ALBANY COLLEGE OF PHARMACY AND HEALTH SCIENCES

BS/MS Pharmaceutical Sciences, 5-year dual degree - (Thesis Track for MS)

Year 1

Fall Semester		Credits
BIO 111	General Biology I	4
CHE 111	General Chemistry I	4
HUM 115	Voice and Identity	3
PSC 110	Scientific Reasoning and Analysis 1	2
PSC 115	Survey of Pharmaceutical Sciences	1
Note: * Students must take either PSY 101 (Fall) OR SOC 101 (Spring) in either semester Year 1		
	Total	**14-17**

Spring Semester		Credits
BIO 121	General Biology II	4
CHE 121	General Chemistry II	4
HUM 1XX	Humanities Selective 1	3
PSC 111	Scientific Reasoning and Analysis 2	2
PSY101 OR SOC101	General Psychology or Sociology	3
Note: * Students must take either PSY 101 (Fall) OR SOC 101 (Spring) in either semester Year 1		
	Total	**16-13**

Year 2

Fall Semester		Credits
CHE 211	Organic Chemistry I	4
HUM 2XX	Humanities Selective 2	3
MAT 121	Calculus I	4
PHY 212	College Physics I	4
PSC 112	Scientific Reasoning and Analysis 3	2
	Total	**17**

Spring Semester		Credits
CHE 221	Organic Chemistry II	4
MAT 145	Elementary Statistics	3
PSC205	Principles of Pharmaceutical Analysis	3
PSC241	Intro to Botanical Medicines	3
	General/Humanities Elective	3
	Total	**16**

Year 3

Fall Semester		Credits
PSC 341	Pharmaceutics I	3
PSC 312	Molecular Biology	3
PSC 321	Pathophysiology I	4
PSC 369	Molecular Foundations of Drug Action I	3
	General/Humanities Elective	3
	Total	**16**

Spring Semester		Credits
PSC 342	Pharmaceutics II	3
PSC 311	Biochemistry	3
PSC 322	Pathophysiology II	4
PSC 371	Pharmacology I	3
	Directed Elective	3
		16

Year 4

Fall Semester		Credits
PSC 309	Pharmaceutical Analytical Techniques 1 (PAT1)	3
PSC 409 or PSC 410	Capstone or Thesis I*	3
PSC 631G	Foundations of Pharmaceutical Sciences+	3
PSC 672	Experimental Design and Data Analysis	2
PSC 651G	Pharmaceutical Sciences Journal Club	1
	Directed Electives	3
Notes: + indicates a graduate-level course that counts for both undergraduate and graduate level credit; * indicates students take either PSC410 and PSC411 (6		

Spring Semester		Credits
PSC 311	Pharmaceutical Analytical Techniques 2 (PAT2)	3
PSC 411 or Capstone Elective	Thesis II or Capstone Elective*	3
	Directed Elective	6
	Graduate Elective (UG DIR Elective)+	3
	Graduate Elective (UG DIR Elective)+	3
Notes: + indicates a graduate-level course that counts for both undergraduate and graduate level credit; * indicates students take either PSC410 and PSC411 (6		

credits) OR PSC 409 and Capstone Elective (6 credits)				credits) OR PSC 409 and Capstone Elective (6 credits)	
	Total	**15**		**Total**	**18**

Year 5					
Fall Semester		**Credits**		**Spring Semester**	**Credits**
PSC761G	MS Thesis Research	3	PSC761G	MS Thesis Research	3
PSC 641	Advanced Pharmaceutics	3	ETH610	Ethics in Research	1
PSC 741	Pharmacokinetic modeling	3		Graduate Elective	3
PSC610	Technical Writing for the Biopharmaceutical Industry	2		Graduate Elective	3
	Total	**11**		**Total**	**10**

TOTAL CREDITS = 149 minimum

Questions?

Office of Admissions 518-694-7221

admissions@acphs.edu

Pre-Med Coursework		
Course Number	**Course Title**	**Course Credits**
BIO 111	General Biology I	4
BIO 121	General Biology II	4
CHE 111	General Chemistry I	4
CHE 121	General Chemistry II	4
CHE 211	Organic Chemistry I	4
CHE 221	Organic Chemistry II	4
DIR	Directed Elective (incl PHY 222)	
HUM 115	Voice and Identity	3
MAT 121	Calculus I	4
MAT 145	Elementary Statistics	3
PHY 212	College Physics I	4
PSC 311	Biochemistry	3
PSC 312	Molecular Biology	3
PSC 321	Pathophysiology I	4
PSC 322	Pathophysiology II	4