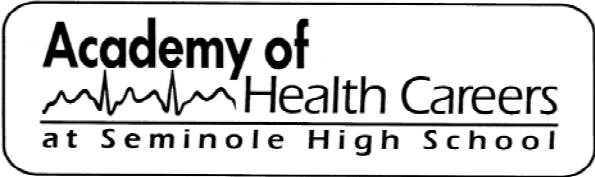


Health Academy

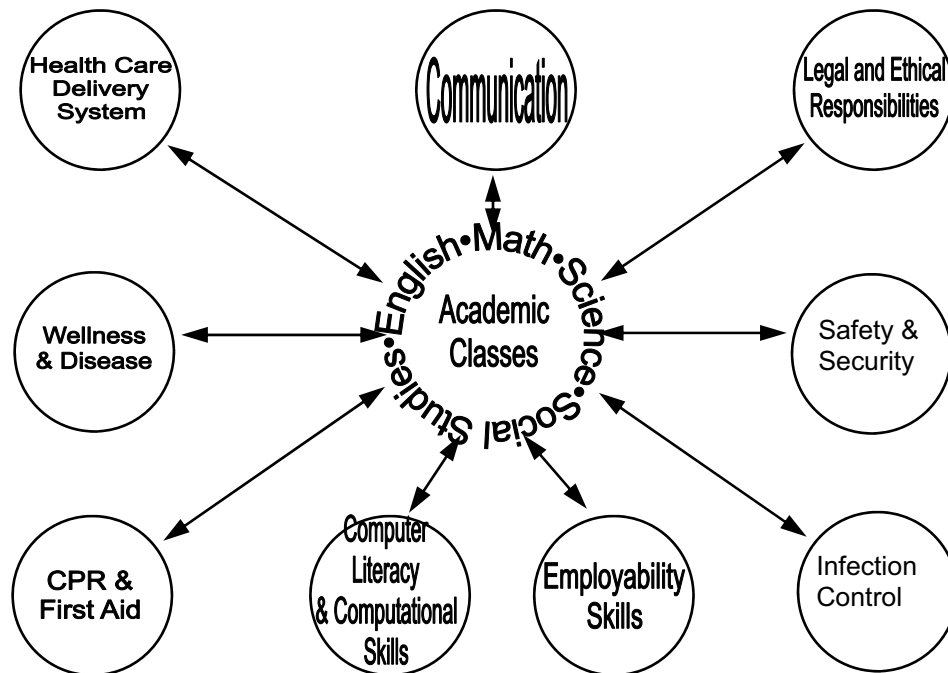


Seminole County Public Schools established the Academy of Health Careers at Seminole High in the fall of 1993. Although the Academy is located at Seminole High School, it is a district-wide program available to all Seminole County students, regardless of their attendance zone.

The Academy of Health Careers offers a comprehensive preparation and uniquely relevant curriculum for students who plan to pursue a career as a health care professional. The academic courses are combined with the opportunity to gain the initial “building blocks” of health care through Health Science education. Approximately 99% of Academy graduates go on to post-secondary education. The Academy of Health Careers has been recognized by the Department of Education as one of the Best Practice Academies in the State of Florida.

The Academy of Health Career’s success is achieved through a strong partnership with more than fifty business partners from the health care industry, the community and post-secondary schools.

The U. S. Bureau of Labor has identified eight of today’s ten fastest growing careers as being in the field of health care. The health care industry is presently suffering from a shortage of qualified professionals. This translates into an opportunity for rewarding and secure employment for students who are interested in health care. Some of those career opportunities are physical therapy, respiratory therapy, emergency medicine, nursing, medicine, radiology, medical office systems management, medical records, health care support, and veterinary medicine.



GOLD SEAL VOCATIONAL SCHOLARSHIPS
Students taking Health Science I, II, and an occupational exit course may qualify for the State of Florida Gold Seal Vocational Scholarship.

