



AL - SAEED UNIVERSITY
Faculty of Medical and Health Sciences
Department of Pharmacy
Study plan
Bachelor of pharmaceutical Sciences (B. Pharm. Sc)



First Year/ First Semester

No.	Course Code	Course Title	University/ Faculty/ or Specialty requirements	Credit Hours			Prerequisites / Co- requisites
				Th.	Pr.	Total	
1	ARB 101	Arabic Language I	Univ. Req.	2	0	2	None
2	ENG 101	English Language 1	Univ. Req.	2	0	2	None
3	ITB 101	Computer Skills (1)	Univ. Req.	2	1	3	None
4	COM 101	Communication skills	Univ. Req.	2	0	2	None
5	BIO 111	Biology	Faculty Req.	2	1	3	None
6	CHM 111	General chemistry	Faculty Req.	2	1	3	None
7	PHA 160	Orientation to Pharmacy	Specialty Req.	2	0	2	None
8	Total			14	3	17	

First Year/ Second Semester

No.	Course Code	Course Title	University/ Faculty/ or Specialty requirements	Credit Hours			Prerequisites / Co- requisites
				Th.	Pr.	Total	
1	ARB 102	Arabic Language 2	Univ. Req.	2	0	2	ARB 101
2	ENG 102	English Language 2	Univ. Req.	2	0	2	ENG 101
3	ISL 101	Islamic Culture	Univ. Req.	2	0	2	None
4	BIO 112	Anatomy	Faculty Req.	2	1	3	BIO 111
5	PHS 111	Medical physics	Faculty Req.	2	1	3	None
6	ITB 111	Computer Skills (2)	Faculty Req.	2	1	3	ITB 101
7	PHA 140	Medical botany	Specialty Req.	2	1	3	None
8	PHA 130	Pharmaceutical Calculations	Specialty Req.	2	0	2	PHA 160
9	Total			16	4	20	



Second Year/ First Semester

No.	Course Code	Course Title	University/ Faculty/ or Specialty requirements	Credit Hours			Prerequisites / Co- requisites
				Th.	Pr.	Total	
1	BIO 213	Human Physiology (1)	Faculty Req.	2	0	2	BIO 111, BIO 112
2	BIO 214	Histology	Faculty Req.	2	1	3	BIO 111, BIO 112
3	BIO 215	General Microbiology	Faculty Req.	2	1	3	BIO 111
4	CHM 213	Organic chemistry	Faculty Req.	2	1	3	CHM 111
5	PHA 220	Biochemistry (1)	Specialty Req.	2	1	3	BIO 111/ co CHM 213
6	PHA 231	Physical Pharmacy	Specialty Req.	2	1	3	PHS 111
7	PHA 241	General pharmacognosy (1)	Specialty Req.	2	1	3	PHA 140
8	Total			14	6	20	

Second Year/ Second Semester

No.	Course Code	Course Title	University/ Faculty/ or Specialty requirements	Credit Hours			Prerequisites / Co- requisites
				Th.	Pr.	Total	
1	CHM 212	Analytical Chemistry	Faculty Req.	2	1	3	CHM 111
2	PHA 221	Pharmaceutical Organic Chemistry	Specialty Req.	2	1	3	CHM 213
3	PHA 222	Human Physiology (2)	Specialty Req.	2	0	2	BIO 213
4	PHA 223	Biochemistry (2)	Specialty Req.	2	1	3	PHA 220
5	PHA 233	Pharmaceutical Technology (1)	Specialty Req.	2	1	3	PHA 231
6	PHA 242	General pharmacognosy (2)	Specialty Req.	2	1	3	PHA 241
7	PHA 232	Pharmaceutical Microbiology	Specialty Req.	2	1	3	BIO 215
8	Total			14	6	20	



Third Year/ First Semester

No.	Course Code	Course Title	University/ Faculty/ or Specialty requirements	Credit Hours			Prerequisites / Co- requisites
				Th.	Pr.	Total	
1	PHA 324	Pathology for pharmacy	Specialty Req.	2	0	2	PHA 222
2	PHA 325	Parasitology	Specialty Req.	2	1	3	BIO 215
3	PHA 334	Pharmaceutical Technology (2)	Specialty Req.	2	1	3	PHA 233
4	PHA 343	Phytochemistry (1)	Specialty Req.	2	1	3	PHA 221, PHA 242
5	PHA 346	Pharmaceutical Chemistry (1)	Specialty Req.	2	1	3	PHA 221
6	PHA 350	Pharmacology (1)	Specialty Req.	2	1	3	PHA 222
8	Total			12	5	17	

