

PRE-PHARMACY

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

	SCIENCE MAJOR	UNIVERSITY SO	CHOOL OF PHARMACY IN 7 YEARS!
YEAR	FA		SPRING
	BSC 120 - Principles of Biology I		BSC 121 - Principles of Biology II
\wedge	BSC 120L - Principles of Biology I Lab		BSC 121L - Principles of Biology II Lab
	CHM 211 - Principles of Chemistry I		CHM 212 - Principles of Chemistry II
\sim	CHM 217 - Principles of Chemistry I Lab		CHM 218 - Principles of Chemistry II Lab
- 11	ENG 101 - English Composition I		FYS 100 - Freshman First-Year Seminar
U	MTH 140 or MTH 229 (CT) - CORE Math		MTH 122 - Plane Trigonometry (*If MTH 140 is
	Total Hours: 15-17 Hours		taken for CORE Math) Total Hours: 15 Hours
VEAD			
YEAR	FA CHM 355 - Organic C		SPRING BSC 310 - Comparative Vertebrae Anatomy
	PHY 201 - General Phy	•	(in lieu of BSC 227 – Human Anatomy)
(\bigcirc)	PHY 202 - General Physics I Lab		CHM 356 - Organic Chemistry II
	ENG 201 - Advanced (•	BSC 302 - Principles of Microbiology
	BSC 320, 322, or 324 - Required Major		BSC 304 - Microbiology Lab
	Course		PHY 203 - General Physics
			PHY 204 - General Physics Lab
APPLY TO			BSC 417 - Biostatistics (in lieu of MTH 225 -
MUSOP AFTER			Statistics)
YEAR 2	Total Hours: 14 Hours		Total Hours: 17 Hours
	Total Hours. I-T Hours		rolal flouis. It flouis
YEAR	FA	LL	SPRING
YEAR	FA l BSC 422 - Animal Phy	siology (in lieu of	
YEAR	FA	siology (in lieu of	SPRING
YEAR	FA l BSC 422 - Animal Phy BSC 228 - Human Phy BSC 320, 322, or 324	siology (in lieu of siology)	SPRING BSC 320, 322, or 324 - Req. Major Course
YEAR	FAI BSC 422 - Animal Phy BSC 228 - Human Phy BSC 320, 322, or 324 Course	siology (in lieu of siology) - Required Major	SPRING BSC 320, 322, or 324 - Req. Major Course ART 112, MUS 142, MUS 210, or THE 112 - Fine Arts Requirement Writing Intensive Humanities Requirement
YEAR	FAI BSC 422 - Animal Phy BSC 228 - Human Phy BSC 320, 322, or 324 Course CHM 361 - Intro Organ	siology (in lieu of siology) - Required Major ic Chemistry Lab	SPRING 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
YEAR	FAI BSC 422 - Animal Phy BSC 228 - Human Phy BSC 320, 322, or 324 Course CHM 361 - Intro Organ CMM 103 - Communic	siology (in lieu of siology) - Required Major ic Chemistry Lab ation Requirement	SPRING 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)
YEAR	FAI BSC 422 - Animal Phy BSC 228 - Human Phy BSC 320, 322, or 324 Course CHM 361 - Intro Organ	siology (in lieu of siology) - Required Major ic Chemistry Lab ation Requirement	SPRING 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
YEAR	FAI BSC 422 - Animal Phy BSC 228 - Human Phy BSC 320, 322, or 324 Course CHM 361 - Intro Organ CMM 103 - Communic Writing Intensive Cours	siology (in lieu of siology) - Required Major ic Chemistry Lab ation Requirement	SPRING 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)
3	FAI BSC 422 - Animal Phy BSC 228 - Human Phy BSC 320, 322, or 324 Course CHM 361 - Intro Organ CMM 103 - Communic Writing Intensive Cours	siology (in lieu of siology) - Required Major ic Chemistry Lab ation Requirement se Requirement	SPRING 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) Total Hours: 16 Hours
YEAR	FAI BSC 422 - Animal Phy BSC 228 - Human Phy BSC 320, 322, or 324 Course CHM 361 - Intro Organ CMM 103 - Communical Writing Intensive Course Total Hours: 17 Hours	siology (in lieu of siology) - Required Major ic Chemistry Lab ation Requirement se Requirement	SPRING 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) Total Hours: 16 Hours SPRING
3	FAI BSC 422 - Animal Phy BSC 228 - Human Phy BSC 320, 322, or 324 Course CHM 361 - Intro Organ CMM 103 - Communication Writing Intensive Cours Total Hours: 17 Hours FAI Pharmacy Practice I (in	siology (in lieu of siology) - Required Major ic Chemistry Lab ation Requirement se Requirement	SPRING 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) Total Hours: 16 Hours SPRING Pharmacy Practice II
