

**Carver Career and Technical Education Center
Therapeutic Service Syllabus**

School Year	2022-2023
School Phone	304-348-1965 ext. 111
Contact Times	730am-330pm(730-9,11-1,300-330)
Instructor	Michelle Harper, RN,BSN
Instructor Email	msharper@mail.kana.k12.wv.us
Class Hours	Am: 9-11, PM 12:30-2:30

Class Description

The Therapeutic Service Program is designed to prepare students for a career in the healthcare field. Students may enter the field of Phlebotomy, EKG Technician, or Patient Care Technician upon graduation, or they may choose to continue their education in some aspect of the medical field. The knowledge and certifications obtained in this class will help to build the student's college and/or job portfolio. Students will engage in a Simulated Workplace style of learning which would mirror a Clinic-Setting. Students will hold job titles and will be held to simulated work-place standards. Students will learn the technical skills, as well as the professional aspect of holding a job in the medical field.

Concentration Courses ** A minimum course completion score of 80% is required to progress to the next course**

0711 Foundations of Health Science (1st Year, 1st 9 Weeks)

Text: Simmers, Louise, Diversified Health Occupations (7th Edition)

HealthCenter 21: a digital curriculum in which the student learns through online lessons, quizzes and tests

Instructional focus is basic medical terminology, human growth and development, nutrition, health care delivery systems, and health maintenance practices. Students also learn emergency response procedures and obtain certification in First Aid and CPR

0715 Advanced Principles of Health Sciences. (1st Year, 4th 9 Weeks)

Text: Simmers, Louise, Diversified Health Occupations (7th Edition)

HealthCenter 21: Applied Science digital curriculum

Instructional content will focus on healthcare safety, environmental safety, legal and ethical principles, HIPAA and Occupational Safety, and medical mathematics. Also medical terminology reinforcement and diseases and disorders. Students also will become certified in OSHA 10 during this course. Technical skills learned are Vital Signs- how to measure and what the correct parameters should be, and how to maintain aseptic and sterile techniques.

0789 Clinical Specialty I (Phlebotomy) (2nd Year 1st 9 Weeks)

Text: Kalanick, Kathryn, A. Phlebotomy Technician Specialist (2nd edition)

HealthCenter 21: an online applied science digital curriculum

Instruction in this class will focus on learning lab safety, professionalism, legal and ethical issues and learning to perform the correct technical Phlebotomy Skills. **Students are required to obtain 10 successful capillary punctures and 30 successful venipunctures.**

Students must successfully complete the lab safety procedures the instructor provides in order to begin practicing capillary or venipunctures. Students will be given a lab safety test prior to participating in the Phlebotomy lab. Upon completion of this class and the required punctures, students will have the opportunity to take a Certification Exam through the National Healthcareer Association.

0790 Clinical Specialty II (EKG Technician) (2nd Year 3rd 9 Weeks)

Text: Cathy D Soto, PhD. Essentials of Electrocardiography

HealthCenter 21: an online applied science digital curriculum

Instruction in this class focuses on basic operation of a 12-lead EKG machine, Holter Monitor and other cardiac testing as well as cardiac monitoring. Students will learn cardiac anatomy and physiology and will learn how to interpret basic EKG rhythms and how to treat basic abnormal and life-threatening heart rhythms. **Students are required to complete 10 live EKG readings in order to complete this class and may then take the Certification Exam through the National Healthcareer Association.**

Elective Courses (1st Year 2nd 9 Weeks)**1060 Essential of Addiction and Prevention**

This course focuses on the science of addiction and strategies for prevention. Students learn about the history of addictive substances, the worldwide use of them, the harmful effects of them, the reversal agents for substances that are reversible and focus on prevention efforts of those substances at different age levels. Assessments in this course are chapter reviews, tests and group projects. Students receive Narcan training during this class if able to arrange.

0721 Medical Terminology (1st Year 3rd 9 Weeks)

Course instruction focuses on terminology and abbreviations frequently used in the medical field. Students typically form note cards for reference and do chapter reviews specific to body systems. Students are given projects during this course and have chapter tests.

Elective Courses**0716 Body Structures and Functions (2nd year 2nd 9 Weeks)**

Course instruction focuses on the structure and function of each system in the human body. Additional instructional components include concepts that pertain to the body, applicable medical terminology, and the pathophysiology common to each system. Students utilize problem-solving techniques and participate in hands-on activities to develop and understanding of course concepts. Students design body structures out of clay to represent the anatomy of the body system.

0730 Health Science Clinical Experience (2nd Year 4th 9 Weeks)

Text- NHA Review Material for Phlebotomy Technician, EKG Technician, and/or Patient Care Technician may be reviewed during this course to review for Certification Exams desired by the students.