Third Year/ Second Semester

No.	Course Code	Course Title	University/ Faculty/ or Specialty requirements	Credit Hours			Prerequisites / Co- requisites
				Th.	Pr.	Total	
1	PHA 326	Pathophysiology for Pharmacy	Specialty Req.	2	0	2	PHA 222
2	PHA 335	Pharmaceutical Technology (3)	Specialty Req.	2	1	3	PHA 334
3	PHA 344	Phytochemistry (2)	Specialty Req.	2	1	3	PHA 343
4	PHA 347	Pharmaceutical Chemistry (2)	Specialty Req.	2	1	3	PHA 346
5	PHA 349	Instrumental Analysis	Specialty Req.	2	1	3	CHM 212
6	PHA 351	Pharmacology (2)	Specialty Req.	2	1	3	PHA 350, Co PHA 326
7	PHA 361	Psychology	Specialty Req.	2	0	2	None
8	Total			14	5	19	

Fourth Year/ First Semester

No.	Course Code	Course Title	University/ Faculty/ or Specialty requirements	Credit Hours			Prerequisites / Co- requisites
				Th.	Pr.	Total	
1	PHA 427	Immunology and Vaccines	Specialty Req.	2	0	2	BIO 215
2	PHA 436	Biopharmaceutics	Specialty Req.	2	0	2	PHA 335
3	PHA 445	Applied pharmacognosy	Specialty Req.	2	1	3	PHA 242, PHA 344
4	PHA 448	Pharmaceutical Chemistry (3)	Specialty Req.	2	0	2	PHA 347
5	PHA 452	Pharmacology (3)	Specialty Req.	2	0	2	PHA 351
6	PHA 462	Pharmaceutical Legislations & Ethics	Specialty Req.	1	0	1	Co PHA 452
7	RES 411	Research Methodology and Biostatistics	Faculty Req.	2	0	2	None
8	Total			13	1	14	

Fourth Year/ Second Semester

No.	Course Code	Course Title	University/ Faculty/ or Specialty requirements	Credit Hours			Prerequisites / Co- requisites
				Th.	Pr.	Total	
1	FIP 111	First Aid and Public Health	Faculty Req.	2	1	3	None
2	PHA 437	Pharmacokinetics	Specialty Req.	2	0	2	PHA 436
3	PHA 453	Pharmacology (4)	Specialty Req.	2	0	2	PHA 452
4	PHA 454	Toxicology	Specialty Req.	2	0	2	PHA 452/ co PHA 453
5	PHA 455	Community Pharmacy & OTC Drugs	Specialty Req.	2	0	2	PHA 452
6	PHA 456	Clinical Pharmacy & Therapeutics-1	Specialty Req.	2	1	3	PHA 452
7	Total			12	2	14	

Fifth Year/ First Semester

No.	Course Code	Course Title	University/ Faculty/ or Specialty requirements	Credit Hours			Prerequisites / Co- requisites
				Th.	Pr.	Total	
1	PHA 538	Industrial Pharmacy	Specialty Req.	2	1	3	PHA 335
2	PHA 557	Clinical Pharmacy & Therapeutics-2	Specialty Req.	2	1	3	PHA 456
3	PHA 559	Hospital Pharmacy	Specialty Req.	2	0	2	PHA 335
4	PHA 563	Pharmaceutical Management & Marketing	Specialty Req.	2	0	2	PHA 462
5	PHA 590	Pharmaceutical Field Training-1	Specialty Req.	0	2	2	PHA 453, PHA 455
6	Total			8	4	12	

Fifth Year/ Second Semester

No.	Course Code	Course Title	University/ Faculty/ or Specialty requirements	Credit Hours			Prerequisites / Co- requisites
				Th.	Pr.	Total	
1	PHA 539	Quality Control	Specialty Req.	2	1	3	PHA 538, PHA 349
2	PHA 558	Clinical Pharmacy & Therapeutics-3	Specialty Req.	2	1	3	PHA 557
3	PHA 564	Drug information & Pharmacoeconomics	Specialty Req.	1	0	1	PHA 350
4	PHA 591	Pharmaceutical Field Training-2	Specialty Req.	0	2	2	PHA 590
5	PHA 592	Graduation Project	Specialty Req.	0	2	2	RES 411
6	Total			5	6	11	

Th.= Theory

Pr.= Practical