3	BSC 422 - Animal Phy BSC 228 - Human Phy BSC 320, 322, or 324 Course CHM 361 - Intro Organ CMM 103 - Communical Writing Intensive Course Total Hours: 17 Hours FAI Pharmacy Practice I (in Capstone)	siology (in lieu of siology) - Required Major ic Chemistry Lab ation Requirement se Requirement	SPRING 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) Total Hours: 16 Hours SPRING Pharmacy Practice II Principles of Disease and Drug Action
3	BSC 422 - Animal Phys BSC 228 - Human Phys BSC 320, 322, or 324 Course CHM 361 - Intro Organ CMM 103 - Communical Writing Intensive Course Total Hours: 17 Hours FAI Pharmacy Practice I (in Capstone) Immunology and Micro	siology (in lieu of siology) - Required Major ic Chemistry Lab ation Requirement se Requirement ILL n lieu of BSC 491	SPRING 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) Total Hours: 16 Hours SPRING Pharmacy Practice II Principles of Disease and Drug Action Biopharmaceutics II
3	BSC 422 - Animal Phys BSC 228 - Human Phys BSC 320, 322, or 324 Course CHM 361 - Intro Organ CMM 103 - Communical Writing Intensive Course Total Hours: 17 Hours FAI Pharmacy Practice I (in Capstone) Immunology and Micro Biomedical Chemistry	siology (in lieu of siology) - Required Major ic Chemistry Lab ation Requirement se Requirement ILL n lieu of BSC 491	SPRING 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) Total Hours: 16 Hours SPRING Pharmacy Practice II Principles of Disease and Drug Action Biopharmaceutics II Integrated Laboratory I
3	BSC 422 - Animal Phys BSC 228 - Human Phys BSC 320, 322, or 324 Course CHM 361 - Intro Organ CMM 103 - Communical Writing Intensive Course Total Hours: 17 Hours FAI Pharmacy Practice I (in Capstone) Immunology and Micro Biomedical Chemistry Major Elective)	siology (in lieu of siology) - Required Major ic Chemistry Lab ation Requirement se Requirement ILL n lieu of BSC 491	SPRING 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) Total Hours: 16 Hours SPRING Pharmacy Practice II Principles of Disease and Drug Action Biopharmaceutics II
YEAR	BSC 422 - Animal Phys BSC 228 - Human Phys BSC 320, 322, or 324 Course CHM 361 - Intro Organ CMM 103 - Communical Writing Intensive Course Total Hours: 17 Hours FAI Pharmacy Practice I (in Capstone) Immunology and Micro Biomedical Chemistry	siology (in lieu of siology) - Required Major ic Chemistry Lab ation Requirement se Requirement ILL n lieu of BSC 491	SPRING 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) Total Hours: 16 Hours SPRING Pharmacy Practice II Principles of Disease and Drug Action Biopharmaceutics II Integrated Laboratory I Therapeutics I - Appropriate Use of Over- the-Counter Products
YEAR FIRST YEAR OF	BSC 422 - Animal Phys BSC 228 - Human Phys BSC 320, 322, or 324 Course CHM 361 - Intro Organ CMM 103 - Communicate Writing Intensive Course Total Hours: 17 Hours FAI Pharmacy Practice I (in Capstone) Immunology and Micro Biomedical Chemistry Major Elective) Clinical Immunology	siology (in lieu of siology) - Required Major ic Chemistry Lab ation Requirement se Requirement be Requirement IL n lieu of BSC 491 biology (BSC Required	SPRING 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) Total Hours: 16 Hours SPRING 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
YEAR	BSC 422 - Animal Phys BSC 228 - Human Phys BSC 320, 322, or 324 Course CHM 361 - Intro Organ CMM 103 - Communic Writing Intensive Course Total Hours: 17 Hours FAI Pharmacy Practice I (in Capstone) Immunology and Micro Biomedical Chemistry Major Elective) Clinical Immunology Biopharmaceutics I	siology (in lieu of siology) - Required Major ic Chemistry Lab ation Requirement se Requirement be Requirement be lieu of BSC 491 biology (BSC Required	SPRING 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) Total Hours: 16 Hours SPRING Pharmacy Practice II Principles of Disease and Drug Action Biopharmaceutics II Integrated Laboratory I Therapeutics I - Appropriate Use of Over- the-Counter Products