Health Academy

WHERE TO GO FOR INFORMATION

Mr. Mike Gaudreau Principal	320-5100
Mrs. Nancy Julian Assistant Principal/Director	320-5063
Mr. Kenneth Brauman Director of Counseling and Development	320- 5115
Ms. Cathy Cunningham Administrative Assistant /Registrar	320- 5113
Ms. Shenique Gilbert Academy Guidance Counselor (9)	320-5123
Mr. Eugene Williams Academy Guidance Counselor (10-12)	320-5064
Julie Miller Academy Secretary	320-5062

QUESTIONS AND ANSWERS

Q: WHAT IS THE ACADEMY OF HEALTH CAREERS?

A: The Academy of Health Careers is the Seminole County Public School's magnet program located at Seminole High School, which is designed to prepare students in grades 9-12 for careers in health care.

Q: IS THE ACADEMY RIGHT FOR ME?

A: If you are currently an 8th grade student with an interest in a health profession, you can benefit from the Academy's specialized course of study.

Q: WHO IS ELIGIBLE TO ATTEND THE ACADEMY OF HEALTH CAREERS AT SEMINOLE HIGH SCHOOL?

A: Students who have successfully completed the eighth grade and reside in Seminole County.

Q: WHAT IS THE DEADLINE FOR APPLICATIONS TO THE ACADEMY?

A: December 1, 2008 is the deadline for applications for admission to the Academy.

Q: WILL THE ACADEMY PREPARE A STUDENT FOR ADMISSION TO A COMMUNITY COLLEGE OR UNIVERSITY?

A: Definitely. The Academy will offer a full college preparatory curriculum which will prepare a successful graduate for college.

Q: WHY SHOULD I GO TO THE ACADEMY RATHER THAN MY ASSIGNED SCHOOL?

A: By providing a course of study focused on your career interest in health care, the Academy will give you a head start. As a result of hands-on clinical training, you may graduate with marketable skills and experience. Also, you will have had the opportunity to earn college credit in advance.

Q: WHAT'S SO SPECIAL ABOUT THE ACADEMY?

A: The Academy of Health Careers possesses many unique features:

- Hands-on learning experiences that enable students to preview their chosen career.
- Job shadow opportunities
- Clinical experiences in area hospitals, clinics, long-term facilities, emergency medicine sites, medical and veterinarian offices, and community college and university laboratory settings that will allow practice of skills 7 period day
- Core academics linked to health care issues to reinforce each student's interest and learning
- Advanced placement courses at Seminole High School and dual enrollment with community college and university
- Florida Bright Future Scholarships
- State-of-the-art technology/laboratories
- School-to-work opportunities
- Volunteer opportunities

Q: IS THE ACADEMY ONLY FOR THE ACADEMICALLY TALENTED?

A: Students of all levels of academic achievement may be accepted; from the academically talented student interested in a post-graduate medical degree, to the average student interested. The Academy's curriculum allows each student to design his or her program to meet specific educational and career goals.

Q: WILL I BE ABLE TO PARTICIPATE IN EXTRACURRICULAR ACTIVITIES?

A: Yes! The Academy is located on the campus of Seminole High School, which offers a standard county sports schedule and numerous clubs.

Q: WILL I RECEIVE A "REGULAR" HIGH SCHOOL DIPLOMA?

A: An Academy diploma is the same diploma you would receive from any Seminole County high school with an AHC graduate designation.

Q: HOW WILL I GET TO THE ACADEMY?

A: Bus transportation will be provided at no charge by the Seminole County School District.

Q: ONCE I CHANGE SCHOOLS, WHAT IF THE ACADEMY IS NOT RIGHT FOR ME?

A: After individual counseling, your request will be considered. However, remember, this is a serious commitment; we encourage you to make an informed decision to participate in the Academy.

B:

ADMISSION PROCESS

The Academy will foster an open-entry concept which will ensure equal accessibility to all students in the district. Incoming 9th grade students in Seminole County who are interested in pursuing careers in health care will be eligible for admission.

To be eligible for consideration to be admitted to the Academy of Health Science, a student must be completing the 8th grade (or have successfully completed the 8th grade) and be eligible to enter the 9th grade. Students must also reside in Seminole County.

Students must submit an application by December 1, 2008.

Application packets will be distributed to every eighth grade student in the county at each Seminole County middle school in the fall of 2008. Thereafter, application materials may be obtained from the Academy office, guidance departments in each of the district's middle schools and the Choices Department at the Seminole County Educational Support Center.

