

MCW Pharmacy Sample Plan 3+3, BCH Major

First Year					
Fall			Spring		
Course		Credits	Course		Credits
CHE 161	General Chemistry 1	4	CHE 162	General Chemistry 2	4
CHE 168	General Chemistry 1 Lab	1	CHE 169	General Chemistry 2 Lab	1
MAT 221*	Calculus 1	4	BIO 202	Principles of Biology 2	4
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	LAS 101	Liberal Arts Seminar	1
Total: 16			Total: 16		

Second Year					
Fall			Spring		
Course		Credits	Course		Credits
CHE 221**	Organic Chemistry 1	3	CHE 222	Organic Chemistry 2	3
BIO 201	Principles of Biology 1	4	CHE 228/9	Organic Chemistry Lab	1-2
CHE 210	Quantitative Analysis	4	PHY 201	Physics 1	5
THE ____	Biblical Theology	3	HIS ____	History	3
XXX	Foreign Language/ Gen Ed	3	XXX	Fine Arts Gen Ed	3
			PED 100	Health & Wellness and Activity	1
Total: 17			Total: 16-17		

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

*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/ Chemistry electives Research Strategies	21 5
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		