This course is designed for clinical specialization experience. The student is placed in the healthcare setting as closely related to their field of interest as possible. CAMC Memorial has specific departments that are willing to have students to shadow and practice skills learned in class. Focus is on punctuality, professionalism, attendance and eagerness to learn and help. Students are responsible to provide their own transportation to their clinical site. Students must have a negative drug test prior to attending clinicals. If the student does not take the drug test that Carver Career Center offers, they may obtain one from their family Physician or reputable company. If the student does not take a drug test, they will be provided with book work for this 9 weeks and will not be permitted to attend Health Care Clinicals. Principal and Teacher discretion will be used in this situation. Students will not be allowed to attend a Clinical if it is determined that they have not shown maturity and readiness in the classroom and laboratory areas. Students must have obtained a grade of B or better in the required courses to attend clinicals. The student is provided a preceptor at the site who will sign the time and date of the student clinicals. Students must turn in the necessary paperwork given to them weekly and document their experiences. Students must complete 80 hours of clinical rotation for class completion unless extenuating circumstances occur, and the instructor may give additional clinical-type assignments.

Grade Scale:

As defined by Kanawha County Schools the grade scale is as follows:

90-100	A	Mastery
80-89	B	Above Average
70-79	C	Average
60-69	D	Below Average
0-59	F	Poor Work

Classroom Rules of Conduct:

- Always behave professionally and respectfully
- Be punctual
- Be prepared (this includes having a charged functioning Ipad for class)
- Students are expected to follow simulated workplace protocols and the Student Handbook
- No cell phone use in class
- No cheating, students must do their own work, otherwise, this may result in a zero for an assignment
- Students may have specific seating arrangements
- No bullying whatsoever will be tolerated
- No tobacco product whatsoever in the class (This includes any type of vape)

Laboratory Rules

- Safety is always first
- No food, drink or gum in the lab
- No procedure is performed without supervision from the teacher
- Hard-toe shoes are preferred. NO CROCS with holes or sandals
- Hair should be pulled back away from the face
- Proper scrubs are to be worn in the lab- this includes a scrub top and scrub pants. Certain jackets may be approved by the instructor, long sleeve T-s are permitted under the scrub top.
- Never put anything in your mouth while in the lab
- Proper PPE must be used in the lab. Never leave and return to the lab with PPE on, it must be removed before leaving the lab
- Never recap a contaminated needle
- Properly dispose of all sharps and equipment
- Keep the sharps box stored properly and never use when full
- Report any needle stick immediately to the teacher
- No excessive jewelry in the lab
- Always wear a face shield when splashing of blood/fluids is possible
- Know CPR and First Aid
- Know how to handle a patient who may pass out

Attendance/Makeup work

Due to Simulated Workplace absences should remain only when absolutely necessary. When the student has missed 11 total days in the program, they will at that time be evaluated by the teacher to return to their home school. It is a privilege to attend this program and good attendance is expected in order to maintain the 80% or higher in the required courses. Make up work is the responsibility of the student to obtain. All assignments will be on Schoology. The student may contact the teacher regarding the work, and it will be given to them. Late work will be accepted but full points will not be given.

Drug Screening

All students will be drug tested prior to their Clinical to provide the industry standard drug free work force. It is vital going into the health care setting that we can assure the professionals you will be working for that you are drug-free. Drug testing is done at the school by an outside company. Students who do not take a drug test or provide a negative drug test will not be permitted to attend a Health Care Clinical Rotation. They will be placed on light duty within the lab and will be assigned duties that may include cleaning the lab, stocking supplies, performing inventory, or completing bookwork in place of technical skills practice.

Costs: 1 set of scrubs the first year, an additional set the 2nd year (Approximately 30\$ for a set). Certification review for Phlebotomy/EKG Technician/Patient Care Technician- approximately \$80 each.

Certification Exams Phlebotomy/EKG/ Patient Care Technician- approximately \$110 each

Shoes for practicing in the lab must be solid leather top- no mesh or no crocs with holes and the shoe must have a back. This is for safety reasons- These will be needed First 9 weeks of Senior year. Shoes while attending Health Care Clinical must be clean and professional in appearance. Please contact the teacher if assistance is needed with any of these costs.

**Outline of content to be covered during the 2-year program
WVEIS Code Course:**

Year 1

0711E1	Foundations of Health Science (Core)
1060E1	Essentials of Addiction and Prevention
0721E1	Medical Terminology
0715E1	Advanced Principles of Health Science (Core)

Year 2

0789E2	Clinical Specialty I (Phlebotomy) (Core)
0716E2	Body Structures and Functions
0790E2	Clinical Specialty II (Electrocardiograph Technician) (Core)
0730E2	Health Science Clinical Experience

****Core classes must be passed with a grade of B or higher**

Student and Parent Signature Page
Carver Career Center- Therapeutic Service

I have read the content of this syllabus and understand specifically what is being said and the intent of the syllabus. I am aware of the course content to be covered as well as all the costs involved.

I understand and agree with policies outlined in this syllabus.

Student Signature _____

Parent/guardian Signature _____

Parent/guardian printed name _____

Best contact number for parents:

Mother _____

Father _____

Guardian _____

Parent/guardian work numbers and company name if applicable

Parent's email address: _____