

West Potomac Academy

Clifford S. Hardison Governor's Health Sciences Academy | Communication & The Arts | Human Services

911 DISPATCHER (833726) one credit

Grade Levels - 10, 11, 12

Description: 911 Dispatcher is designed to develop entry-level skills needed in telecommunications for rescue, fire, and police. The course provides the beginning dispatcher with an understanding of situations encountered in an emergency communications environment. Great for students interested in EMT, Criminal Justice, emergency response, as well as communications and social services.

Certifications: International Academies of Emergency Dispatch (IAED): Certified Emergency Telecommunicator Certification

BIOTECHNOLOGY FOUNDATIONS (834460) one credit

Grade Levels - 11, 12

Honors Level Course (.5)

Description: Biotechnology Foundations introduces students to the roles of a biotechnician and the different careers available in the biotechnology field. The course focuses on various techniques that are used to modify living organisms, or parts of organisms, to improve plants and animals, and the development of microorganisms for specific reasons. Students enjoy the practical experience and hands-on activities ranging from bioprocessing and DNA analysis, to medicine, biomechanical systems and the environment.

Certifications: Workplace Readiness

BROADWAY DANCE (932126) one credit

Grade Levels - 9, 10, 11, 12

Description: This introductory course is designed to offer instruction in techniques of Broadway dance. Students will study movement in a variety of styles, including jazz and tap. Students will also increase their knowledge of Broadway's most high-profile choreographers and their famous works. Students will gain the ability to apply dance technique and learn to express musicality in a physical way through class activities and performances.

CRIMINAL JUSTICE 1 (870226) one credit

Grade Levels - 10, 11, 12

CRIMINAL JUSTICE 2 (870327) two credits

Grade Levels - 11, 12

Prerequisite: Criminal Justice 1

Description: Criminal Justice 1 and Criminal Justice 2 prepares students for career opportunities within the criminal justice system. The program is structured to give students a strong academic background with the skills and knowledge necessary to meet the needs of a career in criminal law and investigation, security training, communications, emergency response, crimes, search and seizures, arrests, crime prevention, court procedure and police operations as well as an in-depth study of crime in America, our courts in action and law enforcement efforts to deal with crime.

Certifications: Workplace Readiness

DANCE

Grade Levels - 9, 10, 11, 12

ACADEMY DANCE 1 (833726) one credit

ACADEMY DANCE 2 (931326) one credit

DANCE 3 (931500) one credit

DANCE 4 (931900) one credit

ACADEMY DANCE 3 (931527) two credits

ACADEMY DANCE 4 (931927) two credits

Description: West Potomac Academy Dance develops skills in basic movement fundamentals, placement, alignment, and dance technique for selected forms (modern, jazz, ballet), and provides exposure to other styles such as tap and hip-hop.

Students develop dance vocabulary, study dance history, conduct performance criticism in the classroom, learn improvisational skills, and develop further performance skills.

DENTAL CAREERS 1 (832827) two credits

Grade Levels* - 11, 12

*Preference given to 11th graders

DENTAL CAREERS 2 (832927) two credits

Grade Levels - 12

Prerequisite: Dental Careers 1

Description: Dental Careers 1 and Dental Careers 2 introduce students to careers in the dental health field. Dental Careers 1 focuses on introducing all dental-related careers as well as competencies necessary to manage a dental office. The dental skills are practiced in a classroom dental clinic. Dental Careers 2 offers students the opportunity to refine advanced skills and learn more about dental specialties of oral surgery, orthodontics, and periodontics. Students may be provided the opportunity to experience an internship and earn a DANB Radiation and Safety Certification.

Certifications: Workplace Readiness (Dental Careers 1); Certified Dental Assistant and National Entry Level Dental Assistant: Radiation Health and Safety (RHS)

EMERGENCY MEDICAL TECHNICIAN 1 & EMERGENCY MEDICAL TECHNICIAN 2 (833326 & 833426) two credits

Grade Levels - 11, 12

Prerequisites: Exploring Health Sciences & The Language of Medicine are recommended.

Description: Emergency Medical Technician is a one-year course that prepares the student to enter the workforce or pursue further education in the field of Emergency Medical Services (EMS). The principles and practices of emergency response and firefighting will be explored under direct supervision of a certified EMT instructor. During the course of study, students have the opportunity to earn NREMT and other certifications.

Certifications: Workplace Readiness; CPR/First Aid; Emergency Medical Technician (EMT) Licensure

EXPLORING HEALTH SCIENCES AND THE LANGUAGE OF MEDICINE (regular: 830226 & 838326, dual enrollment: 830226 & 8383DE) two credits

Grade Levels - 10, 11, 12

Description: Exploring Health Sciences introduces students to health care careers and develops basic skills common to all health and medical sciences. The course focuses on exploring health careers, communications skills, safety, first aid, and Healthcare Provider CPR. It is recommended as the first course for other health and medical sciences courses. The Language of Medicine is designed to help students learn medical terminology. It is presented in logical order, beginning with each body system's anatomy and physiology, and progressing through pathology, diagnostic procedures, therapeutic interventions, and pharmacology.

Certifications: Workplace Readiness; CPR/First Aid

HIP HOP DANCE (932326) one credit

Grade Levels - 9, 10, 11, 12

Description: This high-energy introductory course focuses on the foundations and origins of Hip Hop dance culture including street, commercial and freestyle forms. Students will be encouraged to step outside the box by bringing their own individual style and personality to movements. Students will be challenged and encouraged to understand and apply historical and practical knowledge of Hip Hop through class activities and performances.

INTRODUCTION TO NURSING 1 & INTRODUCTION TO NURSING 2 (835526 & 835626) two credits

Grade Levels - 11, 12

Prerequisites: Exploring Health Sciences and The Language of Medicine are recommended.

