

HEALTH SCIENCE B.S

The Bachelor of Science (B.S.) in Health Science provides students with a strong academic foundation in the physical and social sciences while building foundational knowledge and skills for broad practice in public health. Built on the nationally recognized Public Health Foundation's Core Competencies, the program emphasizes student development in areas such as communication, professional ethics, health equity, social policy, and research methods. Students acquire essential skills in scientific inquiry, critical thinking, and problem-solving, which are integral for success in careers in clinical, administrative, and community health professions. The program serves as a pathway for graduates who plan to pursue advanced degrees in osteopathic medicine, chiropractic, occupational therapy, physical therapy, physician assistant, or other health professions. Graduates will be prepared to pursue advanced degrees or start an entry-level career in public health, community health, or health promotion. The program supports D'Youville University's mission of preparing students for lives of service and leadership by fostering a commitment to community health and lifelong learning.

Health Science B.S.

Code	Title	Credits
Major Requirements		54
Major Electives		9
General Education Requirements		30
Free Electives		27
Total Credits		120

Major Requirements

Code	Title	Credits
Health Science Core		
BIO-101	Introductory Biology I	4
BIO-101L	Intro Bio Lab I	0
BIO-102	Introductory Biology II	4
BIO-102L	Intro Bio Lab II	0
BIO-107	Human Anatomy & Physiology I	3
BIO-107L	Human Anatomy & Physiology Laboratory	1
BIO-108	Human Anatomy & Physiology II	3
BIO-108L	Human Anatomy & Physiology II Lab	1
<i>Select One Chemistry Track</i>		<i>6-8</i>
General Chemistry Track		
CHE-101	General Chemistry I	
CHE-101L	General Chemistry Laboratory	
CHE-102	General Chemistry II	
CHE-102L	General Chemistry Laboratory II	
Chemistry for Health Sciences Track		
CHE-111	Chemistry for Health Sciences	
CHE-112	Chemistry for Health Sciences II	
CHE-113L	Chemistry for the Health Sciences Lab	
MAT-201	Biostatistics	3
or MAT-120	Statistical Reasoning for Healthcare Professionals	
or MAT-123	Introduction to Applied Statistics	
or SOS-301	Statistics in the Social Sciences	
PSY-101	General Psychology	3

or PSY-203	Lifespan Development	
SOC-101	Principles of Sociology	3
or SOC-201	Social Problems	
HSC-499	Health Science Capstone	3
Health Literacy Core		
COM-100	Human Communication	3
HP-203	Medical Terminology	1
SOC-313	Health Disparities	3
HUM-301	Topics in Healthcare History	3
SOS-302	Research Methods in Social Sciences	3
SOC-316	Social Policy for Better Health	3
Total Credits		50-52

Major Electives

Code	Title	Credits
Select Three Courses		9-12
For courses with an associated lab, both the lecture and lab must be taken.		
BIO-303	Biochemistry	3
BIO-303L	Biochemistry Lab	1
BIO-208	Microbiology	3
BIO-208L	Microbiology Lab	1
BIO-302	Genetics	4
BIO-302L	Genetics Lab	0
CHE-209	Principles of Organic Chemistry	3
CHE-209L	Principles of Organic Chemistry Lab	1
DTC-306	Principles of Nutrition	3
English Course at 200-level or higher		3
ESS-220	Human Biomechanics	3
ESS-306	Exercise Physiology	3
PHI-214	Challenges of Death	3
PHI-312	Bioethics Seminar	3
PHY-111	Introduction to Physics	3
PHY-111L	Introduction to Physics Lab	1
PHY-112	Introduction to Physics	3
PHY-112L	Introduction to Physics Lab	1
PSY-206	Abnormal Psychology	3

Recommended Electives

Code	Title	Credits
Recommended Electives for students intending to apply to the Physician Assistant Program (PHA.MS)		
BIO-208	Microbiology	3
BIO-208L	Microbiology Lab	1
CHE-209	Principles of Organic Chemistry	3
CHE-209L	Principles of Organic Chemistry Lab	1
PHI-214	Challenges of Death	3
PHI-312	Bioethics Seminar	3
English Course at the 200 level or higher		3
Total Credits		17

Code	Title	Credits
Recommended Electives for students intending to apply to the Physical Therapy Program (D.P.T.)		
PHY-111	Introduction to Physics	3
PHY-111L	Introduction to Physics Lab	1
PHY-112	Introduction to Physics	3
PHY-112L	Introduction to Physics Lab	1
ESS-220	Human Biomechanics	3
ESS-306	Exercise Physiology	3
Total Credits		14

Code	Title	Credits
Recommended Elective for students intending to apply to the Occupational Therapy Program (O.T.D.)		
PSY-206	Abnormal Psychology	3
Total Credits		3

Code	Title	Credits
Recommended Electives for students intending to apply to the Chiropractic Program (D.C.)		
PHY-111	Introduction to Physics	3
PHY-111L	Introduction to Physics Lab	1
PHY-112	Introduction to Physics	3
PHY-112L	Introduction to Physics Lab	1
ESS-220	Human Biomechanics	3
Total Credits		11

Code	Title	Credits
Recommended Electives for students intending to apply to the Osteopathic Medicine Program (D.O.)		
CHE-219	Organic Chemistry	3
CHE-219L	Organic Chemistry Lab	1
BIO-303	Biochemistry	3
BIO-303L	Biochemistry Lab	1
BIO-208	Microbiology	3
BIO-208L	Microbiology Lab	1
BIO-302	Genetics	4
BIO-302L	Genetics Lab	0
English Course at the 200 level or higher		3
Total Credits		19

Academic Standing:

To be in good academic standing students must:

1. Maintain a cumulative GPA of 2.00, and
2. Earn minimum grades of C in all courses required for the major.

Students intending to pursue graduate study should be aware that admission requirements for graduate programs vary by institution and may exceed the minimum requirements of this undergraduate program. Prospective applicants are responsible for reviewing the specific prerequisites, academic standards, and admission criteria of the graduate programs to which they plan to apply.

Academic Probation

Students who are not in good academic standing will be placed on academic probation.

Dismissal

Students will be dismissed from the program if they:

1. Fail to remain in good academic standing while on academic probation.
2. Fail to earn a minimum grade of C in a repeated course.

Appeals

To appeal a decision rendered by the School of Health Professions faculty/administration that has academic consequences, you must follow the appeal procedures which are available at www.dyc.edu/appeals (<https://nam11.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.dyc.edu%2Fappeals&data=05%7C02%7Cwhelanm%40dyc.edu%7Cbfafe9a869406833a408de7ee21ada%7C68f1f6313c9e4247804999e093207ced%7C0%7C0%7C639087706801460869%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiwlLjAuMDAwMCIslIAiOiJXa%3D%3D%7C0%7C%7C%7C&sdata=NL%2FIgVkaTFg0Yw2%2BbNm6Z3Uyeevr%2BPkF5WI1xK%2F0ojs%3D&reserved=0>).

Admission requirements:

Submitted application for admission.

Official high school transcripts.

An overall weighted GPA of 85% with successful completion of high school graduation requirements and three years of math, English, and science.

Transfer students are required to have a minimum of C or better in each of the courses for which credit is transferred.