

## Career Opportunities

On completion of the pharmaceutical sciences program, the graduates are qualified to work as pharmacists in any of the following areas:

a. Community:

The main activities of the community pharmacist can be summarized as:

1. Dispensing of prescriptions.
2. Patient counselling: Provides patient with the clinical and rational use of drugs, doses, interactions, side effects and storage.
3. Assisting the patient's choice of over the counter (OTC) drugs or in the decision to consult a physician.
4. Health Promotion: provides people with drug and diseases information.
5. Compounding special dosage forms.
6. Training other health care workers.
7. Providing people with self-care information.
8. Helping people for the correct choice and use of some cosmetics.

b. Hospitals:

The main activities of the hospital pharmacist can be summarized as:

1. Processing of prescriptions.
2. Providing drug information to patient or other health care professionals in the hospital.
3. Dispensing and compounding medicines: compounds sterile products as total parenteral nutrition (TPN) and cytotoxic drugs.
4. Quality testing of all medicines used in a hospital.
5. Promoting rational use of drugs
6. Participating in the analysis of drug in the body to determine the beneficial or adverse effects of drugs.
7. Patient counselling: ensures right dose, right route, right time and right drug.
8. Monitoring patient compliance, response to drug therapy and report adverse drug reactions.

c. Pharmaceutical industry:

The main activities of the industrial pharmacist can be summarized as:

1. Formulation and manufacture.
2. Quality control and quality assurance.
3. Patent application and drug registration.
4. Clinical trials and post-marketing monitoring.
5. Sales and marketing.
6. Medical representation of drugs.
7. Cosmetic industry.

d. Academic and research institutions:

The main activities of academic pharmacist can be summarized as:

1. Discovery and development in research institutions: specializes in drug design and characterization; formulation, stability, efficacy, quality and safety of pharmaceutical preparations.
2. Education and scientific research in pharmacy colleges: engages in undergraduate and postgraduate continuing practical pharmaceutical education.

e. Governmental sectors:

The main activities of pharmacist can be summarized as:

1. Registration, approval and quality control of medicines, cosmetics and medical devices.
2. Issuing the license to the community pharmacies or drug manufactories.
3. Application of the pharmacy laws.
4. Inspecting for manufacturers and pharmacies.

f. Others:

1. Veterinary pharmacy.
2. Forensic services.
3. Biomedical laboratories.
4. Military pharmacy services.
5. Saudi FDA (food and drug administration).
6. Nuclear Pharmacy field.
7. Online pharmacy counselling field.