

Hunter College Schools of the **HEALTH PROFESSIONS**

Hunter College Schools of the Health Professions
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SCHOOL OF HEALTH SCIENCES: page 230

Medical Laboratory Sciences: page 232

Urban Public Health — Community Health Education: page 235

Urban Public Health — Nutrition and Food Science: page 237

SCHOOL OF NURSING: page 241

Generic Pathway: page 241

RN Pathway: page 242

Hunter College's Schools of the Health Professions comprise two prestigious units of the college: The School of Health Sciences and the Hunter-Bellevue School of Nursing. Restructured under a single dean in 1997, each school can now coordinate and enhance efforts to carry out a shared mission: the education of a new generation of health care professionals to meet the needs of the urban population.

SCHOOL OF HEALTH SCIENCES

Main Office: 1010 Brookdale Campus West; (212) 481-4324

Student Information: (212) 481-4320

Brookdale Health Science Center

**425 East 25th Street
New York, NY 10010**

School Director: Marilyn Iris Auerbach

Web site: <http://www.hunter.cuny.edu/schoolhp/shs/index.htm>

Distinguished Professor:

Freudenberg

Distinguished Lecturer:

Neal Cohen

Professors:

**Cascella, Fahs, Horiuchi, Johnston, Klitzman, Krauss, Linder, Mirer,
Preece, Silverman**

Associate Professors:

**Alcabes, Auerbach, Goldberg, Krasilovsky, Lipovac, Navder, Rolland,
Romero, Rosen, Spark**

Assistant Professors:

**Berney, Caravanos, Einheber, Holland, Mahajan, Pivko, Raffaniello,
Richmond-Bryant, Roberts, Babyar-Rothbart, Schleffer, Viladrich,
Vogel, Waltzman, Yeh**

Instructors:

Head, MacRoy, Marshall, O'Connor

HISTORY

Nursing education began at Hunter in 1943, when courses for registered nurses were added to its curriculum. In 1955, a four-year collegiate program that was a pioneer for its time — the Hunter College Program in Nursing — was launched. When the Bellevue School of Nursing closed in 1969, Hunter absorbed it to create the Hunter-Bellevue School of Nursing, now located at the college's Brookdale Health Science Center at 425 East 25th Street in Manhattan, near Bellevue Hospital.

Hunter's Institute of Health Sciences, dedicated to the educational preparation of a range of health care professionals, opened its doors on East 106th Street in 1968. Six years later, the Institute became the School of Health Sciences and moved downtown to join the nursing school at the Brookdale campus at 25th Street. The reorganization of the two schools allows them to be more innovative academically — and more influential in the delivery of modern urban health care. Interdisciplinary programming and research are strategic initiatives of the schools.

The Hunter College School of Health Sciences offers undergraduate and graduate programs in health-related professions. The school is housed at the Brookdale Health Science Center, located in close proximity to many of New York's major health care facilities. The health professions complex at East 25th Street provides students with fully equipped laboratories, computer and media facilities, a speech and hearing clinic and a library, as well as recreational facilities, a cafeteria and an on-site dormitory. Hunter's School of Health Sciences prepares liberal arts educated professionals to enter and advance in health-related careers. These professionals will provide health maintenance and promotion, disease prevention, evaluation and clinical management of health-related conditions. The school's programs of study provide unique educational, research, and clinical and community service-oriented opportunities to students.

The undergraduate programs offered at the Hunter College School of Health Sciences are designed for working health professionals:

- BS in Medical Laboratory Sciences
- BS in Community Health Education/Urban Public Health
- BS in Nutrition and Food Sciences/Urban Public Health

Additionally, the following graduate programs are offered at the School of Health Sciences:

- MS in Communication Sciences (Speech-Language Pathology)
- MPH in Urban Public Health with Specializations:

- Community Health Education
- Environmental and Occupational Health
- Public Health Nutrition
- MS/MPH in Community Health Nursing/Urban Public Health
- MS in Environmental and Occupational Health Sciences

