

M.S. Pharmaceutical Sciences, Thesis Track

Year 1					
Fall Semester			Spring Semester		
ETH 610	Ethics in Research	1	PSC 651	Pharmaceutical Sciences Journal Club	1
PSC 631	Foundations of Pharmaceutical Sciences	3	PSC 761	Thesis Research	2
PSC 651	Pharmaceutical Sciences Journal Club	1		Core Course* or Elective	3
PSC 661	Research Rotation	2		Core Course* or Elective	3
PSC 672	Experimental Design and Data Analysis	2			
	Total	9		Total	9

Year 2					
Fall Semester			Spring Semester		
PSC 761	Thesis Research	3	PSC 761	Thesis Research	3
	Core Course* or Elective	3		Core Course* or Elective	3
	Core Course* or Elective	3			
	Total	9		Total	6

TOTAL CREDITS = 33

*Students in the MS Pharmaceutical Sciences program must select at least two courses from the list of currently offered core courses below. More than two can be selected, which will then be counted as electives.

List of Core Courses, M.S.P.S.		
Code	Course Name	Credits
PSC 620	Downstream Processing of Biopharmaceutical Products	3
PSC 646	Regulatory Science	3
PSC 733	Pharmacology and Molecular Genetics of Cancer	3
PSC 757	Quantitative Drug Design	3

List of Elective Courses, M.S.P.S.		
Code	Course Name	Credits
BHS 750	Flow Cytometry	3
BIO 630	Advanced Cell Biology	3
BIO 631	Mammalian Cell Culture	3
BIO 635	Cell Death and Disease	3
PSC 609	Pharmaceutical Analytical Techniques I	3
PSC 610	Pharmaceutical Analytical Techniques II	3
PSC 624	Industry Pharma & Biopharma Entrepreneurship	3
PSC 625	Clinical Biochemistry	3
PSC 641	Advanced Pharmaceutics	3

M.S. Pharmaceutical Sciences, Capstone Track

Year					
Fall Semester			Credits		
ETH 610	Ethics in Research		1		
PSC 631	Foundations of Pharmaceutical Sciences		3		
PSC 651	Pharmaceutical Sciences Journal Club		1		
PSC 661	Research Rotation		2		
PSC 672	Experimental Design and Data Analysis		2		
	Total		9		

Spring Semester			Credits		
	Core Course* or Elective		3		
	Core Course* or Elective		3		
	Core Course* or Elective		3		
	Total		9		

Year 2					
Fall Semester			Credits		
	Core Course* or Elective+		3		
	Core Course* or Elective		3		
	Core Course* or Elective		3		
+ PSC 609 Pharmaceutical Analytical Techniques I highly recommended					
	Total		9		

Spring Semester			Credits		
PSC 750G	Capstone		3		
	Core Course* or Elective+		3		
+ PSC 611 Pharmaceutical Analytical Techniques II highly recommended					
	Total		6		

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PSC 646	Regulatory Science	3
PSC 733	Pharmacology and Molecular Genetics of Cancer	3
PSC 757	Quantitative Drug Design	3

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Code	Course Name	Credits
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BIO 630	Advanced Cell Biology	3
BIO 631	Mammalian Cell Culture	3
BIO 635	Cell Death and Disease	3
PSC 609	Pharmaceutical Analytical Techniques I	3
PSC 610	Pharmaceutical Analytical Techniques II	3
PSC 624	Industry Pharma & Biopharma Entrepreneurship	3
PSC 625	Clinical Biochemistry	3
PSC 641	Advanced Pharmaceuticals	3