ACADEMIC STANDARDS

Students must maintain a minimum of 2.5 grade point average and earn no semester grade below a C.

FLORIDA GOLD SEAL VOCATIONAL SCHOLARSHIPS

Students taking Health Science I, II, and an occupational exit course may qualify for the State of Florida Gold Seal Scholarship.

Please refer to the Scholarship section of the curriculum guide for other scholarship listings.

Health Academy

WHAT IS THE DIFFERENCE IN CURRICULUM FOR ACADEMY STUDENTS?

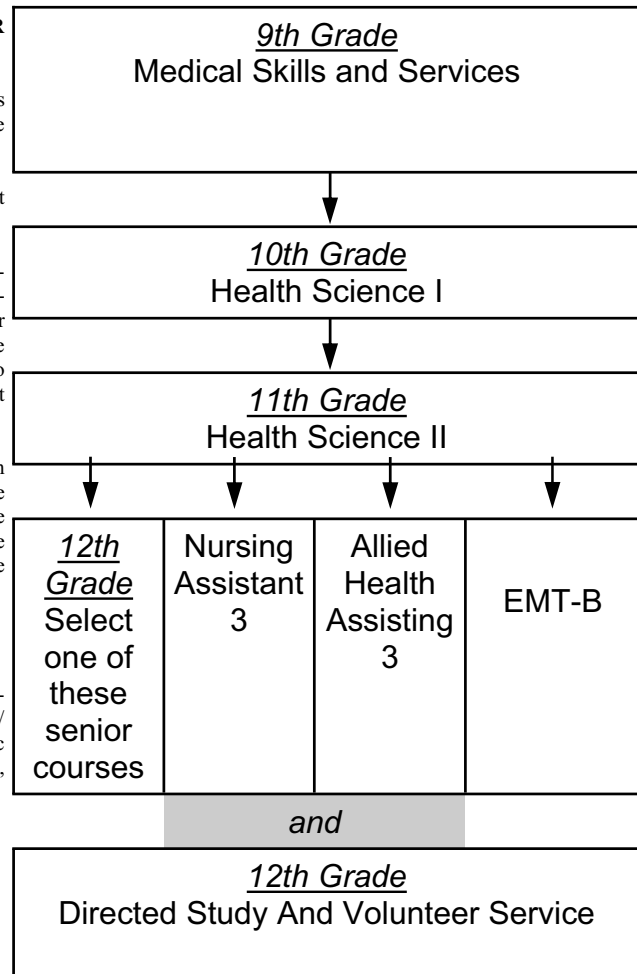
The Academy offers a focused relevant curriculum for students interested in pursuing a career in health care. Some of the unique differences include:

- * A curriculum that integrates health care topics, issues, and content in academic courses.
- * Health Science courses taught freshman through senior years.
- * Combined academic courses that eliminate the compartmentalization of subjects and help students make connections between subject areas and what they are learning and real life. Combining or integrating of courses gives students the opportunity to pursue topics in greater depth and to see the relationship of one subject to another. Students earn credit for two subjects in the same amount of time normally earned in one course.

The goal of the Academy is to combine the teaching of theory with application so that today's students are better prepared to meet the challenges of the future. With the 1993-94 school year, Seminole High School embarked upon an education reform which we believe will set a standard for statewide instruction for students of the Academy of Health Careers.

GENERAL INFORMATION

Please refer to the main body of the curriculum guide for a description of courses for Academy students in addition to combined/integrated courses and Health Science courses. Core academic courses in grades 9 & 10 are integrated with health care topics, issues and content.



INTEGRATED COURSE OPPORTUNITIES SENIOR YEAR DIRECTED STUDY/ VOLUNTEER PUBLIC SERVICE COMBINATION COURSE

Credit: 1.5 (1 earned in Directed study, ½ in Voluntary Public Service = 1.5 earned in one period)

This course integrates Directed Study and Volunteer Public Service. State performance standards for both courses will be covered. Please refer to miscellaneous section of curriculum guide for description of Volunteer Public Service. Students must meet attendance requirements to receive credit for volunteer service (25 hours).