Note: Physical therapy and audiology are now doctoral programs offering the DPT and the AudD respectively. They are administered by the Graduate Center of The City University of New York. Further, while Hunter continues to offer the MPH in urban public health, a doctoral program in the field is now available at the CUNY Graduate Center. Similarly, in addition to the master's degrees and advanced certificates in nursing offered at Hunter College, a doctoral program in nursing leading to the degree of doctor of nursing science (DNS) is now available through the CUNY Graduate Center. Consult the Graduate Center Web site at <http://web.gc.cuny.edu/ClinicalDoctoral/index.htm>

Course Offerings for Undergraduate Students in Communication Sciences, and Environmental and Occupational Health Sciences

Degrees in communication sciences and environmental and occupational health sciences are not offered at the undergraduate level. Electives may be taken in environmental and occupational health sciences. For further information on environmental and occupational health sciences, call the Urban Public Health program at (212) 481-5111.

Admission to Health Sciences Programs

Students enter the School of Health Sciences after completion of a minimum of 60 college credits. All applicants, including those currently enrolled at Hunter College who wish to apply to Community Health Education and Nutrition and Food Science, BS degree in the Urban Public Health Program, must file a City University of New York (CUNY) transfer (Advanced Standing) application. The application may be obtained at Hunter's 68th Street Campus in the college's Welcome Center, Room 100 Hunter North, (212) 947-4490; at CUNY's Office of Admission Services, 1114 Avenue of the Americas, New York NY 10036, (212) 927-2869, at all CUNY campuses, and online at <http://www.cuny.edu>. You can also apply online at www.cuny.edu; click on Prospective Students.

If you are applying by mail, the transfer application and required supporting academic records must be mailed to the University Application Processing Center, PO Box 359023, Brooklyn, NY 11235-9023 between January 1 and March 1 for the fall semester, and between September 1 and November 1 for those programs with spring admissions. Applications received after the deadline are not given priority consideration and are processed on a space-available basis.

Applicants with completed applications by the deadline date can expect to be notified no later than May 1 for the fall semester and by December 1 for the spring semester. Students who have not completed the prerequisite course requirements to be considered for admission to one of these undergraduate programs in the School of Health Sciences may wish to transfer to Hunter College as liberal arts and science students. These students should follow the same transfer admission processes detailed above.

Students seeking admission to one of the undergraduate programs offered at the School of Health Sciences should contact their program of choice directly for admission and degree requirements. These programs offer prospective student sessions each semester. See individual program listings in the catalog, or visit their web sites.

The requirements for consideration for admission to programs in the School of Health Sciences are as follows:

Community Health Education Completion of 60 credits; combined grade point average of all postsecondary institutions attended of 2.5; one semester of biology with lab; one semester of statistics.

Medical Laboratory Sciences Completion of 60 credits; minimum GPA of 2.5; one year of general chemistry with lab; one year of general biology with lab. Hunter College students applying to Medical Laboratory Sciences should contact the program, preferably in the semester before they wish to enter, or earlier if they have questions. Qualified students will receive the

Major/Minor form that allows them to declare Medical Laboratory Sciences as their major, usually at their first academic advisement session. Students not currently at Hunter College should file a transfer application as stated under Admissions (above).

Nutrition and Food Science Completion of 60 credits, including the following prerequisites: two semesters of anatomy and physiology with lab; one semester of general chemistry with lab; one semester of organic chemistry with lab; one semester of microbiology with lab; one semester of introductory food science; one semester of introductory nutrition. The introductory food science and nutrition courses may be completed in the summer session preceding entrance to the program. A grade of C or better must be earned in all prerequisites. The introductory food science and nutrition courses may be completed in the summer session preceding entrance to the program. An overall GPA of 2.8 is required for consideration. Owing to the competitive nature of the program, however, the actual GPA required for admission may be higher. Students who have completed 30 credits at Hunter College or at another City University institution at the time of the application will be given priority in the selection process. Students can attend on a full- or part-time basis during the day.

Course of Study The course of study varies from program to program. The curriculum for each program follows this section. Candidates for the BS degree complete a total of 120 credits and are exempt from the college's foreign language requirement. In addition to the special requirements in each program, all candidates for graduation must also complete a Hunter-wide General Education Requirement that is explained in detail in the General Education section of this catalog. We recommend that students complete most General Education Requirements before they enter any of the programs in the School of Health Sciences.

