



SCHOOL OF PHARMACY
PRE-PHARMACY
CHEMISTRY MAJOR

3+4 ACCELERATED PATHWAY

**EARN BOTH A BACHELOR'S DEGREE FROM THE
 MARSHALL UNIVERSITY COLLEGE OF SCIENCE
 AND A DOCTORAL DEGREE FROM MARSHALL
 UNIVERSITY SCHOOL OF PHARMACY IN 7 YEARS!**

YEAR	FALL	SPRING
<p>1</p>	<p>BSC 120 - Principles of Biology I BSC 120L - Principles of Biology I Lab CHM 211 - Principles of Chemistry I CHM 217 - Principles of Chemistry I Lab MTH 229 (CT) - CORE Math</p> <p>Total Hours: 14 Hours</p>	<p>BSC 121 - Principles of Biology II BSC 121L - Principles of Biology II Lab CHM 212 - Principles of Chemistry II CHM 218 - Principles of Chemistry II Lab PHY 201 - General Physics PHY 202 - General Physics Lab FYS 100 - Freshman First-Year Seminar</p> <p>Total Hours: 16 Hours</p>
<p>2</p> <p>APPLY TO MUSOP AFTER YEAR 2</p>	<p>FALL</p> <p>CHM 355 - Organic Chemistry I PHY 203 - General Physics I PHY 204 - General Physics I Lab ENG 101 - English Composition I BSC 227 - Human Anatomy</p> <p>Total Hours: 14 Hours</p>	<p>SPRING</p> <p>BSC 228 - Human Physiology BSC 250 - Microbiology CHM 345 - Analytical Chemistry CHM 356 - Organic Chemistry II ENG 201 - Advanced Composition</p> <p>Total Hours: 18 Hours</p>
<p>3</p>	<p>FALL</p> <p>CHM 448 - Adv. Inorganic CHM 361 - Intro Organic Chemistry Lab CMM 103 - Communication Requirement Writing Intensive Course Requirement ART 112, MUS 142, MUS 210, or THE 112 - Fine Arts Requirement</p> <p>Total Hours: 16 Hours</p>	<p>SPRING</p> <p>CHM 307 - Physical Chemistry CHM 432 - Seminar Writing Intensive Humanities Requirement CORE Social Science (CT and International or Multicultural) MTH 225 - Introduction to Statistics CHM 305 - Research Methods in Chemistry</p> <p>Total Hours: 14 Hours</p>
<p>4</p> <p>FIRST YEAR OF PHARM.D. PROGRAM</p>	<p>FALL</p> <p>Pharmacy Practice I (in lieu of CHM 491 Capstone) Immunology and Microbiology Biomedical Chemistry (CHM Required Major Elective) Clinical Immunology Biopharmaceutics I Intro Pharmacy Practice Experiences in Community Settings I (IPPE I)</p> <p>Total Hours: 18 Hours</p>	<p>SPRING</p> <p>Pharmacy Practice II Principles of Disease and Drug Action Biopharmaceutics II Integrated Laboratory I Therapeutics I - Appropriate Use of Over-the-Counter Products Introductory Pharmacy Practice Experiences in Institutional Settings I (IPPE 2)</p> <p>Total Hours: 18 Hours</p>