

Curriculum Requirements

Pharmaceutical Sciences Concentration

YEAR 1

During the first year, students in the Pharmaceutical Sciences concentration must take three (3) required courses chosen from the list below, plus three (3) elective courses that can be selected from 1) the below list, 2) the Pharmacology Concentration required course list (see p. 11), and/or 3) the MCP electives list (see MCP Handbook). Elective courses must be approved by the Graduate Advisor.

Required Courses (select three)

PHARM 254 – Introduction to Pharmacology

PHARM 255 – Chemical Transmission

PHRMSCI 223 – Biological Macromolecules

PHRMSCI 272 – Special Topics in Pharmaceutical Sciences (topics change quarterly/annually)

PHRMSCI 274 – Nanomedicine (offered biennially)

PHRMSCI 277 – Medicinal Chemistry

PHRMSCI 278 – Stem Cell Therapy

Elective Courses

Elective courses are very flexible as to meet the need of each individual student's goals. As a guide, we have created a list of courses each faculty feel students interested in working in their labs should take. For additional guidance, discuss the courses with the particular faculty member or with the Graduate Advisor.

Additional Courses

PHRMSCI 250A/B/C – Topics in Pharmaceutical Sciences*

PHARM 257 – Ethics in Research or equivalent (Responsible Conduct of Research training – [UC Learning Center](#) online modules – once completed, send the SAO the certificate of completion)

PHRMSCI 399 – University Teaching (or equivalent in the respective department for which you are TAing) – You must enroll in the course every quarter you are employed as a TA.

Comprehensive Exam

* Completion of this course series, including the final paper, fulfills your advancement exam requirement. If you do not complete this course series, you must take a separate, additional written comprehensive exam.

Curriculum Requirements Cont.

Fall	Winter	Spring
PHRMSCI 223; and/or PHARM 254; and/or Other Elective PHRMSCI 250A PHRMSCI 298 (Seminar) PHRMSCI 280 (Lab Rotation)	PHRMSCI 277; and/or Other Elective PHRMSCI 250B PHRMSCI 298 (Seminar) PHRMSCI 280 (Lab Rotation)	PHARM 255; and/or PHRMSCI 272; and/or PHRMSCI 278; and/or Other Elective PHRMSCI 250C PHRMSCI 298 (Seminar) PHRMSCI 280 (Lab Rotation) PHRMSCI 399 (TAship)

YEARS 2-5

After your first year, your research advisor may suggest additional elective coursework. You must also enroll in PHRMSCI 280 and PHRMSCI 298 **each quarter** for a minimum of 12 units total until you complete your degree.