

HEALTH SCIENCE ACADEMY
Pharmacy Technician
Course Syllabus
Instructor: Amy Garland-Rusnak
2017-2018

DESCRIPTION: The Health Science Academy is designed for College Tech Prep and Career Technical Education for Trumbull County students in grades 11-12. The course of study portion of this program reflects the academic and technical competencies for secondary education students. The technical focus is on the blending of a variety of health care concepts into hands-on applications for the improvement of life. Students transitioning to post-secondary education will receive reinforcement and additional training in these areas.

During the first semester all Health Science Academy (HSA) students will complete course work that is basic/core to all health care programs. They will then go into one of two pathways in the medical profession. The Pre-Nursing pathway will focus on therapeutic or hands on care, growth and development throughout the lifespan and basic pharmacology knowledge.

The Pharmacy Technician pathway is part of the Health Science Academy at the Trumbull Career and Technical Center. The students will participate in the following classes in this particular order:

Junior Year

Semester 1

Principles of Allied Health (Core) & Medical Terminology

The core elements such as medical terminology, anatomy/physiology, career exploration, business processes, medical math, legal/ethical responsibilities, safety, CPR/First Aid and measuring vital signs are covered.

Semester 2

Pharmacology I & Medical Terminology

The second semester will be spent developing an understanding of fundamental pharmacological concepts. In addition, it presents applied and practical information on the skills necessary to function effectively in the pharmacy technician role. Acquisition of medical terminology will continue throughout the school year.

Senior Year

Semester 1

Patient Centered Care and Diagnostics (STNA)

The first semester of the senior year will contain the Nurse Aide Training Program. Upon successful completion of the Nurse Aide Training Program and clinicals (5 days), the student will be eligible to take the State Tested Nursing Assistant (STNA) examination. In order to participate in clinicals, the student cannot miss more than 3 days of classroom/lab during STNA instruction and must maintain an average of 80% on chapter tests and assignments.

Criteria for taking the STNA examination

- Pass classroom/lab with 80%
- No more than 3 days absent from classroom/lab
- Attend all 5 days of clinical

Semester 2

Pharmacology II

The second semester will be spent on continuing to develop an understanding of fundamental pharmacological concepts. Applied and practical information on the skills necessary to function effectively in the pharmacy technician role will continue to be reinforced. A large portion of class is dedicated to studying and learning test taking skills and strategies in order to pass the Examination for Certified Pharmacy Technicians (ExCPT) . This exam will be administered by PSI Testing Solutions at an outside facility in accordance with the NHA guidelines. The ExCPT will be scheduled during the final quarter of the senior year. The ExCPT must be taken 30 days or less from graduation of high school. The ExCPT (1st attempt) will be paid for by TCTC.

Criteria for taking the ExCPT

- Credentialing Exam in accordance with the TCTC Student Handbook
- Students must maintain a B or better in Pharmacology II
- Student must have 90% attendance
- Student must not have any disciplinary issues
- Students must be able to score an 80% or above on at least 1 out of 5 practice tests provided through NHA

ARTICULATION AGREEMENT:

Kent State University/Trumbull

Students have the opportunity to earn up to twenty-four credit hours toward an Associate of Technical Study Degree from Kent State University/Trumbull. Earning this associate degree helps the student to build business, management and communication skills necessary to become an effective supervisor. To receive these twenty-four credit hours, the student must pass the Pharmacy Technician program at TCTC with an A or B average and pass the National Certification Exam to become a Certified Pharmacy Technician. The student must then enroll at KSU/Trumbull and request these hours.

Eastern Gateway Community College

Students may participate in College Credit plus program through Eastern Gateway Community College (EGCC) to earn 5 college credits through the STNA program. All EGCC admissions and class requirements must be completed to qualify.

CTAG

Students will have the opportunity to earn college credit through an Ohio Articulation agreement (CTAG) through the Ohio Board of Regents (OBR). Students must earn a “B” or better in Medical Terminology course 072150, and pass the Web Exam at the end of the course.

INSTRUCTIONAL PHILOSOPHY: Students will work independently and in groups to complete course topics. Instruction will be presented through lectures, students rotating through modules, which are designed to develop skills, attitudes and work habits sufficient to enter and make progress in health occupations, individual journal-keeping and independent research projects. Students will also work in health-care facilities to gain on the job experience.

