

Master Degree in Pharmaceutical Sciences (Quality Control of Pharmaceuticals) Program

Program Description

Drug and pharmaceutical industries have seen great development in the last decade. In effect, parallel advancement in the ways and methods of quality control of pharmaceuticals became as necessity. This program was designed and constructed to equip the graduate with the most recent procedures of drug analysis and the knowledge of the various factors and parameters encountered in the stability of pharmaceutical compounds.

Program Goals

1. Provide governmental and private health sectors as well as drug industries with personnel suitably qualified in quality control of pharmaceuticals.
2. Provide the graduate with a wide base of knowledge of the chemical, pharmaceutical and microbiological aspects of drug quality control.
3. Meet the increasing demands of pharmacists seeking graduate studies in pharmaceutical quality control.

Admission Requirements

1. Bachelor of pharmaceutical sciences from KSU or equivalent with a minimum of very good GAP.
2. Personal interview.

Program Requirements

The program is set up on required courses comprising 43 credit hours, including a three-hour research project.

Plan of the Program's Courses

a) First Semester

Course No.	Course Name	Credit Hours
PHC 524	Spectroscopic Methods of Drug Analysis	2 + 1
PHC 525	Electrochemical Methods in Drug Analysis	2 + 1
PHT 533	Drug Delivery Systems	3 + 1
PHC 593	Computer Programs in Pharmaceutical Quality Control	2 + 1
PHT 591	Seminar	1 + 0

b) Second Semester

Course No.	Course Name	Credit Hours
PHT 513	Kinetics and Drug Quality	2 + 1
PHC 523	Analytical Separation Methods	2 + 1
PHT 525	Quality Assurance in Pharmaceutical Industry	2 + 1
PHT 581	Pharmaceutical Microbiology-I	2 + 1
PHC 592	Seminar	1 + 0

c) Third Semester

Course No.	Course Name	Credit Hours
PHC 516	Pharmacopeial Methods of Analysis of Drugs and Dosage Forms	2 + 2
PHT 527	Advanced Quality Assurance in Pharmaceutical Industry	3 + 1
PHT 582	Pharmaceutical Microbiology-II	2 + 1

d) Fourth Semester

Course No.	Course Name	Credit Hours
PHT 593	Advanced Topics in Quality Control of Pharmaceuticals	3 + 0
QCP 595	Research Project	0 + 3