

# Austin Community College

## FY 2008 Degree Plan

### PHARMACY TECHNICIAN Certificate

The Pharmacy Technician is an integral member of the health care team. Pharmacy Technicians work with pharmacists in the preparation and distribution of pharmaceutical products in a variety of health care settings, including hospital and community pharmacies. Duties of a Pharmacy Technician include: data entry, counting, pouring and labeling pharmaceutical products, customer service, sterile product preparation, and inventory management.

#### Program/Course Description.

The Pharmacy Technician program is a two-semester certificate that combines classroom and laboratory instruction with clinical experiences in local pharmacies. The program accepts students each fall for evening classes and each spring for morning classes.

|                          |                         | <u>Lecture</u> | <u>Lab</u> | <u>Contact</u> | <u>Credit</u> |
|--------------------------|-------------------------|----------------|------------|----------------|---------------|
| <b>Fall Semester</b>     |                         |                |            |                |               |
| HPRS 1206                | Essentials of Medical   | 2              | 0          | 32             | 2             |
| CE (1006)                | Terminology             |                |            |                |               |
| PHRA 1301                | Intro to Pharmacy       | 3              | 0          | 48             | 3             |
| CE (1001)                |                         |                |            |                |               |
| PHRA 1209                | Pharmaceutical Math     | 1              | 2          | 48             | 2             |
| CE (1009)                |                         |                |            |                |               |
| PHRA 1413                | Community Pharmacy      |                |            |                |               |
| CE (1013)                | Practice                | 3              | 2          | 96             | 4             |
| PHRA 1449                | Institutional Pharmacy  |                |            |                |               |
| CE (1049)                | Practice                | 3              | 3          | 96             | 4             |
|                          |                         | 12             | 8          | 320            | 15            |
| <b>Spring Semester</b>   |                         |                |            |                |               |
| PHRA 1441                | Pharmacy Drug Therapy   |                |            |                |               |
| CE (1041)                | & Treatment             | 3              | 2          | 96             | 4             |
| PHRA 1345                | Intravenous Admixture & |                |            |                |               |
| CE (1045)                | Sterile Compound        | 2              | 2          | 64             | 3             |
| PHRA 2266                | Practicum               |                |            |                |               |
| CE (2066)                |                         | 0              | 16         | 256            | 2             |
|                          |                         | 5              | 19         | 416            | 9             |
| <b>Curriculum Total:</b> |                         | 17             | 27         | 736            | 24            |

## **Program/Course Goals.**

Upon completion of the program, students are eligible to take the national Pharmacy Technician Certification Exam.

## **Admission Requirements.**

- Admission to the college does not guarantee admission to the Pharmacy Technician program. Applicants admitted to the program are required to have a physical examination, documentation of immunizations, and verification of tuberculosis status.
- Must have high school diploma or GED
- Pharmacy Technician applicants must take the assessment test (or the TASP/THEA) reading and math portions prior to being considered for acceptance or have equivalent college experience.
- Students must consult with the Pharmacy Technician Program Coordinator and be accepted into the program prior to enrolling for any PHRA course, except PHRA 1301 and PHRA 1209.
- A Criminal Background Check will be required of students as mandated by law or as a condition of program approval/accreditation.

This Pharmacy Technician program is accredited by the American Society of Health-System Pharmacists (ASHP), 7272 Wisconsin Avenue, Bethesda, MA, 20814; phone (301) 657-3000.

Program changes may not be reflected in the current ACC Catalog publication. Please access the most up to date information on the Program's Web Page through a link at [www.austincc.edu/health](http://www.austincc.edu/health) or by contacting the Health Sciences Admissions Office, Eastview Campus, Room 8356.

## **Course Descriptions**

### **PHRA 1001 – Introduction to Pharmacy**

Examination of the qualifications, operational guidelines, and job duties of a pharmacy technician. Topics include definitions of a pharmacy environment, the profile of a pharmacy technician, legal and ethical guidelines, job skills and duties, verbal and written communication skills, professional resources, safety techniques, and supply and inventory techniques. Offered fall, spring, and summer (on-line only).

### **PHRA 1009 – Pharmaceutical Mathematics I**

Pharmaceutical mathematics including reading, interpreting, and solving calculation problems encountered in the preparation and distribution of drugs. Conversion of measurements within the apothecary, avoirdupois, and metric systems with emphasis on the metric system of weight and volume. Topics include ration and proportion, percentage, dilution and concentration, milliequivalent, units, intravenous flow rates, and solving dosage problems. Offered fall, spring and summer (on-line only).

### **PHRA 1013 – Community Pharmacy Practice**

Mastery of skills necessary to interpret, prepare, label, and maintain records of physicians' medication orders and prescriptions in a community pharmacy. Designed to train individuals in the administration of supply, inventory, and data entry. Topics include customer service and advisement, count and pour techniques, prescription calculations, drug selection and preparation, over-the-counter drugs, record keeping, stock level adjustment, data input and editing, and legal parameters. Offered fall and spring.

### **PHRA 1041 – Pharmacy Drug Therapy and Treatment**

Study of therapeutic agents, their classifications, properties, actions, and effects on the human body and their role in the management of disease. Provides detailed information regarding drug dosages, side effects, interactions, toxicities, and incompatibilities. Offered spring and summer.

**PHRA 1049 – Institutional Pharmacy Practice**

Exploration of the unique role and practice of pharmacy technicians in anD institutional pharmacy with emphasis on daily pharmacy operation. Topics include hospital pharmacy organization, work flow and personnel, medical and pharmaceutical terminology, safety techniques, data entry, packaging and labeling operations, extemporaneous compounding, inpatient drug distribution systems, unit dose cart fills, quality assurance, drug storage, and inventory control. Offered fall and spring.

**PHRA 1045 – Intravenous Admixture and Sterile Compounding**

Mastery of skills in compounding sterile products. Introduction to sterile products, hand washing techniques, pharmaceutical calculations, references, safety techniques, aseptic techniques in parenteral compounding, proper use of equipment (auto injectors, pumps), preparation of sterile products (intravenous, irrigation, ophthalmic, total parenteral nutrition, and chemotherapy drugs), and safe handling of antineoplastic drugs. Offered spring and summer

**PHRA 2066 – Practicum – Pharmacy Technician/Assistant**

Practical general training and experiences in the workplace. The college and the employer develop and document an individualized plan for the student. The plan relates the workplace training and experiences to the student's general and technical course of study. The guided external experiences may be paid or unpaid. This course may be repeated if topics and learning outcomes vary. Students are assigned to a community pharmacy for 16 hours each week for eight weeks and a hospital or other health systems pharmacy for 16 hours each week for eight weeks to meet established objectives by performing pharmacy technician duties under the supervision of the on site pharmacist. This is an unpaid learning experience. Offered fall, spring and summer.