



BS/MS Pharmaceutical Sciences Track **(Non-Thesis Project)** Effective FALL 2025

YEAR FOUR

Fall Courses	Hours	Spring Courses	Hours
PMCY 6200* Pharm'kinetics & Pharm'dynamics	3	PMCY 6300* Medicinal Chemistry	3
PMCY 6500* Pharm Drug Development	3	PMCY 6600* Biological Therapeutics	3
PMCY 6500L* Pharm Drug Development Laboratory	2	PMCY 6510* Adv Drug Delivery Systems	3
PMCY 4960 Pharmaceutical Sciences Research I	2	PMCY 6510L* Adv Drug Delivery Systems Lab	2
Major Elective	3	PMCY 4970 Pharmaceutical Sciences Research II	2
Major Elective	3	ENGL 3590W Technical and Professional Comm	3
Total	16	Total	16

*For DD program - only 12 credit hours will be counted towards MS, you can choose the remaining as 4XXX level

Summer Courses	Hours
PHRM 7080 Pharmaceutical Sciences Internship OR	6
PHRM 6800 Applied Project in Pharm Biomed Sci	3
PHAR 7100E Biostatistical Appl for Pharm Biotech Ind	3
PHRM 7230E Ethical Issues in Research	3
Total	9/12

PHAR 7100E SUMMER OR SPRING

YEAR FIVE

Fall Courses	Hours	Spring Courses	Hours
PHRM 8200 Pharm and Biomed Sci Seminar	1	PHAR 7100E Biostatistical Appl for Pharm Biotec Ind	3
PHRM 8250 Presentation Skills	1	PHRM 8200 Pharm and Biomed Sci Seminar	1
PMCY 6410E Robotics in Drug Discovery	2	PHRM 8250 Presentation Skills	1
PMCY 6420E Comp App in Drug Disc and Tox OR	2	PHRM 6950 Applied Project Writing and Defense	6
PMCY 6430E Biopharmaceutics and Pharm'kinetics	2		
PHRM 6800 Applied Project in Pharm Biomed Sci	3		
GRSC 7001 GradFIRST Seminar	1		
Total	10	Total	11

TOTAL CREDIT HOURS FOR MS - 12 + 27 = 39

PMCY 6410/6420/6430E – only 4 credits required

Selection of a major advisor and PHRM 6800 Master's Applied Project needs to be discussed with the Major Advisor in **YEAR FOUR**. MS project work to be completed and presented in PHRM 6950 Spring Year FIVE.

BS/MS Pharmaceutical Sciences Track **(Thesis)** Effective FALL 2025

YEAR FOUR

Fall Courses		Hours	Spring Courses		Hours
PMCY 6200*	Pharm'kinetics & Pharm'dynamics	3	PMCY 6300*	Medicinal Chemistry	3
PMCY 6500 *	Pharm Drug Development	3	PMCY 6600*	Biological Therapeutics	3
PMCY 6500L*	Pharm Drug Development Laboratory	2	PMCY 6510*	Adv Drug Delivery Systems	3
PMCY 4960	Pharmaceutical Sciences Research I	2	PMCY 6510L*	Adv Drug Delivery Systems Lab	2
Major Elective		3	PMCY 4970	Pharmaceutical Sciences Research II	2
Major Elective		3	ENGL 3590W	Technical and Professional Comm	3
Total		16	Total		16

***For DD program - only 12 credit hours will be counted towards MS, you can choose the remaining as 4XXX level**

Summer Courses	Hours
PHRM 7000 Master's Research	3
PHAR 7100E Biostatistical Appl for Pharm Biotech Ind	3
PHRM 7230E Ethical Issues in Research	3
Total	9

PHAR 7100E SUMMER OR SPRING

YEAR FIVE

Fall Courses		Hours	Spring Courses		Hours
PHRM 7000	Master's Research	3	PHAR 7100E	Biostatistical Appl for Pharm Biotec Ind	3
PHRM 8200	Pharm and Biomed Sci Seminar	1	PHRM 7000	Master's Research	3
PHRM 8250	Presentation Skills	1	PHRM 7300	Master's Thesis	3
PMCY 6410E	Robotics in Drug Discovery	2	PHRM 8200	Pharm and Biomed Sci Seminar	1
PMCY 6420E	Comp App in Drug Disc and Tox	2	PHRM 8250	Presentation Skills	1
OR					
PMCY 6430E	Biopharmaceutics and Pharm'kinetics	2			
GRSC 7001	GradFIRST Seminar	1			
Total		10	Total		11

TOTAL CREDIT HOURS FOR MS - 12 + 27 = 39

PMCY 6410E/6420E/6430E – only 4 credits required

Selection of a major advisor and PHRM 7000 Master's Research needs to be discussed with the Major Advisor in **YEAR FOUR**. MS research work to be completed and presented in PHRM 7300 Spring Year FIVE.