

## Recommended Course Sequence for the BS Biology/Pharm D 7-year Pharmacy Program with Wayne State University

<u>Year 1: Fall</u> BIO 1200, Gen Bio I – 3 credits – <b>C1</b> BIO 1210, Gen Bio lab I – 2 credits – <b>C1</b> CHM 1070, Gen Chem I – 3 credits CHM 1100, Gen Chem I lab – 1 credit MTH 1410, Calculus I – 4 credits – <b>B1</b> ENL 1310, Acad. Writing – 3 credits – <b>A2</b>  Total credits: 16	<u>Year 1: Winter</u> BIO 1220, Gen Bio II – 3 credits BIO 1230, Gen Bio lab II – 2 credits CHM 1080, Gen Chem II – 3 credits CHM 1120, Gen Chem II lab – 1 credit CST 1010, Speech – 3 credits – <b>A1</b> PHL 1000, Intro Phil. – 3 credits – <b>D1</b> Aesthetic Experiences – 3 credits – <b>E3</b>  Total credits: 18
<u>Year 2: Fall</u> BIO 2700, Genetics – 3 credits CHM 2270, Organic Chem I – 3 credits CHM 2250, Organic Chem lab I – 1 credit BIO 2900, Biostatistics – 3 credits – <b>B2</b> PYC 1000, Intro Psychology – 3 credits – <b>C2</b> Core PHL/RELS – 3 credits – <b>D3</b>  Total credits: 16	<u>Year 2: Winter</u> BIO 4801 – Adv Human Anatomy – 3 credits BIO 4802 – Adv Human Anatomy lab – 2 credits BIO 4480 – Evolution – 3 credits CHM 2290, Organic Chem II – 3 credits CHM 2260, Organic Chem lab II – 1 credit BIO 4210, Microbiology – 3 credits BIO 4220 Microbiology Lab – 2 credits  Total credits: 17
PCAT PharmCAS application	
<u>Year 3: Fall</u> BIO 4990 –Biology/Social Issues– 3 credits – <b>IT1</b> PHY 1300, Physics I – 3 credits PHY 1310, Physics I lab – 1 credit ETH 3580 Health Care Ethics -3 credits – <b>F1-</b> Upper level biology lab- 2 credits Literary Experience – 3 credits – <b>E2</b> Core (i.e. CAS 2000)– 3 credits <b>D2/IT5/IT6</b>  Total credits: 18	<u>Year 3: Winter</u> PHY 1320, Physics II – 3 credits PHY 1330, Physics II lab – 1 credit BIO 4630, Physiology – 3 credits – <b>IT2</b> BIO elective 3 credits CHM 4700*, Basic Biochemistry I – 3 credits Core (i.e. HIS 3480) – 3 credits – <b>E1/IT3/IT4</b>  Total credits: 16
Detroit Mercy credits: 101 PharmD credits from Wayne State University, School of Pharmacy first year courses (transfer back for BS Biology completion): 19 cr.	

### Upper-level courses in 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

\*Either CHM 4700 or CHM 471 + CHM 4720

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