TEXTBOOKS: Thomson Learning, Introduction To Health Care, 2ndED, DCM, Medical Terminology 350 Series, Morton’s Pharmacy Calculations, 5nd Ed, Morton’s The Pharmacy Technician, 6th Ed, The Learning Express and McKesson Pharmacy Software.

CURRICULUM: This course will follow the Trumbull Career and Technical Center’s Health Science Academy Pharmacy Technician Course of Study that has been developed from courses provided by the Ohio Department of Education.

TOPICS COVERED:

The students will receive instruction in the following areas:

1. Business Operations

- Employability Skills
- Leadership, Professionalism, and Communications
- Business Ethics and Law
- Knowledge Management and Information Technology
- Global Environment
- Business Literacy
- Critical Thinking & Decision Making

2. Human Body System

- Human Body Form, Function and Pathophysiology
- Evaluate Body Systems
- Medical Terminology

3. Therapeutic Interventions

- Environmental Interventions
- Health Promotion Interventions
- Emergency Interventions
- Nutritional Interventions
- Exercise and Rehabilitative Intervention
- Pharmaceutical Interventions
- Surgical Interventions

4. Assistive Care

- Scope of Practice
- Therapeutic Communication and Interpersonal Skills
- Pathogenic Microorganisms, Infection Control and Infection
- Hygiene
- Ambulation and Mobility
- Elimination
- Psycho-social, Behavioral and Emotional
- End-of-Life Care

5. Bioscience Research and Development

- Handling, Preparation, Storage and Disposal
- Microbiology Testing and Technology
- Clinical Laboratory Techniques and Procedures
- Laboratory Standard Operational Procedures
- Culturing

6. Health Information Management

- Health Information Literacy
- Confidentiality, Privacy and Security
- Electronic Health Records and Coding

MAJOR COURSE PROJECTS AND ASSIGNMENTS:

Job Shadowing/ Community Service: Students will participate in a job shadowing experience to help the student to see what an actual day in a health care setting is like. Each student must complete 4 hours of volunteer time in a pharmacy setting or some type of health care setting. This job shadowing experience must be done during their junior year. The student is responsible for obtaining the pharmacy site (with approval of the instructor), transportation to and from the site and required documentation to be completed. **At NO TIME, can this be done during regular school hours!**

Capstone Project: Students will participate in a Capstone Project which will showcase all of their work from their junior and senior year at TCTC. When students enter their junior year, they will develop a website that showcases their academic, program and employment skills for their entire time while attending TCTC. This website will be presented to a panel of judges near the end of their senior year. Ultimately, this website can be used as a digital passport to help students pursue future career development or post-secondary education options.

MATERIALS REQUIRED:

Paper

Pen

Pencils

Watch with second hand

Highlighters

Headphones/Ear buds for HC21 (online learning)

*****Note: Needed by beginning of senior year**

*Background check which will cost approximately \$30.00

* WHITE leather nursing or ALL WHITE leather tennis shoes

ATTENDANCE POLICY: In the health care field, attendance is of the utmost importance. This class will follow the TCTC guidelines on attendance found in your Student Handbook! If you have an excused absence, it is **your responsibility** to see me for the assignment. The student has the number of days they were absent to make up the assignment they missed. If they do not turn in assignments by that time a zero will be given for the assignment. The student may NOT miss more than 36 days in two years for **any reason** in order to receive their certificate of completion.

GRADING SYSTEM: Grades will be calculated based on lab work, lab competency tests, classroom tests, journals, healthcare articles, lab grade, daily worksheets and workbook grades.

Part of being in a professional career is having the ability to turn assignments in on time. **The students are expected to turn all assignments in on time. If the assignment is late then they will receive a zero as their grade. No late work will be accepted unless they have an excused absence. If they have an excused absence the student has the number of days they were absent to make up the assignment they missed. If they do not turn in assignments by that time a zero will be given for the assignment.**

The TCTC Grading System is:

92-100	A
83-91	B
74-82	C
66-73	D
0-65	F

DISCIPLINE: This class will follow the TCTC guidelines for discipline found in your Students Handbook.

If you need extra help during the school year, please do not hesitate to see me. I can make myself available to you at any time. It is my goal to help make your stay here in the Pharmacy Technician program at the TCTC, a happy and successful experience.

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