

PRE-HEALTH - UNDERGRADUATE CERTIFICATE

College of Arts and Sciences
<https://www.kent.edu/cas>

About This Program

The Pre-Health undergraduate certificate prepares students who previously graduated from college with a non-health-related degree for careers in health care. The program structure is flexible in order to provide courses necessary for admission to a variety of professional schools including medical, dental, pharmacy, physician assistant and veterinary.

Contact Information

- Program Coordinator: **Erin Lawson** | elawson1@kent.edu | 330-672-2062
- Speak with an Advisor
- Chat with an Admissions Counselor

Program Delivery

- **Delivery:**
 - In person
- **Location:**
 - Kent Campus

Admission Requirements

Admission to this certificate is selective. Applicants must meet the following criteria:

- Bachelor's degree from an accredited college or university
- Minimum 3.000 undergraduate GPA on a 4.000-point scale
- Demonstrated proficiency through the equivalent of college algebra or higher

International Students: All international students must provide proof of English language proficiency unless they meet specific exceptions. For more information, visit the admissions website for international students.

Program Requirements

Certificate Requirements

Code	Title	Credit Hours
Certificate Requirements		
BSCI 10120	BIOLOGICAL FOUNDATIONS (ELR) (KBS) (KLAB)	4
CHEM 10060	GENERAL CHEMISTRY I (KBS)	4
CHEM 10061	GENERAL CHEMISTRY II (KBS)	4
CHEM 10062	GENERAL CHEMISTRY I LABORATORY (KBS) (KLAB)	1
CHEM 10063	GENERAL CHEMISTRY II LABORATORY (KBS) (KLAB)	1
CHEM 30475	ORGANIC CHEMISTRY LABORATORY I (ELR)	1
CHEM 30481	ORGANIC CHEMISTRY I	3

Certificate Electives, choose from the following: 30-40

BSCI 10110	BIOLOGICAL DIVERSITY (ELR) (KBS) (KLAB)
BSCI 21010	ANATOMY AND PHYSIOLOGY I (KBS) (KLAB)
BSCI 21020	ANATOMY AND PHYSIOLOGY II
BSCI 30130	HUMAN PHYSIOLOGY
BSCI 30140	CELL BIOLOGY
BSCI 30156	ELEMENTS OF GENETICS
BSCI 30171	GENERAL MICROBIOLOGY
BSCI 30517	HUMAN ANATOMY
BSCI 40430	ANIMAL PHYSIOLOGY
CHEM 30284	INTRODUCTORY BIOLOGICAL CHEMISTRY
	or CHEM 40245 BIOCHEMICAL FOUNDATIONS OF MEDICINE
CHEM 30476	ORGANIC CHEMISTRY LABORATORY II
CHEM 30482	ORGANIC CHEMISTRY II
CHEM 40261	BIOCHEMISTRY: BIOMOLECULE STRUCTURE AND FUNCTION
CHEM 40262	BIOCHEMISTRY: METABOLISM AND GENE EXPRESSION
COMM 15000	INTRODUCTION TO HUMAN COMMUNICATION (KADL)
HED 14020	MEDICAL TERMINOLOGY
MATH 12002	ANALYTIC GEOMETRY AND CALCULUS I (KMCR)
MATH 30011	BASIC PROBABILITY AND STATISTICS
PHY 13001 & PHY 13021	GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)
PHY 13002 & PHY 13022	GENERAL COLLEGE PHYSICS II (KBS) and GENERAL COLLEGE PHYSICS LABORATORY II (KBS) (KLAB)
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)
PSYC 20651	CHILD PSYCHOLOGY (DIVD) (KSS)
PSYC 40111	PSYCHOPATHOLOGY
SOC 12050	INTRODUCTION TO SOCIOLOGY (DIVD) (KSS)

Minimum Total Credit Hours: 48

Progression Requirements

- Minimum 3.200 certificate GPA

Graduation Requirements

Minimum Certificate GPA	Minimum Overall GPA
3.200	2.000

- Professional programs are highly competitive and some may require or recommend a higher GPA

Roadmap

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

Semester One	Credits
BSCI 10120 BIOLOGICAL FOUNDATIONS (ELR) (KBS) (KLAB)	4
CHEM 10060 GENERAL CHEMISTRY I (KBS)	4
CHEM 10062 GENERAL CHEMISTRY I LABORATORY (KBS) (KLAB)	1
Certificate Electives	3-6
Credit Hours	12

Semester Two

CHEM 10061	GENERAL CHEMISTRY II (KBS)	4
CHEM 10063	GENERAL CHEMISTRY II LABORATORY (KBS) (KLAB)	1
Certificate Electives		7-10
Credit Hours		12

Semester Three

CHEM 30475	ORGANIC CHEMISTRY LABORATORY I (ELR)	1
CHEM 30481	ORGANIC CHEMISTRY I	3
Certificate Electives		8-10
Credit Hours		12

Semester Four

Certificate Electives		12-14
Credit Hours		12
Minimum Total Credit Hours:		48

Program Learning Outcomes

Graduates of this program will be able to:

1. Examine science and math subjects pertinent to medical school and other health career program requirements.
2. Prepare for admission to medical school and other health career programs.