



SCHOOL OF PHARMACY

PRE-PHARMACY

BIOLOGICAL SCIENCE 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 ENG 101 - English Composition I MTH 140 or MTH 229 (CT) - CORE Math</p> <p>Total Hours: 15-17 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 FYS 100 - Freshman First-Year Seminar MTH 122 - Plane Trigonometry (*If MTH 140 is taken for CORE Math)</p> <p>Total Hours: 15 Hours</p>
<p>2</p> <p>APPLY TO MUSOP AFTER YEAR 2</p>	<p>FALL</p> <p>CHM 355 - Organic Chemistry I PHY 201 - General Physics I PHY 202 - General Physics I Lab ENG 201 - Advanced Composition BSC 320, 322, or 324 - Required Major Course</p> <p>Total Hours: 14 Hours</p>	<p>SPRING</p> <p>BSC 310 - Comparative Vertebrae Anatomy (in lieu of BSC 227 - Human Anatomy) CHM 356 - Organic Chemistry II BSC 302 - Principles of Microbiology BSC 304 - Microbiology Lab PHY 203 - General Physics PHY 204 - General Physics Lab BSC 417 - Biostatistics (in lieu of MTH 225 - Statistics)</p> <p>Total Hours: 17 Hours</p>
<p>3</p>	<p>FALL</p> <p>BSC 422 - Animal Physiology (in lieu of BSC 228 - Human Physiology) BSC 320, 322, or 324 - Required Major Course CHM 361 - Intro Organic Chemistry Lab CMM 103 - Communication Requirement Writing Intensive Course Requirement</p> <p>Total Hours: 17 Hours</p>	<p>SPRING</p> <p>BSC 320, 322, or 324 - Req. Major Course ART 112, MUS 142, MUS 210, or THE 112 - Fine Arts Requirement Writing Intensive Humanities Requirement CORE Social Science (CT and International or Multicultural) Critical Thinking Course (*If MTH 229 is not taken for CORE Math)</p> <p>Total Hours: 16 Hours</p>
<p>4</p> <p>FIRST YEAR OF PHARM.D. PROGRAM</p>	<p>FALL</p> <p>Pharmacy Practice I (in lieu of BSC 491 Capstone) Immunology and Microbiology Biomedical Chemistry (BSC 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>