Course Number	Course Title
8400320	Medical Skills and Services
8417100	Health Science I
8417110	Health Science II

The Health Science Program prepares students for entry into any health occupation by providing them with a course in anatomy and physiology plus a core of basic information common to all health care service areas. Persons completing these two courses have the option of entering a variety of occupational courses and with the completion of more than one of the options, may be hired as cross-trained or multi-skilled workers. The core must be taken by all students planning to enroll in a Health Science Program. Secondary students completing the two required courses will not have to repeat the core in post-secondary. The content of the two required courses and nursing assistant, allied health, and directed study includes, but is not limited to, communication skills; legal and ethical practice; leadership and employability skills; safe and efficient work practices; and integration of scientific principles based on anatomy and physiology, medical terminology, disease control, conditions of illness and common therapy, and representative skills performed by major health care workers. Reinforcement of basic skills in English, mathematics, and science appropriate for the job preparatory programs occurs through classroom instruction and applied laboratory procedures or practice. Instructional strategies for this program include methods that require students to identify, organize, and use resources appropriately; to work with each other cooperatively and productively; to acquire and use information; to understand social, organizational, and technological systems; and to work with a variety of tools and equipment. Instructional strategies also incorporate methods to improve student's personal qualities and higher-order thinking skills.

MEDICAL SKILLS AND SERVICES 8400320

1 Credit **9**

This course will provide students with practical generic competencies related to health decisions all individuals will make during their lifetime. The content includes communication, adaptations of health principles to home, identifications of rights and responsibilities of individuals in health and disease, safety in carrying out medical instructions, identification of important wellness principles, control of hazards in the home, community health services provided, legal aspects for the health consumer, history of health care, and the role of the computer in the health care industry. Students will be introduced to the variety of Health Science through speakers and discussions. Reinforcement of basic skills in English, mathematics and science appropriate for the job preparatory programs occurs through vocational classroom instruction and applied laboratory procedures or practice. Instructional strategies for this program include methods that require students to identify, organize, and use resources appropriately; to work with each other cooperatively and productively; to acquire and use information; to understand social, organizational, and technological systems; and to work with a variety of tools and equipment. Instructional strategies also incorporate methods to improve student's personal qualities and higher-order thinking skills. This is a required course in the freshman year for Academy students.

HEALTH SCIENCE I (STRUCTURE AND FUNCTION) 8417100

1 Credit **10**

This course will familiarize the student with the structure and function of the human body. It is a required course for the Health Science program. It consists of, but is not limited to, body organization, chemical processes, terminology, transmission of disease, and the various body systems in relation to health and disease. It is designed to give any student interested in a career in the Health Occupations area a basic anatomical foundation to build on as they progress toward their career goal. One science credit in anatomy and physiology will be given a student completing any occupational exit in this program. This course is a prerequisite to the Health Science Core and the other options in this program.

HEALTH SCIENCE II (HEALTH SCIENCE CORE) 8417110

1 Credit **11**

This course will provide a core of basic knowledge necessary for any health occupations career. Students who have previously completed the Health Science Core do not have to repeat the intended outcomes in post secondary.

HEALTH SCIENCE Occupational Exit Courses

Course Number	Title
8417211	Nursing Assistant 3
8417131	Allied Health Assisting 3
EMS-1119	Emergency Medical Services
EMS-1119L	Emergency Medical Services Lab
8400100	Directed Study

*Student will select one of the occupational exit courses listed above. The course selected will be scheduled with Directed Study in the senior year.

NURSING ASSISTANT 3 8417211

1 Credit **12**

The three courses in this program are:
8417100 Health Science I (one credit)
8417110 Health Science II (one credit)
8417211 Nursing Assistant 3 (one credit)

This course is designed to prepare students for employment as nursing assistants (66008445), (355.674-014), nurses aids, in nursing homes, hospitals, or other health care facilities. Successful completion of the course from an approved school prepares the student for certification for employment as a Nursing Assistant in a nursing home, in accordance with Chapter 821-163, Florida statutes. Those students who satisfactorily complete an approved course are eligible to take the nursing assistant state examination, in accordance with Chapter 82-163, Florida statutes. The core of basic knowledge consists of two courses. Students must complete the core courses before enrolling in a course leading to an occupational completion point. Students completing the Health Science Core will not be required to repeat the core in secondary or post secondary. To achieve an occupational completion point the student must complete at least one program in this cluster.