Description: Introduction to Nursing 1 & Introduction to Nursing 2 is a one-year course that focuses on the nursing skills and career experiences that prepare students in becoming a Certified Nursing Aide. Students study nursing occupations as related to the health care system, and learn basic nursing skills.

Certifications: Workplace Readiness; CPR/First Aid; Virginia Board of Nursing (VBN): National Nurse Aide Assessment Program (NNAP)

LANGUAGE OF MEDICINE (regular: 838325, dual enrollment: 8383DU) one credit

Grade Levels - 10, 11, 12

Description: The Language of Medicine is designed to help students learn medical terminology. It is presented in logical order, beginning with each body system's anatomy and physiology, and progressing through pathology, diagnostic procedures, therapeutic interventions, and pharmacology. It is a recommended prerequisite for other health and medical sciences courses.

Certifications: Workplace Readiness

MEDICAL ASSISTANT 1 & MEDICAL ASSISTANT 2 (834526) two credits

Grade Levels - 11, 12

Prerequisites: Exploring Health Sciences and The Language of Medicine are recommended.

Descriptions: Medical Assistant 1 and Medical Assistant 2 is a one-year program that allows students to develop entry-level skills and techniques to increase their knowledge base so that they may enter the healthcare field. Students will learn management of patient records, cardiopulmonary resuscitation, care and use of equipment, collection and analysis of laboratory specimens, special diagnostic testing, basic disorders and diseases, basic knowledge of treatment and medication, and job preparedness skills. Successful completion may lead to employment in physician's offices or clinics.

Certifications: Workplace Readiness; CPR/First Aid; National Healthcareer Association (NHA): Certified Clinical Medical Assistant (CCMA)

MUSIC AND COMPUTER TECHNOLOGY 1 (922527) two credits

Grade Levels - 11, 12

Prerequisites: Music Theory or music theory background

MUSIC AND COMPUTER TECHNOLOGY 2 (922627) two credits

Prerequisites: Music and Computer Technology 1

Descriptions: Students will explore the use of computers and other electronic technologies in music including: Musical Instrumental Digital Interface (MIDI), analog and digital synthesis, sequencing, acoustics, sound processing, and electronic musical composition using the latest music industry software and the internet. Curriculum includes the use of industry standard music notation software, Sibelius and sequencing and digital audio recording/editing software, Pro Tools.

PHARMACY TECHNICIAN 1 (830527) one credit

Grade Levels - 11, 12

PHARMACY TECHNICIAN 2 (830627) two credits

Grade Levels - 12

Prerequisites: Pharmacy Technician 1

Description: The Pharmacy Technician program incorporates both classroom and clinical lab pharmacy experiences. Students have the opportunity to meet the state pharmacy technician competencies as well as be exposed to other pharmacy careers. Students may be eligible to participate in clinical experiences and may be eligible to sit for the Exam of Certification of Pharmacy Technicians at completion of Pharmacy Technician 2.

Certifications: National Healthcareer Association (NHA): Certified Pharmacy Technician (CPhT)

PHYSICAL THERAPY/OCCUPATIONAL THERAPY 1 DUAL ENROLLMENT (8365DE) two credits

Grade Levels - 11, 12

Prerequisites: Biology; Exploring Health Sciences and The Language of Medicine are recommended.

PT/OT 1 is a dual enrollment. All students must complete the dual enrollment processes and be eligible to enroll.

PHYSICAL THERAPY/OCCUPATIONAL THERAPY 2 (836627) two credits

Grade Levels - 12

Prerequisites: PT/OT 1 DE

Description: PT/OT 1 DE introduces students to the professions of physical and occupational therapy. Students explore the principles and practices of therapists and may participate in clinical experiences. Clinical skills in the areas of physical therapy and occupational therapy enable students to gain experience in rehabilitative care. PT/OT 2 provides a more in-depth study of topics covered in PT/OT 1 DE with emphasis upon individual interests and strengths. The focus of

course work is on the advancement of problem-solving skills, hands-on techniques, and interpersonal skills within an introduction to clinical research. This course is most appropriate for students anticipating employment or further studies in physical therapy or occupational therapy.

TV & MEDIA PRODUCTION 1 (868826) one credit

Grade Levels - 10, 11, 12

TV & MEDIA PRODUCTION 2 (868927) two credits

Grade Levels - 11, 12

Prerequisite: TV & Media Production 1

TV & MEDIA PRODUCTION 3 (869027) two credits

Grade Levels - 12

Prerequisites: TV & Media Production 1 & 2

Description: Film, video, multi-media terminology, technique, and theory are instructional areas in this program. Students learn to operate state-of-the-art video equipment, video cameras and field equipment for productions outside the classroom, and professional studio cameras, audio equipment, special effect generators, and character generators for use in the fully outfitted studio. In advanced level classes, students demonstrate mastery of media production knowledge and skills, and function as media producers by creating original productions. Students assemble a professional digital portfolio to advance postsecondary and career goals.

SOCIAL MEDIA MARKETING (812526) one credit

Grade Levels - 10, 11, 12

Description: Students receive an introduction to marketing functions and study the Internet and Social Media marketing's role in the global economy. Students gain knowledge of the tools and techniques used in Internet and Social Media marketing. They explore ethical, legal, and security aspects and prepare for a career in Internet and/or Social Media marketing. Academic skills (mathematics, science, English, and history/social science) related to the content are part of this course. Computer/technology applications supporting this course are studied. Classroom instruction will be reinforced through the use of outside lectures, case studies, and work-based learning experiences. DECA, the co-curricular student organization, offers opportunities in leadership, community, and competitive events. Internship opportunities are available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.