

A.S. BIOLOGY •

Total credits: 60-64

Requirements for Matriculants

COLLEGE REQUIREMENTS

Successful completion of CUNY/ACT Tests in Reading and Writing and the COMPASS Math Skills Test with passing examination scores or developmental courses may be required.

One (1) Writing Intensive course in any discipline from any category below is required. Such courses are designated "W". Participation in a Learning Community that includes ENG 12 also satisfies this requirement.

ENG 01200.....	3 credits
ENG 02400.....	3
HE 01400	1

A passing score on the CUNY Proficiency Exam (CPE) is required for graduation and must be taken following the completion of 45 credits.

DEPARTMENT REQUIREMENTS §

General Biology I and II (BIO 01300-01400)	8 credits
General Chemistry I and II (CHM 01100-01200)	4
General Microbiology (BIO 05000)	4
Analytic Geometry and Pre-Calculus Math (MAT 01400) or For Occupational Therapy or Physician Assistant Transfer Options:	
Elements of Statistics (MAT 02000)	3 - 4
Introduction to Computer and Computer Applications (CP 01100) or Applications in Bioinformatics (BIO/CIS 06000)	3 - 4
Any Biology Laboratory Courses (excluding BIO 00700-01100-01200, BIO 03300 and BIO 05100)	8

To fulfill the above requirement in Biology electives for the following options:

CONCENTRATION IN MARINE BIOLOGY

Marine Biology (BIO 05200) and any one of the following: BIO 02100, 02200, 05000, 05300, 05400, 05500 or 05900

CONCENTRATION IN BIOTECHNOLOGY

General Microbiology (BIO 05000) and Genetics (05900)

TRANSFER TO THE B.S. IN HEALTH AND NUTRITION SCIENCE OFFERED BY BROOKLYN COLLEGE:

Research Methods in Nutrition Science (BIO 06100)	2 credits
Human Physiology (BIO 08267)	4

OCCUPATIONAL THERAPY TRANSFER OPTION

Human Anatomy and Physiology I and II (BIO 01100-01200)

COMPLETION OF 40 HOURS OF VOLUNTEER OR PAID EXPERIENCE IN OCCUPATIONAL THERAPY FACILITY APPROVED, IN ADVANCE BY THE BIOLOGICAL SCIENCES DEPARTMENT PROGRAM COORDINATOR.

PHARMACY TRANSFER OPTION

Human Anatomy and Physiology I and II (BIO 01100-01200)

PHYSICIAN ASSISTANT TRANSFER OPTION

Human Anatomy and Physiology (BIO 01100-01200)

COMPLETION OF VOLUNTEER PROGRAM CONCERNED WITH DIRECT PATIENT CARE AT LEAST ONE YEAR BEFORE TRANSFER INTO A BACCALAUREATE PROGRAM LEADING TO CERTIFICATION AS A PHYSICIAN ASSISTANT

Courses must be discussed in advance with Department Advisor. Specific recommendations for group distribution courses or electives are dependent upon the requirements of particular occupational therapy or pharmacy programs to which the student may wish to apply for transfer.

GENERAL EDUCATION REQUIREMENTS — 9 CREDITS

A minimum of 3 credits in each Group A and B and 3 credits in either Group A or B in a different discipline. Group C is satisfied by department requirements.

Group A — ARTS and HUMANITIES3 - 6 credits

TRANSFER OPTION TO B.S. IN HEALTH AND NUTRITION SCIENCE (BROOKLYN COLLEGE):

ENG 03000 or 04000 **or** PHI 07100 or 07200

ALL OTHER MAJORS: Select a course from the following disciplines:

Art - Foreign Language - Literature – Media & Film Studies – Music - Speech - Theatre Arts – Philosophy

Excluded are Art studio, Music studio, Theatre production & skills courses

Group B — BEHAVIORAL and SOCIAL SCIENCES.....3 - 6 credits

TRANSFER OPTION TO B.S. IN HEALTH AND NUTRITION SCIENCE (BROOKLYN COLLEGE):

Introduction to Anthropology (ANT 03700) **or** General Psychology (PSY 01100)

Europe: Napoleon to Hitler, 1789 to 1945 (HIS 03100) **or** The Ancient World (HIS 05100)

PHYSICIAN ASSISTANT TRANSFER OPTION:

General Psychology (PSY 01100) **and** Human Growth and Development (PSY 03200)

SECONDARY EDUCATION TEACHER TRANSFER OPTION:

Educational Psychology (PSY 03500)

ALL OTHER MAJORS: Any course(s) selected from the following disciplines:

Anthropology - Economics - History - Political Science - Psychology - Sociology

Group C — MATHEMATICS and SCIENCES — Satisfied by Department Requirements

ELECTIVES: Sufficient to meet required total of 60 credits

FOR THE CONCENTRATION IN BIOTECHNOLOGY:

Biotechnology: Cell Culture and Cloning (BIO 05700)4

Recombinant DNA Technology (BIO 05800)4

FOR TRANSFER TO THE B.S. IN HEALTH AND NUTRITION SCIENCE OFFERED BY BROOKLYN COLLEGE:

Chemistry for Nutritional Sciences (CHM 00500).....5

Introduction to Community Health Services (COH 01100).....3

Critical Issues in Community Health (COH 01200)3

Introductory Foods: Principles and Preparation (COH 08210)3

PHARMACY TRANSFER OPTION:

Organic Chemistry I and II (CHM 03100-03200)10

Calculus (MAT 01500) 4

General Physics I (PHY 01100) recommended 4

PHYSICIAN ASSISTANT TRANSFER OPTION:

Microbiology in Health and Disease (BIO 05100) 4

Science of Nutrition (BIO 07000) 3

Cardiopulmonary Resuscitation (HE 02000)..... 1

Emergency Health Care (NUR 04100) 2

Organic Chemistry I and II (CHM 03100-03200) 1

• These programs are within the Biological Sciences Department.

§ Consultation with the Department Advisor is required.

+ Prerequisites must be satisfied or additional credits may be required.