



Florida Agricultural & Mechanical University Bachelor of Science in Pharmaceutical Sciences Curriculum

Courses (Fall) Semester 1	Semester Hours	Courses (Spring) Semester 2	Semester Hours
CHM 1045 General Chemistry I w/Lab	4	CHM 1046 General Chemistry I w/Lab	4
(HUM) Humanities Elective I	3	(HUM) Humanities Elective II	3
ENC 1101 Freshman Communication Skills I	3	ENC 1102 Freshman Communication Skills II	3
BSC 1010 General Biology I w/Lab	4	BSC 1011 General Biology II w/Lab	4
AMH 2091 Intro to African American History	3	MAC 2311 Calculus I	4
Total Semester Hours	17	Total Semester Hours	18
Courses (Fall) Semester 3	Semester Hours	Courses (Spring) Semester 4	Semester Hours
CHM 2210 Organic Chemistry I w/Lab	4	CHM 2210/3211 Organic Chemistry II w/Lab	4
PHY 2048 General Physics I w/Lab	5	PHY 2049 General Physics II w/Lab	5
ECO 2013 Principal of Economics	3	STA 2023 Probability and Statistics	3
BSC 2093 Anatomy and Physiology I w/Lab	4	BSC 2094 Anatomy and w/Lab	4
Total Semester Hours	16	Total Semester Hours	16

Courses (Fall) Semester 5	Semester Hours	Courses (Spring) Semester 6	Semester Hours
PHA 3426 Physiological Chemistry	3	Pharmaceutical Analysis and Lab	2
Pharmaceutical Calculations	2	PHA 4510 & 4510L Pharmacology I & Lab	3
Pharmaceutical Microbiology	3	PHA 4430 & 4430L Medicinal Chemistry I & Lab	3
Anatomy & Physiology/Pathophysiology I & Lab	5	Drug Delivery & Lab	4
Physical Pharmacy & Lab	3	Anatomy & Physiology/Pathophysiology I & Lab	5
Introduction to Pharmaceutical Sciences	2	Scientific Communication	1
Total Semester Hours	18	Total Semester Hours	18
Courses (Fall) Semester 7	Semester Hours	Courses (Spring) Semester 8	Semester Hours
Pharmacoeconomics	3	Select one (Advanced Pharmacology, Advanced Medicinal Chemistry, Biopharmaceutics, Advanced Pharmacoeconomics)	3
PHA 4431 Medicinal Chemistry II	3	Research Foundations & Ethics	2
PHA 4431L Medicinal Chemistry II Lab	1	Elective I	3
PHA 4511 Pharmacology II	3	Elective II	3
PHA 4511L Pharmacology II Lab	1	Seminar	1
Seminar	1		
Total Semester Hours	12	Total Semester Hours	12

Gordon Rule Requirements (FAMU Catalog - Page 54)

Communications (6 hours)	Freshman Communication I, II (ENC 1101, 1102)
Mathematics (6 hours)	Pre-Calculus and Calculus (MAC 1147, 2311)
Humanities (6 hours)	Humanities Electives I, II (HUM (2 courses)
Social Science (6 hours)	AA History or the AA Experience (reqd.) and Soc. Sc. Elective (AMH 2091 or AFA 3104 and SSE)
Natural Science (8 hours)	Biology I, II (BSC 1010, 1011)
General Elective (3-4 hours)	Gen. Elective (GE)

Total Hours (35-36 hours)