



**Instructor:** Valin McLeod

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**Advanced Health Sciences (V1610)** 2026-2027, Full Year Program

**PM Shift:** 11:25 am – 1:50 pm

**Classroom phone:** 734-419-2136

**Main Office phone:** 734-419-2100

**Extra Help:** After School until 3 pm by appt.

# CIP: 51.0000 Health Sciences/Therapeutic Services

## **COURSE DESCRIPTION: Advanced Health Sciences**

**COURSE DESCRIPTION:** Advanced Health Sciences – 2nd year expands upon the foundational concepts introduced in Health Occupations I/Medical Assisting I/Sports Med I. Students will build advanced knowledge and practical skills in areas such as safety and infection control, healthcare systems, leadership, employability, communication, and health career exploration.

This course emphasizes hands-on clinical experience, preparing students to safely and effectively perform bedside patient care skills including phlebotomy, electrocardiography (EKG), sterile technique, and pharmacy technician responsibilities. Students will also further develop their understanding of anatomy and physiology, medical terminology, and advanced medical math.

In addition, students will participate in work-based learning opportunities designed to strengthen career readiness and professional skills. Upon successful completion of the program, students will have the opportunity to earn industry-recognized certifications in EKG Technology and Pharmacy Technology.

**General Requirement:** Strong science and math background. Successful completion of Health Occupation I/Medical Assistant I/Sports Med I.

### **Course Materials**

- Folder
- Composite notebook **REQUIRED**
- Wrist watch with a second hand **REQUIRED**
- Black scrub set **REQUIRED**



**Certificates:** Students enrolled in this course are eligible to sit for industry-recognized certification exams, providing valuable credentials that enhance career readiness and support future employment opportunities in the healthcare field.

- NHA EKG and Pharmacy Technician
- BLS/First Aid Certification
- Stop the Bleed Certification

Students at William D. Ford Career Technical Center who maintain a grade of B or higher, have 12 or fewer absences for the school year, and successfully complete the credentialed study guides/modules demonstrating gradual improvement with a minimum average score of 65% across six practice exams are eligible to take certification exams. This opportunity is provided at no cost to families.

#### **Course Textbooks**

- The Pharmacy Technician Foundations and Practices Textbook
- Hartman's Complete Guide for the EKG Technician 2nd edition

## **CORE CURRICULUM STANDARDS**

Advanced Health Sciences is a build-on course to Health Occupations/Medical Assisting and provides students with advanced, **NON-DUPLICATED INSTRUCTION** through hands-on, work-based learning experiences in the healthcare field. Students will develop the clinical, technical, and professional skills necessary for careers in healthcare while preparing for industry-recognized certifications in EKG Technician and Pharmacy Technician.

Students will continue to develop higher-level healthcare competencies, including:

- Students will demonstrate knowledge of healthcare safety, infection control, HIPAA, and professional standards in clinical settings.
- Students will develop patient care and communication skills through hands-on clinical and laboratory experiences.
- Students will learn proper techniques for obtaining vital signs, patient assessments, and documentation procedures.
- Students will gain an understanding of cardiovascular concepts, including EKG rhythm interpretation, lead placement, cardiac monitoring, and electrocardiogram procedures in preparation for EKG Technician certification.
- Students will be required to successfully perform 10 live EKG tracings as part of their clinical skill development and certification preparation.
- Students will gain an understanding of pharmaceutical terminology, medication classifications, prescription processing, dosage calculations, pharmacy laws, and medication safety in preparation for Pharmacy Technician certification.
- Students will participate in pharmacy simulations that focus on prescription processing, medication dispensing, customer service, inventory procedures, and pharmacy operations.



- Students will strengthen employability, leadership, teamwork, and customer service skills necessary for healthcare careers.
- Students will participate in work-based learning opportunities, simulations, demonstrations, and real-world healthcare scenarios to reinforce classroom instruction.

The hands-on portion of the class will be explained later in the coming weeks. The first weeks of class will focus on introductions, classroom expectations, safety procedures, healthcare professionalism, paperwork, lectures, demonstrations, and foundational coursework that must be completed prior to participation in advanced hands-on clinical activities.

## GRADING ADDENDUM

**GRADING:** Course grades are based on mastering the standards instead of accumulating points. Students are graded on their level of achievement on individual, specific standards.

### Key Features of the Updated Grading Policy

#### Common Categories & Weights

- **Summative (80%)** - Assessments that show what students have learned (tests, quizzes, papers, projects, presentations, etc.).
- **Formative (20%)** - Practice opportunities for learning (homework, exit tickets, classwork, discussions, etc.).

