

**2019 Curriculum**  
**Undergraduate Program of Pharmacy**  
**Faculty of Pharmacy**  
**Andalas University**

Total credit : 144 credits  
 Compulsory course credit : 134 credits  
 Elective course credit : 10 credits

Semester	Coursework		
	Code	Course Name	Credits
<b>Compulsory Courses</b>			
1 <sup>st</sup> Semester	FAF 111	Basic Pharmaceutical Chemistry	2
	FAFP 111	Basic Pharmaceutical Chemistry Practice	1
	FAF 112	Basic Organic Chemistry	2
	FAF 113	Cell Biology	2
	FAF 114	Human Anatomy and Physiology	2
	FAFP 114	Human Anatomy and Physiology Practice	1
	FAF 115	Basic Microbiology	2
	FAF 116	Introduction to Pharmaceutical Sciences and Ethics	2
	FAF 117	Physical Chemistry	1
	AND 113	Religion and Ethics	2
	AND114	Pancasila	2
2 <sup>nd</sup> Semester	FAF 121	Pharmaceutical Organic Chemistry	2
	FAFP 121	Pharmaceutical Organic Chemistry Practice	1
	FAF 122	Solids Pharmaceutical Physics	2
	FAF 123	Basic Analytical Chemistry	2
	FAFP 123	Basic Analytical Chemistry Practice	1
	FAF 124	Pharmaceutical Microbiology	2
	FAFP 124	Pharmaceutical Microbiology Practice	1
	FAF 125	Pathophysiology	2
	FAF 126	Pharmaceutical Botany	2
	FAFP 126	Pharmaceutical Botany Practice	1
	FAF 127	Basic Pharmacology	2
	FAF 128	Pharmaceutical Calculation	2
3 <sup>rd</sup> Semester	FAF 211	Qualitative Pharmaceutical Chemistry	2
	FAFP 211	Qualitative Pharmaceutical Chemistry Practice	1
	FAF 212	Biochemistry	2
	FAFP 212	Biochemistry Practice	1
	FAF 213	Immunology and Serology	2
	FAFP 213	Immunology and Serology Practice	1
	FAF 214	Natural Product Chemistry	2
	FAF 215	Physical Pharmacy	2
	FAFP 215	Physical Pharmacy Practice	1

	FAF 216	Compounding	2
	FAF 216P	Compounding Practice	1
	FAF 217	Pharmacology of the Nervous System and Cardiovascular	2
4 <sup>th</sup> Semester	FAF 221	Quantitative Pharmaceutical Chemistry	2
	FAFP 221	Quantitative Pharmaceutical Chemistry Practice	1
	FAF 222	Natural Product Pharmaceutical Chemistry	2
	FAF 222P	Natural Product Pharmaceutical Chemistry Practice	1
	FAF 223	Liquid and Semisolid Dosage Forms	2
	FAFP 223	Liquid and Semisolid Dosage Forms Practice	1
	FAF 224	Pharmacognosy	2
	FAFP 224	Pharmacognosy Practice	1
	FAF 225	Pharmacology of Anti Infection and Endocrine	2
	FAFP 225	Pharmacology of Anti Infection and Endocrine Practice	1
	FAF 226	Basic Medicinal Chemistry	2
	FAF 227	Separation Method	2
5 <sup>th</sup> Semester	FAF 311	Sterile Dosage Forms	2
	FAFP 311	Sterile Dosage Forms Practice	1
	FAF 312	Physicochemical Analysis	2
	FAFP 312	Physicochemical Analysis Practice	1
	FAF 313	Pharmacokinetics	2
	FAFP 313	Pharmacokinetics Practice	1
	FAF 314	Pharmacotherapy of Gastrointestinal, Respiratory Tract, Bone and Joint diseases and Special Conditions	2
	FAFP 314	Pharmacotherapy of Gastrointestinal, Respiratory Tract, Bone and Joint diseases and Special Conditions Practice	1
	FAF 315	Medicinal Chemistry	2
	FAF 316	English for Academic Purpose	2
	AND 111	Bahasa Indonesia (Academic Writing)	3
	AND 112	Civic education	3
6 <sup>th</sup> Semester	FAF 321	Solid Dosage Forms	2
	FAFP 321	Solid Dosage Forms Practice	1
	FAF 322	Pharmacotherapy of Cardiovascular, Endocrine, and Gynecology Diseases	2
	FAFP 322	Pharmacotherapy of Cardiovascular, Endocrine, and Gynecology Diseases Practice	1
	FAF 323	Pharmacotherapy of Hematological, Oncological, Eye Disorders, and Vaccination.	2
	FAFP 323	Pharmacotherapy of Hematological, Oncological, Eye Disorders, and Vaccination Practice.	1
	FAF 324	Research Methodology and Biostatistics	2
	FAF 325	Clinical Pharmacokinetics	2
	FAF 326	Prescription and Dispensing	2
	FAFP 326	Prescription and Dispensing Practice	1
	FAF 327	Pharmacoepidemiology and Pharmacoeconomy	2

	AND 401	Community Service	4
7 <sup>th</sup> Semester	FAF 411	Quality Assurance & Good Distribution Practice (GDP)	2
	FAF412	Biopharmaceutics	2
	FAF 413	Pharmacotherapy of Viral, Bacterial, Fungal, and Parasitic Infection	2
	FAFP 413	Pharmacotherapy of Viral, Bacterial, Fungal, and Parasitic Infection Practice	1
	FAF 414	Clinical and Community Pharmacy	2
	FAF 415	Entrepreneurship and Leadership	2
	FAF 416	Final Year Project Proposal	1
8 <sup>th</sup> Semester	FAF 421	Final Year Project	3

Elective Courses			
	PAF 4001	Pollutant Analysis	2
	PAF 4003	Drug Synthesis	2
	PAF 4005	Biomolecule and Vaccine	2
	PAF 4007	Forensic Analysis	2
	PAF 4009	Bioactivity Evaluation Technique	2
	PAF 4011	Preformulation	2
	PAF 4013	Public health pharmacy	2
	PAF 4015	Complementary Medicine	2
	PAF 4017	Radiopharmacy	2
	PAF 4019	New Drug Delivery System	2
	PAF 4021	Basic Therapeutic Communication	2
	PAF 4023	Natural Medicinal Biotechnology	2
	PAF 4002	Teratology	2
	PAF 4004	Data Analysis System	2
	PAF 4006	Pharmaceutical Polymer	2
	PAF 4008	Molecular and Biomolecular Analysis	2
	PAF 4010	Cosmetology	2
	PAF 4012	Fermentation and stem cell technology	2
	PAF 4014	Natural Product Marine Chemistry	2
	PAF 4016	Molecular pharmacology	2
	PAF 4018	Veterinary pharmacy	2
	PAF 4020	Specialists and medical devices	2
	PAF 4022	Nutraceuticals	2
	PAF 4024	Hospital Pharmacy	2