

**Introductory Pharmacy Practice Experience**  
**Skills and Competencies**  
**HOSPITAL**

*Students must at a minimum complete the competencies listed below. Some students, with pharmacy work experience especially, may be able to achieve some advanced level competencies at this time and may be involved in more advanced skills at the discretion of the preceptor.*

**Competencies**

1. The student will understand and be able to verbally relate the following information regarding medications they process as prescriptions/medication orders:
  - a. Therapeutic class and MOA
  - b. Trade and generic name
  - c. Sizes and strengths available
  - d. Recommended dose/duration of therapy
  - e. Indications/contraindications
  - f. Adverse reactions, side effects, signs of toxicity
  - g. Monitoring parameters (for therapeutic and toxic outcomes)
  - h. Drug interactions
  - i. Instructions for patients
2. Student will process prescriptions/medication orders in a professional, ethical, and legal manner from the point of presentation by the patient until the finished product is dispensed. This includes the following:
  - a. Reading, evaluating and interpreting prescriptions (including determining if dose and frequency are correct).
  - b. Determining compliance with state and federal laws and (if applicable), hospital policies. Students will be proficient in how state and federal laws affect pharmacy practice and be able to actively apply this knowledge.
  - c. Identifying legitimacy of the prescription (i.e. forged or incomplete prescriptions should be recognized) and observe the preceptor in effective management of this situation.
  - d. Patient profile review for drug duplication, contraindication, drug interactions, drug allergy, early refills, and identify potential resolutions (i.e. how to address) to the problem(s).
  - e. Student will be able to demonstrate appropriate documentation activities for communications with doctors, processing of CDS prescriptions, and communications regarding problems with prescriptions after observing these activities by the preceptor(s).

3. On hospital Introductory Pharmacy Practice Experiences:
  - a. Students will become familiar with medication order processing from point of physician order (written or computer entry) to administration by the nurse.
  - b. Student will be able to demonstrate appropriate sterile technique for preparation of IV products (either through actual preparation of these products or through mock preparation of products).
  - c. Student will be able to discuss any automation utilized in prescription processing, preparation, dispensing or administration.
  - d. Student will be able to discuss the role of pharmacists within the hospital, including participation in hospital committees if possible.

***Required Skills/Activities:***

- Sterile product formulation and compounding.
- Compounding prescriptions and bulk compounding.
- Select drug products according to state and federal laws (in the case of hospital practice, be familiar with issues related to formulary and policies of the hospital).
- Complete processing and dispensing prescriptions under preceptor supervision.
- Recording patient profile entries (either through observation or active participation).
- Provide drug information under supervision and with assistance of preceptor
- Research higher level drug information questions, requiring use of more than one reference or searching of primary literature: student will be assigned two in-depth drug information questions by the preceptor on each experience. Students should record their responses in their log.

***Advanced Competencies***

These competencies may be achieved by some students prior to the Advanced Pharmacy Practice Experiences; however, students must demonstrate proficiency in these areas on their APPE Rotations.

1. Student will be able to obtain a drug/health history in an appropriate, complete and courteous manner.
2. The student will be able to effectively counsel patients on drug therapy.
  - a. Advise on: drug indication, dosing (number of tablets/capsules or volume of liquid preparations), frequency, special instructions, side effects, duration of use, and pertinent drug interactions (including spacing of medication doses to avoid drug interactions, if appropriate).
  - b. Recommendations and selection of nonprescription products appropriate for the patient's symptoms or nutritional needs. Discussion of potential adverse effects, appropriate dose and duration of use, potential drug-disease state or drug-drug interactions/contraindications, and need for physician referral (when appropriate).

3. The student will develop skills to resolve problems related to patient compliance (under utilization of medication) or overuse/misuse/abuse.
4. The student will be able to advise the patient in selection of medical and surgical supplies. (if applicable)
5. The student will be able to provide drug information presentations to the hospital pharmacy staff.
6. The student will be able to participate actively in health screenings, community education or outreach activities, and other public health initiatives.
7. The student will be able to participate actively in data/information collection for medication usage evaluations, preparation of drug monographs for formulary decisions, development of educational publications (newsletters, etc), and advanced drug information questions.