#### Semester Grades

- Students will no longer receive separate quarter or exam grades. Instead, grades will reflect learning across the entire semester.
- Progress reports will still be provided midway through the semester as a snapshot in time. Final exams may still be given at the teacher's discretion, but will be factored into the semester grade rather than reported separately.

#### Summative Assessment Redos/ Make-Ups

- For every major test, students will have the opportunity to complete test corrections (see Universal Accommodations below).
- If a student is absent on the due date of a test, quiz, presentation or project the student is expected to be ready to complete the test or quiz/ present completed presentation or project on the day they return to school.
- End-of-semester assessments and vocabulary quizzes are not eligible for reassessment or test corrections.

#### Formative Work Expectations

- Students should always turn in their best work with their names on it.
- Late or missing formative work will be accepted until the end of the unit covered. Deadlines will be posted in the classroom and in Google Classroom for students to keep track of.



- The student must communicate if they will be absent when assignments are due.

### **Common Grading Scale**

- Teachers will use a **4-point proficiency scale** rather than percentages.
  - 4= Distinguished understanding
  - 3.5-3= Proficient Understanding
  - 2.5-2= Partial Understanding
  - 1.5-1= Limited Understanding
  - 0.5= No Understanding
  - 0= Not attempted, No effort. No evidence
- ParentConnect will display number grades that correspond to letter grades on transcripts.

**Syllabus and grading scale subject to change per district policies, protocols and requirements throughout the school year and the instructor will notify students as soon as changes are made and a new syllabus will be available to students online (print available as requested).**

### **Universal Accommodations**

- All students are allowed to complete test corrections for a score under 70% (or 2).
  - Completed corrections are worth half of the points.
  - Each wrong test answer must have the correct answer written in full with accommodating rationale along with the reason the selected wrong answer is incorrect.
  - Test Corrections are due within 2 business days of the original test date.
- Extended, in class, test/ quiz time is allowed to all individuals on all tests and quizzes.

### **Late Work**

This course is preparing you for a professional position in the workforce. Therefore, late work will not be accepted under normal circumstances. If you speak with the teacher, late work may be accepted up to one week after the due date with a loss of 50% of the score.

### **Plagiarism/ Academic Offenses**

Academic dishonesty is defined as a student's use of unauthorized assistance with intent to deceive the instructor in meeting course requirements. **Plagiarism** is the use of another person's distinctive ideas or words without acknowledgment. **Cheating** involves the possession, communication or use of information, materials, and assignments not authorized by the instructor. These offenses result in a zero for the assignment or exam.

**We believe these updates will provide a clearer, more accurate picture of student learning and help support every student's academic success. Please understand that the grading updates may not always be applicable to Health Occupations courses as oftentimes a student must complete one learning unit to move on to the next.**

### Employability Skills Weekly Score

This program is designed to help students learn how to be employable and prepared for the workforce. Students will earn “Employability Points” each week Based on their attendance, attitude and in-class behavior.

- Students will have an automatic 10 points per day for being on time and ready to learn.
- Students will be expected to let the instructor know via email if they will be late or are tardy; no notification will result in points lost.
- Cell phones, headphones and ipads are to be put away during class time; points will be deducted if a student is on a device during class time.
- Not participating in class activities will result in points being deducted. Sleeping or head down during lectures will result in points being deducted.
- Any misconduct in behavior or attitude will result in points being deducted. See chart below.

	Monday	Tuesday	Wednesday	Thursday	Friday	Weekly Grade
Student Name	10 pts	10 pts	10 pts	10 pts	10 pts	50 pts total- no deductions
Student Name	10 pts	-5 (S)	10 pts	-10 (A)	10 pts	35 pts total

### Infarction and deducted point amounts:

- A= Absent with a no call/ no show -10
- T= Tardy -5
- U= Not in proper uniform -5
- S= Sleeping -5
- HD= Head Down -5
- P= Personal Electronics -5
- M= Misconduct - 10
- NP= Not Participating -10

## ADVANCED HEALTH SCIENCES GUIDELINES AND RULES

5 RULES FOR THE CLASSROOM	5 RULES FOR THE LAB
• Listen with your full attention to the	• Be on task and ready to learn at all



teacher and your classmates.	times.
• Come to class on time and ready to learn.	• Always listen when your teacher is talking.
• Always give your best effort on all your work.	• Use equipment properly and safely.
• Demonstrate professionalism in punctuality, behavior, appearance, and language.	• Be a productive, positive and kind team member.
• Respect yourself, others, and materials in the classroom.	• Leave your workspace better than you found it.

**CAREER TECH DRESS CODE**

The style and manner in which a student dresses while attending Career Tech must be professional at all times. Students must wear clothing that is not disruptive to the educational process. Shirts must cover the chest and midriff. Another shirt must cover tank tops. Shorts and skirts must be below fingertip length. The administration will be notified if the dress code is not followed.

