

Academy of Biomedical Careers (ABC)

The mission of the Biomedical Academy is to familiarize students with various health care professions. Technology will be a primary focus of this academy. Students will receive comprehensive instruction to prepare them for entry-level health careers as well as college admission.

Health care professionals are immune to the economic fluctuations of our society. The various health careers are fascinating, financially rewarding, and very challenging. In nursing and pharmacy, entry-level salaries are high. The state of Florida is becoming a hub for biomedical technology. These conditions ensure steady employment for our students. Due to medical advances, people now live longer. The need for health care industry employees will continue to increase. We are entering an era of critical shortage for health care professionals due to the advancements in medical research and the ever-increasing life span of our population.

The Biomedical Academy contains a curriculum that spans ninth through twelfth grade including opportunities for internships that will enhance our students' skills. We are partnering with various local post-secondary learning facilities to provide further opportunities for our students. The program will be tightly aligned with relevant academic, employment, and workplace standards. Students will be expected to complete rigorous, challenging academic course work that will prepare them for successful post-secondary experiences.

Academy features:

- Scholarship opportunities for post-secondary study
- Four-year sequence of biomedical technology courses
- State-of-the-art computer technology labs
- Highly trained, industry-certified teaching staff
- Specialized training at various local healthcare facilities
- Preparation for state certification in the nursing field
- Summer internship experiences
- An industry-based advisory board to provide support
- Enhanced opportunities for employment after graduation
- Coordination with post-secondary institution/universities for Dual Enrollment credit



ABC Curriculum

Sample four year programs for each strand are shown below:

	English	Mathematics	Science	Social Studies	Academy Requirements	Elective
9th Nursing	English I	Algebra I	Earth & Space	World History	Patriot Tools for Success Medical Skills	Electives Foreign Language
10th Nursing	English II	Geometry	Biology	No Social Studies Personal Fitness Elective	BioTech Information Technology (computers) Anatomy/Health Science 1	Electives Foreign Language
11th Nursing	English III	Algebra II	Physical Science or Chemistry	American History	Health Science 2 Nursing Assisting Honors 3	Electives Foreign Language
12th Nursing	English IV	Pre-Calculus Calculus Statistics	Physical Science Chemistry Physics	Government/ Economics	Electrocardiograph Aide3/ Home Health Aide 3/Health	Electives Foreign Language
11th Pharmacy	English III	Algebra II	Physical Science or Chemistry	American History	Health Science 2 Allied Health Community Pharmacy Aide 1	Electives Foreign Language

	English	Mathematics	Science	Social Studies	Academy Requirements	Elective
12th Pharmacy	English IV	Pre-Calculus Calculus Statistics	Physical Science Chemistry Physics	Government/ Economics	Pharmacy Aide 2 Honors Independent Study/Internship	Electives Foreign Language
11th First Responder 1	English III	Algebra II	Physical Science or Chemistry	American History	Health Science 2 First Responder 1	Electives Foreign Language
12th First Responder 2	English IV	Pre-Calculus Calculus Statistics	Physical Science Chemistry Physics	Government/ Economics	First Responder 2 Honors Independent Study/Internship	Electives Foreign Language

*All classes are regular, Honors, Pre-AICE, AICE or Advanced Placement

The list that follows includes mandatory requirements for the academy. There are three strands for this academy. Eleventh grade students must enroll in Health Science 2 along with the required nursing, pharmacy, or first responder courses.

L04 and L06 must be taken concurrently in the nursing strand.

L14 and L09 must be taken concurrently in the pharmacy strand.

L24 and L11 must be taken concurrently in the in the first responder strand.

SEQ	FL CODE	COURSE TITLE	GRADE	TCHR REC	NOTES
L01	840032001	Medical Skills & Services	9		Introductory course
L02	200035001	Health Science 1	10		
L03	200036001	HOSA Anat. & Physiology Honors (Health Science 1 Honors)	10-12	Y	Taught by the Science Dept., honors credit, Barry University credit available
L04	841711002	Health Science 2 Nursing	11	Y	Must be taken with L06
L05	820731001	BioTech Info Tech (Computers)	9-10		Required; \$7.00 Fee
L06	841721102	Nursing Assisting Honors 3	11	Y	Pre-req: L03; honors credit or L04
L07	841716102/ 841719101	Electrocardiograph Aide 3/ Home Health Aide 3	11	Y	
L09	841713101	Allied Health Pharmacy Aide 1	11-12	Y	
L14	841711002	Health Science 2 Pharmacy	12	Y	Must have taken L09 or be concurrently enrolled
L10	841713102	Allied Health Pharmacy Aide 2 Independent Study Honors	12	Y	Local honors credit
L11	841717001	First Responder 1	11-12	Y	Must have taken L04 or be concurrently enrolled
L24	841711002	Health Science 2 First Responder	12	Y	Must have taken L11 or be concurrently enrolled