

Recommended Course Sequence for the BA Chemistry/Pharm D. 7-year Pharmacy Program (Wayne State University)

<u>Year 1: Fall</u> BIO 2300, Prin Human A&P I – 3 credits – C1 BIO 2310, Prin Human A&P Lab I – 1 credit – C1 CHM 1070, Gen Chem I – 3 credits CHM 1100, Gen Chem I lab – 1 credit MTH 1410, Calculus I – 4 credits – B1 BIO 1200, Gen Bio I – 3 credits BIO 1210, Gen Bio Lab I – 2 credits Total credits: 17	<u>Year 1: Winter</u> BIO 2320, Prin Human A&P II – 3 credits BIO 2330, Prin Human A&P lab II – 1 credit CHM 1080, Gen Chem II – 3 credits CHM 1120, Gen Chem II lab – 1 credit MTH 1420, Calculus II – 4 credits CST 1010, Speech – 3 credits – A1 ENL 1310, Acad. Writing – 3 credits – A2 Total credits: 18
<u>Year 2: Fall</u> CHM 2270, Organic Chem I – 3 credits CHM 2250, Organic Chem lab I – 1 credit PHY 1300, Physics I – 3 credits PHY 1310, Physics I lab – 1 credit BIO 2410, General Microbiology – 3 credits BIO 2420, General Microbiology lab – 1 credit Historical Exp – 3 credits – E1 STA 2250 or BIO 2900 – 3 credits Total credits: 18	<u>Year 2: Winter</u> CHM 2290, Organic Chem II – 3 credits CHM 2300, Organic Chem lab II – 2 credits – IT1 PHY 1320, Physics II – 3 credits PHY 1330, Physics II lab – 1 credit PYC 1000, Intro Psychology – 3 credits – C2 Aesthetic Experiences – 3 credits – E3 Literary Experience – 3 credits – E2 Total credits: 18
PCAT PharmCAS application	
<u>Year 3: Fall</u> CHM 3410 PChem I – 3 credits CHM 3330, P Chem Lab I – 1 credit CHM 3870, Quant Analysis -3 credits – B2 CHM 3880, Quant Analysis -1 credit PHL 1000, Intro Phil. – 3 credits - D1 PHL/RELS- 3 credits – D3 Core –3 credits – IT3/IT4 Total credits: 17	<u>Year 3: Winter</u> CHM 3420 PChem II – 3 credits CHM 3340, P Chem Lab II – 1 credit CHM 4990 –0 credits Ethics – 3 credits – F1 BIO 4630, Physiology – 3 credits IT2 Core (CAS 2000)–3 credits – D2/IT5/IT6 CHM 4700*, Basic Biochemistry – 3 credits Total credits: 16
Detroit Mercy credits: 104 PharmD credits from Wayne State University, School of Pharmacy and Health Sciences P1 courses (transfer back for BA Chemistry completion): 16 cr.	

Upper-level courses in Chemistry or Biology are encouraged if schedule allows

BIO 2840 – Animal Behavior
 BIO 3400 – Cancer Biology
 BIO 3750 – Human Genetics
 BIO 3500 – Histology, BIO 3510 Histology Lab
 BIO 3800 – Principles of Neurophysiology
 BIO 4980 – Pathophysiology
 *Biochemistry CHM 4700 or CHM 4710 + CHM 4720

BIO 3201 - Metagenomics
 BIO 3700 – Developmental Biology
 BIO 3710 – Developmental Biology lab
 BIO 4350 – Fundamentals of Pharmacology
 BIO 4250 – Immunology