ALLIED HEALTH ASSISTING 3 8417131

1 Credit **12**

The three courses in this program are:
8417100 Health Science I (one credit)
8417110 Health Science II (one credit)
8417131 Allied Health Assisting 3 (one credit)

The purpose of this program is to prepare a student for employment as an allied health aide, medical assistant (66005437) medical laboratory assistant (078.381-010), occupational therapy aide (335.377-010), physical therapy aide (355.354-010), respiratory therapy aide or radiological aide. Students will perform skills representative of at least, but not limited to, three areas of allied health care in the laboratory and clinical settings. Major areas of allied health are defined as physical therapy, emergency, radiation, laboratory and respiratory medicine, and occupational therapy. Other areas of health, medicine, dentistry, or veterinary may be included, with instructor provided competencies. Clinical experience is defined as activities performed in the clinical setting under the supervision of a health professional duly certified/licensed in the selected occupational fields. The core of basic knowledge consists of two courses. Students must complete the core courses before enrolling in a course leading to an occupational completion point. Students completing the Health Science Core will not be required to repeat the core in secondary of post-secondary. To achieve an occupational completion point the student must complete at least one program in this cluster. The two core courses in the core are:

8717100 Health Science I (one credit)
8417110 Health Science II (one credit)

This program meets the Department of Health and Rehabilitative Services (HRS) HIV/AIDS education requirement as specified in Section 381.0034, Florida Statutes and the Department of Business and Professional Regulation (DBPR) HIV/AIDS education requirements as specified in Section 455.2226, Florida Statutes. Upon completion of this program, the instructor will provide a certificate to the student verifying that the HIV/AIDS requirements have met.

Health Academy

DIRECTED STUDY
8400100

1 Credit **12**
Note: This course number will depend on the occupational exit course with which it is scheduled (Nursing Assistant and Allied Health Assisting.)

This course provides student with additional competencies or more extensive occupational experiences in a Health Science program that will enhance opportunities for employment in the occupation chosen by the student. Content is prescribed by the instructor based upon the individual student's need for directed study. Research, job shadowing and mentoring may be considered appropriate activities if related to framework outcomes in the job preparatory program. This course will be scheduled concurrently with Nursing Assistant, Allied Health Assisting in the senior year.

Emergency Medical Technician Basic (EMT-B) Certificate

This is a two semester (12 credit hours) program of classroom lecture, practical skill laboratory and actual patient clinical experience designed to prepare an individual for employment as an Emergency Medical Technician - Basic (EMT-B). The classroom part of the curriculum encompasses the US Department of Transportation's National Standard Curriculum for the EMT-B. The practical skill laboratory (4 credit hours) includes application practice and performance evaluation in simulated patient care situations. The clinical application (4 credit hours) provides patient care opportunities with pre-hospital emergency care providers and in-hospital settings. All three courses must be completed simultaneously. This is a limited access program. Candidates must: (a) Complete dual enrollment application for Seminole Community College; (b) submit the completed Fire Science/EMS Program Application Form; (c) submit proof of age (18 years of age minimum); (d) attend a mandatory department orientation; (e) complete a NCIC background check; and (f) take the College Placement Test (CPT)

Major Courses

EMS 1119 Emergency Medical Technician
12th Grade
EMS 1119L EMT Laboratory
12th Grade

Please note that the EMS 1119 & 1119L courses will be completed during 1st and 2nd semester of the senior year.

EMS 1431 EMT Clinical will be completed post graduation.

Health Science Careers Continuum

The Health Science Careers Continuum tables list a few of the hundreds of possibilities for health careers. It also shows that a student who graduates from the Academy of Health Careers will be successfully prepared to go on to post-secondary education or immediately enter the world of work.