Students will be required to wear a uniform, Black Scrubs, once per week. Showing up on their assigned day in Uniform is part of their grade. During our clinical rotation, they will be required to show up to their clinical days in their uniforms. Failure to show up to clinicals in uniform will result in the student not being allowed to attend clinicals.

**HOSA**

Students are strongly encouraged to join and be active members of Health Occupation Students of America (HOSA), an international student organization for future healthcare professionals. HOSA provides a unique program of leadership development, motivation, and recognition exclusively for students interested in healthcare careers. Membership for HOSA is \$50 (\$20 dues and \$30 for the regional competition fee). For more information visit: [www.hosa.org](http://www.hosa.org)

**Cell Phones, Headphones, AND Other Electronic Devices**

Personal electronic devices are **NOT** to be used in the classroom or lab, unless explicitly permitted by the teacher. Please note that cellphone usage will result in parent contact and disciplinary action. Classroom Chromebooks are available for student use. Photos/Videos without permission or cheating will result in immediate disciplinary consequences. (See additional cellphone document, **signature required**)



### **Illnesses & Injuries**

Please do not come to school ill. All students who are visibly ill will be sent home. Students who become ill or injured in class **must** inform their instructor immediately. The instructor will then take appropriate action. You **MUST** sign-out at the career tech office when leaving our building.

### **Absences**

All absences must be excused by texting in the class app or emailing the instructor prior to the end of class time. Employability grades will be affected if the instructor is not made aware of the absence. This is unprofessional and it is considered a no call/no show.

### **Hall & Restroom Privileges**

Students will not be allowed in the halls or the restroom without teacher permission and use of a pass. Only two students are allowed out of the room at a time. Students must use the pass to leave the room.

### **MISTAR**

All student grades and data are visible with the MISTAR online application. Parents outside of Wayne-Westland are encouraged to gain access through registering at the Career Tech main office. Parents/guardians must bring a photo ID when registering for MISTAR. Questions, please contact our office staff at 734-419- 2100.

### **Misuse of academic materials**

This includes the theft or destruction of books, equipment, or student belongings. Any of these academic offenses will result in suspension or removal from the program. Any damage or loss of materials are to be paid for by the student.

### **Post-Secondary Articulated Credit**

Students may be eligible to receive free college credit for successful completion of the Health Occupations class. The qualifications and number of college credit hours vary by the post-secondary institution. This course has articulated credit agreements with Baker College, Davenport, Ferris State University, Washtenaw Community College, and Wayne County Community College. Additional agreements may exist upon request with the advisor at the incoming institution.

### **Work-Based Learning**

Work-based learning is a valuable experience in which every student in Career and Technical Education is required to participate. All students will be given opportunities to attend a minimum of one field experience each school year. Those students who do not



attend the scheduled experience(s) will be required to find a site where they will spend a minimum of one class period in a business related to their program of study. The student will be required to get the teacher's signed permission, and the parent/guardian's signed permission, fill out a training agreement to be signed by the site supervisor and provide their own transportation to and from the site. Upon completion of the field experience, the student will turn in a question and answer assignment provided by the teacher regarding the experience.

*It is the policy of the Wayne-Westland Community Schools Board of Education to prohibit any acts of unlawful discrimination in all matters dealing with students, employees or applicants for employment. The Wayne-Westland Schools reaffirms its policy of equal educational and employment opportunities for all persons without regard to race, color, gender, religion, age, height, weight, marital status or disability which is unrelated to an individual's qualifications for employment or promotion, or which is unrelated to an individual's ability to utilize and benefit from the School District's services activities, benefits, privileges or programs. Inquiries concerning the application of Title VI, Title IX, Section 504 and Title II legislation should be directed to the Director of Support Services, Wayne-Westland Community Schools, 36745 Marquette, Westland, MI 48185 (734) 419-2083.*



**By signing below, I agree that:**

I have read the Health Occupation 1 Syllabus in its entirety and agree to abide by the terms and policies outlined in the syllabus. I will take responsibility for my learning and success in this course.

\_\_\_\_\_ Student Name (print)

\_\_\_\_\_ Student name (signature)

\_\_\_\_\_ Parent/guardian name (print)

\_\_\_\_\_ Patient/guardian name (signature)

Date: \_\_\_\_\_

**DISCLAIMER:** Please note that all students in the Health Science Program are exposed to all aspects of the human body. This information may be in the form of videos, models, pictures, speakers, lectures, assignments, or field trips. If you have any concerns regarding this type of content or learning activities please email the instructor. Failure to respond in writing will automatically submit your approval.

**Remove this piece of paper and turn it into the instructor. Keep the rest of the paperwork for your files.**