



## BS/MS Pharmaceutical Sciences Track **(Non-Thesis Project)** Effective FALL 2023

### 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	1	PMCY 6510*	Adv Drug Delivery Systems	3
PMCY 4960	Pharmaceutical Sciences Research I	2	PMCY 6510L*	Adv Drug Delivery Systems Lab	1
Major Elective		3	PMCY 4970	Pharmaceutical Sciences Research II	2
Major Elective		3	ENGL 3590W	Technical and Professional Comm	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

\*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 <b>OR</b>	6
PHRM 6800 Applied Project in Pharm Biomed Sci	3
PHRM 7230E Ethical Issues in Research	3
<b>Total</b>	<b>6/9</b>

### YEAR FIVE

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

**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 2023**

**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	1	PMCY 6510*	Adv Drug Delivery Systems	3
PMCY 4960	Pharmaceutical Sciences Research I	2	PMCY 6510L*	Adv Drug Delivery Systems Lab	1
Major Elective		3	PMCY 4970	Pharmaceutical Sciences Research II	2
Major Elective		3	ENGL 3590W	Technical and Professional Comm	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

\*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
PHRM 7230E Ethical Issues in Research	3
<b>Total</b>	<b>6</b>

**YEAR FIVE**

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

**TOTAL CREDIT HOURS FOR MS - 12 + 27 = 39**

**PMCY 6410E/6420E/6430E**

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.