

Master of Science Program in Radiopharmaceutical Sciences (Radiopharmacy)

Curriculum and Requirements

Suggested Curriculum ¹

Requirements:

Plan I (Basic Sciences Track With Thesis Work, 32 hours)

Total Required Core (22) and Elective (4) Hours: **26**

Thesis Hours: **6**

Year 1

Pharmacy 511: Nuclear Pharmacy Instrumentation (3)

Pharmacy 516: Radiopharmacology (3)

Pharmacy #592: Seminar (2)

Pharmacy ^{*}413: Health Physics/Radiation Biology (3)

Pharmacy ⁺512: Radiopharmaceutical Chemistry (2)

Elective(s) (2-4)

TOTAL: 17

Year 2

Pharmacy ⁺521: Radiopharmaceutics(2)

Pharmacy ⁺518: In Vitro Radiotracer Procedures (2)

Pharmacy ⁺519L: Instrumentation and In Vitro Laboratory (2)

Pharmacy ⁺523: Clinical Nuclear Medicine (1)

Pharmacy #592: Seminar (2)

Pharmacy 599: Thesis (6)

Elective(s) (2-4)

TOTAL: 15

¹ Note: The suggested plan of study, with each student's Committee on Studies determining the actual schedule and courses that will be required for completion of the MS degree. A research project is also required of all students, the results of which are presented in written format as a thesis to fulfill the requirements of the final semester of the core-curriculum course Pharmacy 592.

^{*} Approved for graduate credit (additional work required for graduate students)

⁺ Courses taught every other year

Three semesters of Pharmacy 592 are normally required for graduation, one of which must be the semester in which the student intends to present the results of his/her thesis work.

Suggested Curriculum ¹

Requirements:

Plan I (Clinical Track with Thesis Work, 32 hours)

Total Required Core (18) and Elective (8) Hours 26

Year 1

Pharmacy 511: Nuclear Pharmacy Instrumentation (3)

Pharmacy 516: Radiopharmacology (3)

Pharmacy #592: Seminar (2)

Pharmacy *413: Health Physics/Radiation Biology (3)

Pharmacy +512: Radiopharmaceutical Chemistry (2)

Elective(s) (5)

TOTAL: 18

Year 2

Pharmacy +521: Radiopharmaceutics (2)

Pharmacy +523: Clinical Nuclear Medicine (1)

Pharmacy #592: Seminar (2)

Pharmacy 599: Thesis (6)

Elective(s) (3)

TOTAL: 14

¹ Note: This is a suggested plan of study, with each student's Committee on Studies determining the actual schedule and courses that will be required for completion of the MS degree.

* Approved for graduate credit (additional work required for graduate students)

+ Courses taught every other year

Three semesters of Pharmacy 592 are required for graduation, one of which must be the semester in which the student intends to present the results of his/her thesis work.

Plan II (Clinical Track, 34 hours)

Total Required Core (24) and Elective (10) Hours 34

Year 1

Pharmacy 511: Nuclear Pharmacy Instrumentation (3)

Pharmacy 516: Radiopharmacology (3)
Pharmacy #592: Seminar (2)
Pharmacy *413: Health Physics/Radiation Biology (3)
Pharmacy *419: Radiopharmacy Management (1)
Pharmacy +512: Radiopharmaceutical Chemistry (2)
Elective(s) (0-4)

TOTAL: 17

Year 2

Pharmacy +521: Radiopharmaceutics(2)
Pharmacy *418L: Nuclear Pharmacy Practicum(3)
Pharmacy 517: Nuclear Pharmacy Patient Care Practicum (3)
Pharmacy +523: Clinical Nuclear Medicine(1)
Pharmacy 525: Nuclear Pharmacy Practice II(3)
Pharmacy #592: Seminar (2)
Elective(s) (0-6)

TOTAL: 17

¹ Note: This is suggested plan of study, with each student's Committee on Studies determining the actual schedule and course that will be required for completion of the MS degree.

* Approved for graduation credit (additional work required for graduation students)

+ Course taught every other year

Two semesters of Pharmacy 592 are normally required for graduation, one of which must be the semester in which the student intends to present the results of his/her thesis work.

As required by student's research project, all MS programs:

- Radiation Safety Course
- Animal Training Course
- Bloodborne Pathogen Course