

## MCW Pharmacy Sample Plan 3+3, BCH Major

First Year					
Fall			Spring		
Course		Credits	Course		Credits
<b>CHE 161</b>	<b>General Chemistry 1</b>	<b>4</b>	<b>CHE 162</b>	<b>General Chemistry 2</b>	<b>4</b>
<b>CHE 168</b>	<b>General Chemistry 1 Lab</b>	<b>1</b>	<b>CHE 169</b>	<b>General Chemistry 2 Lab</b>	<b>1</b>
<b>MAT 221*</b>	<b>Calculus 1</b>	<b>4</b>	<b>BIO 202</b>	<b>Principles of Biology 2</b>	<b>4</b>
ENG 101	Writing and Rhetoric	3	XXX	Social Science Gen Ed	3
COL 101	Introduction to College Experiences	1	COM 101	Introduction to Communication	3
THE ___	Introductory Theology	3	PED 100	Health & Wellness and Activity	1
Total: 16			Total: 16		

Second Year					
Fall			Spring		
Course		Credits	Course		Credits
<b>CHE 221**</b>	<b>Organic Chemistry 1</b>	<b>3</b>	<b>CHE 222</b>	<b>Organic Chemistry 2</b>	<b>3</b>
<b>BIO 201</b>	<b>Principles of Biology 1</b>	<b>4</b>	<b>CHE 228/9</b>	<b>Organic Chemistry Lab</b>	<b>1-2</b>
<b>CHE 210</b>	<b>Quantitative Analysis</b>	<b>4</b>	<b>PHY 201</b>	<b>Physics 1</b>	<b>5</b>
THE ___	Biblical Theology	3	HIS ___	History	3
XXX	Foreign Language/ Gen Ed	3	XXX	Fine Arts Gen Ed	3
			LAS 101	The Great Ideas	2
Total: 17			Total: 17-18		

Third Year					
Fall			Spring		
Course		Credits	Course		Credits
<b>DSC 311</b>	<b>Applied Statistics</b>	<b>3</b>	<b>BIO 331 or 433</b>	<b>Cell Biology or Molecular Biology</b>	<b>4</b>
<b>BIO 360</b>	<b>Genetics</b>	<b>4</b>	<b>BCH 351**</b>	<b>Biochemistry 2</b>	<b>3</b>
<b>BCH 350</b>	<b>Biochemistry 1</b>	<b>3</b>	<b>BCH 358**</b>	<b>Biochemistry Lab</b>	<b>1</b>
ENG ___	English literature	3	XXX	Gen Ed/ Elective	3
THE ___	Applied Theology	3	THE ___	Systematic Theology	3
			LAS 401/402	Liberal Arts Capstone	1
Total: 16			Total: 15		

\*MCW requires MAT 118 or higher, the BCH major requires MAT 221 or 222

\*\*BCH 351 and BCH 358 are only offered in odd-year spring semesters, so a student might need to take BCH 350/351/358 in their second year. In this case, CHE 221 (pre-requisite) would have to be taken the summer between the students' first and second years.

- Courses used to fulfill prerequisites for admission to the MCW College of Pharmacy are **in red**.
- Courses fulfilling requirements for a major in Biochemistry are **bolded**.
- MCW General Education requirements provide many options. In this sample plan, PHY 201, HIS, Soc. Sci., and THE (applied) are used to fulfill the 4-course requirement.
- MCW requires 2 advanced Biology courses from a specific list, this sample plan includes BIO 360 and BIO 331/433 to fulfill this requirement and the BCH major requirement of BIO 360.
- This sample plan assumes reverse transfer of 26 total credits from MCW to fulfill the requirements for a Bachelor of Science degree (minimum of 120 total credits) with a major in Biochemistry as indicated on the back of this sheet.

**MCW Pharmacy 3+3 Reverse-Transfer credits, BCH Major**

First Year at MCW					
MCW Courses			WLC Credits		
Course		Credits	Course		Credits
510	Biochemistry	3	BIO/CHE BIO 401- 402	Biology/ <b>Chemistry</b> <b>electives</b> <b>Research Strategies</b>	<b>21</b> <b>5</b>
511	Genetics and Clinical Immunology	3			
512	Anatomy and Physiology	3			
561	Principles of Drug Action, Pharmacogenomics	5			
562	Infectious Diseases I	5			
564	Infectious Diseases II	5			
552	Population Health	3			
Total: 27			Total: 26		