PHARMACY TECHNICIAN (PHM)

PHM 100 Pharmacy Technician Practice I (5 Credits)
Corequisites: PHM 101, PHM 115, PHM 120.
Recommended preparation: MTH 015 (or higher) or minimum placement Math Level 7; WR 065 (or higher or BA 214) or minimum placement Wr/Comm Level 7; and BI 105.
Introduces basic information, techniques and procedures needed to assist the pharmacist in delivery of pharmaceutical products and services. Provides a working knowledge of the many aspects of pharmacy in community, institution and other practice settings. Progressive learning takes place as new information and skill sets are studied throughout the course. Covers the regulatory agencies and laws that affect pharmacy practice. Emphasis is placed on the duties and responsibilities of the pharmacy technician to assist the pharmacist. Explores employment opportunities, interpretation and processing of prescriptions, pharmacy law, standards of practice and orientation to the skills required for the occupation of a pharmacy technician.

PHM 101 Pharmacy Tech Law and Ethics (3 Credits)
Corequisites: PHM 100, PHM 120.
This course orients students to the work of pharmacy technicians. Students learn the concept of direct patient care and the technician’s role in its delivery with emphasis on the complementary roles of pharmacists and technicians in both the community and institutional pharmacy setting. Students are introduced to the federal and state laws as well as the standards of practice which govern the practice of pharmacy. Students will be able to identify examples of professionalism in pharmacy and discuss the important areas of the Health Insurance Portability and Accountability Act (HIPAA) as it relates to patient confidentiality.

PHM 110 Pharmacy Calculations (3 Credits)
Prerequisites: PHM 100, PHM 101 and PHM 120.
Corequisites: PHM 130, PHM 140.
Recommended preparation: MTH 015 (or higher) or minimum placement Math Level 7.
This online course reviews basic mathematics related to the application of math concepts to the duties of the pharmacy technician. This course covers the systems of weight, measurement and temperature and the conversion from one system to the other. Emphasis is placed on the math skills needed to calculate doses, drug quantity or volume, intravenous flow rates and percentage concentrations and to learn the mechanics of proportions related to pharmaceutical dosing. The basics of retail pricing and accounting are introduced.

PHM 115 Retail Simulation Lab (2 Credits)
Laboratory instruction complements the lecture with hands-on experience in medication preparation, dispensing, calculations and business applications.

PHM 120 Pharmacology I (5 Credits)
Corequisites: PHM 100, PHM 101.
This online course introduces students to trade and generic names of commonly prescribed drugs used in prevention and treatment of various disease entities. Emphasis is placed on important contraindications, side effects, precautions and interaction of drugs and the process of drug utilization review. The course will provide a basic understanding of pharmacological categories and factors than can affect drug kinetics.

PHM 130 Pharmacology II (5 Credits)
Corequisites: PHM 110, PHM 140.
This online course continues the introduction to trade and generic names of commonly prescribed drugs used in prevention and treatment of various disease entities. Emphasis is placed on important contraindications, side effects, precautions and interaction of drugs and the process of drug utilization review. The course will provide a basic understanding of pharmacological categories and factors than can affect drug kinetics.

PHM 140 Pharmacy Technician Practice II (5 Credits)
Corequisites: PHM 110, PHM 130.
Teaches the information, techniques and procedures needed to assist the pharmacist in delivery of pharmaceutical products and services. Provides a working knowledge of the many aspects of pharmacy in a community, institution and other practice settings. Progressive learning takes place as new information and skill sets are studied throughout the course. Students will understand the regulatory agencies and laws that affect pharmacy practice. Emphasis is placed on the duties and responsibilities of the pharmacy technician. This course explores employment opportunities, interpretation and processing of prescriptions, pharmacy law, standards of practice and orientation to the skills required for the occupation of a pharmacy technician. Application of skills in a practical setting will be covered. This is a four-credit hybrid course and students should expect to spend nine to 12 hours per week completing the required course work. In addition to the online section, this course requires a one-credit (20 hour) lecture-lab session. Lab sessions are 1.5 hours once a week (days and times to be determined). The labs will be held on the COCC Bend campus and students are responsible for all travel expenses.

PHM 145 Institutional Simulation Lab (2 Credits)
Laboratory instruction complements the lecture with hands-on experience in intravenous medication preparation, sterile compounding, calculations, and maintaining drug stocks.

PHM 180 Co-op Work Experience Pharmacy Technician (1-4 Credits)
Prerequisites: Instructor approval.
Provides experience in which students apply previous Pharmacy Technician classroom learning in an occupational setting. Credits depend on the number of hours worked. P/NP grading.

PHM 181 Pharmacy Technician Seminar (2 Credits)
Prerequisites: PHM 110, PHM 130 and PHM 140.
Corequisites: PHM 190, PHM 191.
This online seminar presents discussions on various aspects of the practicum. Students will share work related experiences with the instructor and their peers. Students will prepare to take the Pharmacy Technician National Certification exam. Covers employment opportunities, resume writing, completing job applications and interviewing skills. P/NP grading.

PHM 188 Special Studies: Pharmacy Technician (1-4 Credits)
Explores topics of current interest in the discipline.
PHM 190 Pharmacy Technician Practicum I: Hospital/Institutional (1-4 Credits)
Corequisites: PHM 181, PHM 191.
This course is an unpaid learning experience which takes place on site at a prearranged clinical facility and is supervised by a registered pharmacist. Each credit is equivalent to 30 hours participation in the clinical worksite. Passing grade will require completion of 120 hours of practice at a facility registered with the Central Oregon Community College Pharmacy Technician Program. You must keep a notebook to log experiences at the worksite and report in the Journal Section of the Pharmacy Seminar Course (PHM 181). A satisfactory evaluation must be submitted by your preceptor that you have successfully exhibited skills in a hospital (institutional) pharmacy. P/NP grading.

PHM 191 Pharmacy Technician Practicum II: Retail/Community (1-4 Credits)
Corequisites: PHM 181, PHM 190.
This course is an unpaid learning experience which takes place on site at a prearranged clinical facility and is supervised by a registered pharmacist. Each credit is equivalent to 30 hours participation in the clinical setting. Passing grade will require completion of 120 hours of practice at a facility registered with the Central Oregon Community College Pharmacy Technician Program. You must keep a notebook to log experiences at the worksite and report in the Journal Section of the Pharmacy Seminar Course (PHM 181). A satisfactory evaluation must be submitted by your preceptor that you have successfully exhibited skills in a retail (community) pharmacy. P/NP grading.

PHM 199 Selected Topics: Pharmacy Technician (1-4 Credits)
This course is in development.

PHM 298 Independent Study: Pharmacy Technician (1-4 Credits)
Prerequisites: Instructor approval.
Recommended preparation: prior coursework in the discipline.
Individualized, advanced study to focus on outcomes not addressed in existing courses or of special interest to a student. P/NP grading.