BIOM510 - Physiology (3)
 - BIOM514 - Immunobiology (3)
 - BIOM515 - Cancer Biology (3)
 - MPHY516 - Fundamentals of Medical Imaging (3)
 - Earn at least 6 credits from the following:
 - PHRM593 - Pharmaceutical Sciences and Toxicology Seminar (1)
 - Earn at least 15 **9** credits from the following:
 - PHRM536 - Introduction to Pharmacogenomics (2)
 - PHRM549 - Regulatory Issues in Clinical Trials (2)
 - PHRM580 - General Toxicology (3)
 - PHRM594 - Topics in Environmental Disease (1 - 3)
 - PHRM597 - Research Problems in Pharmaceutical Sciences (1 - 6)
 - PHRM598 - Topics in Pharmaceutical Sciences (1 - 3)
 - If PHRM 598 is chosen, acceptable titles are Pharmaceutical Sciences and Host-Pathogen Journal Club; courses can be taken for 1-4 credits. Other graduate courses relevant to the student's area of study recommended **and approved** by the Committee on Studies may also be used to satisfy the above requirement.

Grand Total Credits: 24

Concentration Description

The concentration in Pharmaceutical Sciences conforms to the basic requirements of the BSGP degree programs. Students in this concentration will conduct research studies under the mentorship of a faculty member, or an affiliated faculty member, of the Department of Pharmaceutical Sciences, an academic department of the University of New Mexico College of Pharmacy. The department is dedicated to the advancement of knowledge and understanding of pharmacology, toxicology, and the pharmaceutical sciences and to the comprehensive education and training of students in the pharmaceutical sciences. In recognition of the need for greater interdisciplinary and transdisciplinary graduate training, the Pharmaceutical Sciences concentration has been developed to allow students to articulate individualized training goals and plans for targeted career development. The flexible curriculum will enable students to conduct investigations in the fundamental areas of pharmaceutical sciences, focusing on two main areas of study; 1) pharmaceuticals; and 2) pharmacology/toxicology. The concentration is designed to offer required and elective courses as well as professional career development that is relevant to all programs, yet with sufficient flexibility to enable trainees to focus on selected areas of interest.