Postgraduate Professional Preparation Professional Level Careers	
Cardiopulmonary Sciences	Nursing
Communicative Disorders	Occupational Therapy
Dentistry	Office Systems Mgt.
Hospital Administration	Pharmacy
Medical Examiner	Physical Therapy
Medical Lab Sciences	Public Health
Medical Records	Radiology
Medicine	Social Work
Mental Health	Veterinary Medicine

AS or AA Degree Technical Level Employment	
Associate Degree Nursing	Optometric Technician
Dental Hygienist	Paramedic
Lab Technician	Physical Therapy Assistant
Medical Assisting	Radiology Technician
Medical Records	Respiratory Therapist
Occupational Health Safety and Environmental Technology	Sport and Space Medicine

High School Diploma or Certification Technician Level Employment	
Certified Respiratory Therapy Technician	Medical Laboratory
Dental Assistant	Medical Record Transcriptionist
E.M.T.	Optometric Assistant
Medical Coder Specialist	Practical Nursing: 1/3 Completed Prior to Graduation

Entry Level Employment	
Certified Nursing Assistant	Laboratory Assistant
Dietary	Pharmacy Assistant
Environmental Services	Physical Therapy Aide
Health Record Clerk	Receptionist
Home Health Aide	Veterinary Assistant
Housekeeping	Other Entry Level positions

Health Academy



School Year 2009-2010

Every student in the Academy of Health Careers has an Individual Academic Plan (IAP) which allows the student to meet state and county high school graduation requirements, plan for post secondary education and future career options. Students are required to follow prescribed Academy curriculum listed below. Please refer to required Academy curriculum at bottom of page when selecting courses for each school year. A guidance conference will be held with all students to select those courses which best support the student's goal.

Select one from each box.

9th English I-H English I	Algebra I-H Algebra I Geometry-H Geometry Algebra II,H	Biology-H Biology Chemistry H	World History-H World History AP Human Geography**	I--Medical Skills	Foreign Language I or II or Elective	Elective: Personal Fitness/ P.E.
10th English II-H English II AP English Language	Geometry-H Geometry Algebra II-H Algebra II Pre Calculus	Chemistry I-H Chemistry Physics H AP Env. Sci- ence AP Biology AP Chemistry	American History-H American History AP American History AP Human Geography**	Health Science I	Foreign Language I, II or III or Elective	Elective
11th English III-H English III AP English Language AP English Literature	Algebra II-H Algebra II Pre-Calculus AP Stat Stat & Prob AP Calc	Chemistry Chemistry H Physics-H Physics AP Chemistry AP Biology AP Env. Sci	AP Economics Macro Economics, H Economics AP American Gov. American Gov. , H American Gov. AP Euro History AP Psychology	Health Science II	Foreign Language I, II, III, IV or AP Spanish AP French	Elective AP Art History AP Art/Drawing
12th English IV-H English IV AP English Literature	Pre-Calculus AP Statis- tics Stat & Prob Math Analy- sis AP Calculus	Physics-H Physics Anat. & Physi- ology-H Anatomy & Physiology AP Physics AP Biology AP Chemistry AP Env. Sc	Psychology AP Psychology AP Economics Macro AP American Gov. AP European His Sociology	*Nursing Assis- tant or *Allied Health Assisting or EMT Directed Study & Volunteer Service	Foreign Language II, III, IV or AP or Elective AP Spanish AP French	Elective AP Art History AP Art/Drawing

Dual Enrollment Courses

Nursing & Respiratory Therapy
 Prerequisites

Electives

Care and Prev. of Athletic Injuries
 Geography
 Humanities I and II
 Band
 Dance
 Chorus
 Speech
 Art
 Acting
 Drama
 Debate
 Research III
 Aerospace Science--ROTC
 Child Development
 Photography
 Latin
 French I, II, III, IV, AP

Reading

Spanish I, II, III, IV, AP
 German I, II, III, IV

Sign Language I, II, III, IV

*See curriculum guide for other

options

Student may also select other electives
 as desired.

AP = Advanced Placement

H = Honors class

I = Integrated class (covers
 material and earns credit for
 both classes in one period)

*Requires one period

Directed Study

*To qualify for Bright Futures

Scholarships, students should select 19 core
 academics.

***CURRICULUM SEQUENCE SUBJECT TO CHANGE
 WITH MAGNET REVIEW**

Required Academy Curriculum Beginning with the 2009 Freshmen

- 4 English
- 4 Math
- 4 Science
- 3 Social Studies
- 4 Foreign Language
 (same language) or 2 AP
 courses for 3rd and 4th
 year foreign languages
- 1 Physical Education
- 1 Fine Arts
- 5 Health Science
- 2 Electives

**** Highly recommended for university
 bound students**