

Applied Medical Sciences

PROGRAM DESCRIPTION:

The Applied Medical Sciences program is a two-year course for juniors and seniors interested in pursuing a career in health care.

The AMS program provides core skills and knowledge necessary for entry-level employment in the healthcare field. The second year program builds on these skills and develops new ones in the area of emergency medicine and delegation of specific nursing duties.

During the first year, students are introduced to anatomy and physiology, medical vocabulary, and nursing fundamentals. Students earn their Healthcare Provider CPR and First Aid cards through the American Heart Association as well as a Certificate of Completion in Nursing Assistant training. They are eligible to take the Washington State Nursing Assistant Certification examination.

The second year student further develops knowledge of anatomy and physiology with added emphasis on pathology as well as mastering more advanced medical terminology. These students receive training and certification in the Fundamentals of Caregiving and Nurse Delegation if they meet all the requirements. Students who are 18 may choose to apply to the EMT-Basic program which begins in late March and is taught at the Northwest Regional Training Center.

Students completing the first and second year with a grade of “B” or higher, are eligible for credits from Clark College.

The second year course has particular additional requirements: EMT – students must be 18 to take the course and pass the certification examination to receive credit; Nurse Delegation – students must have their NAC and be 18 years of age.

Students enrolled in the Applied Medical Sciences program will learn the following during a two-year program:

- ◆ Safety skills
- ◆ Professionalism
- ◆ Fundamental nursing skills
- ◆ Leadership development
- ◆ Therapeutic communication
- ◆ Human anatomy and physiology
- ◆ Medical terminology
- ◆ AIDS education and infection control practices
- ◆ Trends in healthcare
- ◆ Health and Wellness Practices
- ◆ Post-Secondary Opportunities
- ◆ Career Opportunities and Job Search Skills
- ◆ Portfolio Development
- ◆ Writing Literacy skills

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PROGRAM BENEFITS:

- ◆ 3 High School credits per year
- ◆ Second year AMS students can receive an English credit
- ◆ Certificate of Completion for Nursing Assistant Certified training
- ◆ Leadership opportunities through ASB, class activities and community service projects
- ◆ Entry level job skills
- ◆ Preparation for post-secondary education
- ◆ Opportunities for healthcare scholarships
- ◆ Understanding of the healthcare field that will better assist students in making career choices as well as informing them about their own health and wellness

INDUSTRY CERTIFICATION:

- ◆ Nursing Assistant Certified (NAC)
- ◆ Emergency Medical Technician (EMT)
- ◆ Fundamentals of Caregiving
- ◆ Nurse Delegation

PREREQUISITES:

- ◆ Have an interest in health and wellness
- ◆ Student must participate in the Orientation/Interview at the Skills Center
- ◆ Desire to work and communicate with people
- ◆ Aspire to make a difference in other's lives
- ◆ Completed biology with a "C" or higher
- ◆ Able to pass a Washington State Police background check
- ◆ Application process for second year students requires successful completion of the first year program **and** teacher recommendation.

STUDENT COSTS:

- ◆ First year: approximately \$50 for scrubs, lab coat and name tag
- ◆ Second year: \$50 for polo shirt and sweatshirt; purchase of black pants and shoes by the students on their own (not jeans)
- ◆ Family medical insurance or student accident insurance is required
- ◆ Students must have a tuberculosis skin test annually. EMT students are required to have the Hepatitis B vaccine series for clinical
- ◆ EMT students will pay for state background check – approximately \$10
- ◆ Washington State Police background check approximately \$10

LAB TIME/THEORY TIME:

Approximately 60 percent of time will be devoted to theory and professionalism; 40 percent devoted to lab
First Year – 50 clinical hours in long term care and the hospital setting

HOMEWORK:

3 to 5 hours per week; varies with each unit

TEXTBOOK READING LEVEL:

Theory material 11.0

CAREER OPPORTUNITIES:

- ◆ Nursing Assistant Certified
- ◆ Emergency Medical Technician
- ◆ Respiratory Technician
- ◆ Pharmacy Technician
- ◆ X-ray Technician
- ◆ Athletic Trainer
- ◆ Registered Nurse

