PHAR - PHARMACY

PHAR 100 Intro Pharm Pract for Technicians. 3 Credits
Term Typically Offered: Fall
Prerequisite(s): Admission to Pharm Tech program.
Examines general aspects of the profession, including types of pharmacy practice, pharmacy law, and regulations. Students will learn the various job duties as well as educational requirements, registration, and licensing of pharmacists and pharmacy technicians.
Lecture Hours 3
Department: Health Occupations - COT

PHAR 101 Pharmacy Calculations. 3 Credits
Term Typically Offered: Fall
Prerequisite(s): Admission to Pharm Tech program.
Prepares students for calculations used in pharmacy practice. This course reviews various systems of weights and measures (metric, apothecary, household), conversions between these systems, ratio/proportions, dosage determinations, percentage preparations, reducing and enlarging formulas, dilution, concentration, alligation, flow rates, international time, temperature measurements, compounding formulas, and business math.
Lecture Hours 3
Department: Health Occupations - COT

PHAR 102 Pharmacology for Technicians. 6 Credits
Term Typically Offered: Fall
Prerequisite(s): Admission to Pharm Tech program.
Introduces students to the general principles of pharmacology. Drugs are discussed in the context of drug classes, mechanisms of action, disease types, and body systems. The goal is to provide the student with sufficient background information so that the student will be able to play a key role in avoiding dispensing errors. Although emphasis will be given to the approximately 200 most commonly prescribed drugs, many more drugs will be discussed during the semester.
Lecture Hours 6
Department: Health Occupations - COT

PHAR 104 Pharmacy Dispensing Lab. 3 Credits
Term Typically Offered: Fall
Prerequisite(s): Admission to Pharm Tech program.
Provides hands-on training in medication dispensing, non-sterile compounding, and sterile product preparation, without impact or potential for impact on patients. It also continues to build upon the knowledge attained in previous courses, allowing the student to use that knowledge in a practical manner. The course explores the day-to-day operations of both retail and hospital pharmacy. Students will continue to build communication skills through various means. While each skill may be taught in isolation, by the end of the lab component, students will perform each skill in a sequential manner the way the skill is performed in a pharmacy.
Lab Hours 3
Department: Health Occupations - COT

PHAR 120 Medication Safety. 3 Credits
Term Typically Offered: Spring
Prerequisite(s): PHAR 100, PHAR 101, PHAR 102, PHAR 104 and second semester standing.
Examines why medication errors occur, what is being done about errors, and what can be done in the future. Includes medication safety, quality assurance, and quality improvement topics.
Lecture Hours 3
Department: Health Occupations - COT

PHAR 121 Preparation for the PTCB Exam. 1 Credit
Term Typically Offered: Spring
Prerequisite(s): PHAR 100, PHAR 101, PHAR 102, PHAR 104 and second semester standing.
Assists students in preparing for the Pharmacy Technician Certification Board's national exam (PTCE). Students must successfully complete a national certification test to become a registered pharmacy technician in the State of Montana. The PTCE is the most recognized national certification exam in the U.S. and students must take this exam as one of the criteria for completing City College's Pharmacy Technician training program. Students will learn strategies for test taking and review topics covered on the test as outlined by the PTCE.
Lecture Hours 1
Department: Health Occupations - COT

PHAR 198 Internship/Cooperative Educ. 8 Credits
Term Typically Offered: Spring
Prerequisite(s): PHAR 100, PHAR 101, PHAR 102, PHAR 104 and second semester standing.
Provides students the opportunity to participate in training and experience in a variety of hospital and community pharmacy settings under supervision of a pharmacist. Students' experiential activities are performed in at least two different types of contemporary pharmacy settings, one of which must be a dispensing pharmacy (e.g., hospital, community, etc.). This experience will emphasize practical experience in outpatient dispensing, inpatient dispensing, unit-dose systems, IV admixture systems, bulk and sterile compounding, purchasing and inventory control, and effective communication. It is the final preparation for entering the workforce as a pharmacy technician.
Department: Health Occupations - COT