



Below is the natural sequence of Pharmacy Bachelore program courses designed for students to register per semester. Other degree requirements and comprehensive details are to be found in the AUIS Academic Catalog.

Course Code and Description	Credits	Prerequisite(s)
1st Semester		
R 100 - Reading 100 (Concurrent Required)	3	None
W 100 - Writing 100 (Concurrent Required)	3	None
CSC 101 - Computer Science and IT Applications (Core)	3	None
MTH 133 - Precalculus (Core)	3	None
HPS 101 Healthcare Systems and Soft Pharmacy Skills	1	None
TER 101 Medical Terminology	2	None
Total Credits	15	
2nd Semester		
ENG 101 English 101	3	W 100 , R 100
BSTT 101 Biostatistics	2	MTH 133
CHP 102P Chemistry for Pharmacy + Lab	3	None
PHC 102 Pharmaceutical Calculations I	2	MTH 133
BIO 102P Human Biology and Histology + Lab	4	None
PHY 102P Human Anatomy and Physiology I + Lab	3	12 Earned Credits
Total Credits	17	
3rd Semester		
CIV 101 - The Ancient World History (Core)	3	W 100 , R 100
ENG 102 - Critical Reading and Writing (Core)	3	ENG 101
ORG 203P Organic Chemistry I + Lab	3	CHP 102P
PHY 203 Human Anatomy and Physiology II	3	PHY 102P
MCR 203P Pharmaceutical Microbiology I (Bacteriology) + Lab	3	BIO 102P
PHC 203P Pharmaceutical Calculations II + Lab	3	PHC 102P
Total Credits	18	
4th Semester		
ENG 203 - Research & Project - Writing	3	ENG 102
COM 204 Pharmacy Communication Skills	2	HPS 101
ORG 204P Organic Chemistry II + Lab	4	ORG 203P
BCH 204P Biochemistry + Lab	3	ORG 203P
MCR 204 Pharmaceutical Microbiology II (Parasitology and Virology)	2	MCR 203P
PPE 204P Pharmacy Practice Experience I (PPE I)	1	45 Earned Credits
OTC 204P Self-care and OTC Therapy + Lab	2	45 Earned Credits
Total Credits	17	
5th Semester		
DRG 305 Drug Informatics	2	OTC 204P, PPE 204P
DOS 305P Dosage Forms I + Lab	4	PHC 203P
BCH 305 Clinical Biochemistry	3	BCH 204P
PHA 305P Pharmaceutical Analysis + Lab	3	ORG 204P
COL 305 Foundation of Pharmacology	2	PHY 203
IMM 305 Immunology and Vaccination	2	MCR 204
PPE 305P Pharmacy Practice Experience II (PPE II)	1	PPE 204P
Total Credits	17	
6th Semester		
DRG 306 Drug Development and Innovation	2	ORG 204P, COL 305
IPTIA 306 Integrated Pathophysiology, Pharmacology, and	4	COL 305
IPTIB 306 Integrated Pathophysiology, Pharmacology, and	4	COL 305
PHS 306P Pharmacy Skills I	1	COL 305, PPE 305P
PPE 306P Pharmacy Practice Experience III (PPE III)	1	PPE 204P
DOS 306P Dosage Forms II + Lab	3	DOS 305P
PCH 306 Chemical Basis of Drug Action I	3	ORG 204P
Total Credits	18	
Course Code and Description	Credits	Prerequisite(s)
7th Semester		
IPTIIA 407 Integrated Pathophysiology, Pharmacology, and	4	IPTIA 306, IPTIB 306, PHS 306P

IPTIIB 407 Integrated, Pathophysiology, Pharmacology, and	4	IPTIA 306, IPTIB 306, PHS 306P
PHS 407P Pharmacy Skills II	1	PHS 306P
PCH 407 Chemical Basis of Drug Action II	2	PCH 306
PPE 407P Pharmacy Practice Experience IV (PPE IV)	1	PPE 305P
DOS 407P Dosage Forms III + Lab	3	DOS 306P
COG 407 Pharmacognosy and Plant Poisons	3	ORG 204P, BCH 305, COL 305
Total Credits		18

Summer Semester

IPP407-AP Introductory Pharmacy Placement I (IPP I)	1	OTC 204P, DRG 305, PPE 306P
Total Credits		1

8th Semester

CAM 408 Complementary and Alternative Medicine	2	COG 407
IPTIII 408 Integrated Pathophysiology, Pharmacology, and	4	IPTIIA 407, IPTIIB 407, PHS 407P
PHS 408P Pharmacy Skills III	1	PHS 407P
BPH 408 Pharmacokinetics and Biopharmaceutics	4	DOS 407P
DRD 408 Advanced Drug Delivery Systems	3	PCH 407, DOS 407P
CIV 203 - Civilization III: The Ancient World (Humanities)	3	30 Earned Credits
Total Credits		17

9th Semester

IPTIV 509 Integrated Pathophysiology, Pharmacology and	4	IPTIII 408, PHS 408P
PHS 509P Pharmacy Skills IV	1	PHS 408P
GRP 509P Graduation Project + Lab	3	Senior Standing
MAN 509 Pharmacy Management, Ethics, and Law	3	PPE 305P, PPE 407P, IPP407-AP
IND 509P Industrial Pharmacy + Lab	4	DOS 407P, DRD 408
DLE 509 Clinical Drug Literature Evaluation (Research Methodology)	1	DRG 305, COL 305, IPTIII 408, PHS 408P
IPE 509P Interprofessional Education	1	PPE 306P, PPE 407P, IPP 407-AP, IPTIV 509
Total Credits		17

Summer Semester

IPP509-AP Introductory Pharmacy Placement II (IPP II)	1	IPP 407-AP
Total Credits		1

10th Semester

GNX 510 Integrated Pharmaceutical Biotechnology,	3	BIO 102P, COG 407, IPTIV 509
SIM 510P Simulation Pharmacy (Practical)	1	PPE 306P, IPP 509-AP, IPTIV 509, PHS 509P
TOX 510 Toxicology and Drug Poisoning	3	COL 305, IPTIV 509, PHS 509P
AIP 510P AI in Pharmaceutical Sciences + Lab	3	CSC 101, PCH 407, PHA 305P, BPH 408, PHS 509P, DRG 305
CPK 510P Clinical Pharmacokinetics Skills	1	BPH 408, PHS 509P
STE 510 Sterile Formulations	2	IND 509P
COS 510 Cosmetics and Parapharmaceuticals	2	OTC 204P, IND 509P
Total Credits		15

Program Credits

Core	29
Major	142
Total	171

General Tips and Recommendations

The average daily student involvement in the program is 3.2 hours/week

* The credit hours for the CP subjects equals to 2.3 hours per week.

** The credits hours of this curriculum are based on the US Credit System (USCS), ! USCS = 2 ECTS

*** Each theoretical credit is equal to one our and one practical credit is three hours except for the Pharmacy Practice Experiences (4 hours)

Varied Degree Paths:

Student degree paths may vary slightly from this form. If academic record differs from the courses listed in this form,

