



## *Health Care Academy- Overview*

The Lancaster Health Care Academy is designed for students who are interested in exploring health-related careers. During the three year curriculum, classes will visit health care facilities, host various health professionals, and discuss current trends in health care. It is the perfect opportunity to get a head start in the competitive and rewarding health care field.

Students in the academy complete a series of 3 courses - Introduction to Health Careers, Anatomy & Physiology I and Anatomy & Physiology II with lab.

In addition to course work, students are required to attend monthly academy meetings and complete 20 service hours. These service hours can be completed at healthcare facilities, volunteering for healthcare related events (such as Relay for Life or a benefit event), or for helping with academy activities. Students may also complete internships in healthcare fields.

Many of the HCA Alumni are currently enrolled in pre-medical programs and other healthcare majors such as Occupational Therapy, Physician Assistant, PT and nursing. Most students are accepted to their first choice school and program.

The following courses are designed for those students who wish to pursue a career in the health care profession. These courses would offer college credit at Bryant and Stratton, Erie Community College, Trocaire College and Villa Maria College. Upon successful completion as described in each college's articulation agreement, students would be eligible to receive three to 12 college credits after one semester at the participating college.





## *Health Care Academy Course Descriptions*

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### HCA: Introduction to Health Careers

*4574 Grade 10*

*1 credit*

- ⊗ Prerequisite: Regents exam credit for Physical Setting
- ⊗ Prerequisite: Acceptance to Health Care Academy

This course is designed to be the entry course for the Health Care Academy. Students wishing to be enrolled in the Academy must take this course. The course will explore the opportunities that are available in the healthcare field. Careers which work to support the doctor, the patient and the healthcare facility will be discussed. Practicing healthcare professionals will discuss their fields and share their experiences with the class. The course will meet for one period every day. The final assessment for this course is written by the instructor.

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### HCA: Anatomy and Physiology I

*4110 Grade 11*

*1 credit – Life Science*

- ⊗ Prerequisite: Regents credit for Living Environment
- ⊗ Prerequisite: Course credit for HCA Introduction to Health Careers
- ⊗ Prerequisite: Acceptance to Health Care Academy

This course will introduce students to the basic principles related to the structure and function of the human body. Anatomical terminology, cell structure, basic biochemistry, histology and all levels of structural organization of the integumentary and skeletal systems will be emphasized. Common pathology of each system will also be discussed. Medical terminology and ethical issues relating to each studied system will be covered within each unit of study. This course meets for a single class period each day. Final assessment is created by the instructor. Life Science credit.

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### HCA: Anatomy and Physiology II

*4111 Grade 12*

*1 credit – Life Science*

- ⊗ Prerequisite: Regents credit for Living Environment
- ⊗ Prerequisite: Regents credit for Chemistry
- ⊗ Prerequisite: Course credit for HCA Introduction to Health Careers
- ⊗ Prerequisite: Course credit for HCA Anatomy and Physiology I
- ⊗ Prerequisite: Acceptance to Health Care Academy

This course is a continuation of HCA Anatomy and Physiology I. All levels of structural organization of the Nervous, Endocrine, Cardiovascular, Digestive, and Urinary systems will be emphasized. Common pathology of each system will also be discussed. Medical terminology and ethical issues relating to each studied system will be covered within each unit of study. This course has five class periods and two double lab periods every six days. The final assessment for this course includes material covered in both HCA Anatomy and Physiology I & II and is created by the instructor.