Scholastic Requirements Student grades are reviewed each semester to determine eligibility for remaining in programs of the School of Health Sciences. Each student must maintain an overall GPA of 2.5 for each semester and a grade of C or better in each major course. Major courses must be taken for letter grades except, at the discretion of the program director, for clinic, field or independent study. Program permission is required in order to register for most courses offered at the School of Health Sciences. Permit forms are authorized by program advisers during the pre-registration and registration periods.



MEDICAL LABORATORY SCIENCES-BS

Program Director: Steven Einheber
Brookdale CampusWest 700A
(212) 481-4442, 4502
E-mail: seinhebe@hunter.cuny.edu

Web site: <http://www.hunter.cuny.edu/schoolhp/mls/index.htm>

Professors:
Johnston, Linder

Assistant Professors:
Einheber, Mahajan, Raffaniello

Advisers:
Dean Johnston, Regina Linder
E-mail: djohnsto@hunter.cuny.edu, rlinder@hunter.cuny.edu

HEGIS Code: 1223

Curriculum for the Bachelor of Science Degree

Medical Laboratory Sciences (MLS) is a pre-professional major, preparing students for careers in laboratories devoted to promoting, maintaining and restoring human health. The MLS curriculum builds upon the basic science courses required to enter the program. Courses in the major fall into the following categories:

1. fundamental lab skills
2. clinical subspecialties
3. advanced biomedical courses
4. pre-professional practice

Emphasis is placed on problem solving and development of laboratory strategies, in addition to theoretical knowledge and practical skills in each of the disciplines in the curriculum. The academic demands of MLS courses often require students to carry lower credit loads than they are accustomed to. Part-time attendance and some evening classes are mechanisms for assisting students complete the challenging curriculum. See course descriptions below and the MLS Web site for more detail.

Professional Outcomes

Entry-Level Positions Students completing the MLS degree are prepared for positions in a variety of settings. These include clinical (medical) technologists in diagnostic laboratories in hospitals and commercial environments, research assistants in medical center and university labs, pharmaceutical and biotechnology companies and public health laboratories. Personnel shortages are severe in several of these areas, and opportunities are predicted to grow. The Monthly Labor Review projects a growth rate of 23% for clinical laboratory positions through 2014.

The passage of the Clinical Laboratory Technology Practice Act in 2005 created a transparent professional pathway defining the education, experience and examination to qualify as a clinical technologist in New York State (www.op.nysed.gov/clp-htm). While regulations for implementation are still in development, the MLS course of study has been defined as fulfilling the educational and practice components for licensure under the transition guidelines. It is expected that status as licensed professionals will help to alleviate shortages in the field.

Further Education

MLS students are encouraged to plan for post-baccalaureate education, and guided to complete prerequisites. MLS alumni have been successful in medical and dental school, graduate programs in biomedical science (master's and PhD), management and clinical specialties (PA, forensic science, etc.) and advanced laboratory diagnostics such as cytotechnology.

Opportunities for Pre-Professional Experience

Professional Practice Qualified students planning for careers in the diagnostic lab enroll in MLS 410, to fulfill the practical experience requirement of the clinical technologist license. Students are assigned to hospital, reference or public health labs for summer or semester-long internship experience in an area consistent with their interests. Students completing the academic program but not Professional Practice may serve as trainees in settings arranged by them following graduation.

Biotechnology BS/MA

Qualified seniors may apply to the BS/MA collaboration between MLS and the department of

New Course Prefixes

Some course prefixes have changed, effective fall 2008. New prefixes are used in the course descriptions below.

Old:COMHE

New:CMHE

Biological Sciences. An intensive techniques workshop (BIOL 410) is taken prior to graduation and upon successful completion, students may continue with professional internship and the MA program, allowing MLS graduates to complete the degree at an accelerated pace.

Student Research

Qualified students are encouraged to participate in faculty research projects in such areas as cancer vaccine development, bacterial pathogenesis, gastric secretion and central nervous system myelination through independent study and honors courses. Several honors and awards are available to recognize excellent projects.

Academic Advising

MLS majors meet each semester with a faculty adviser to review progress and plan the next semester's program. The adviser helps students pace their studies appropriately. Counseling for graduate school, employment and reference support is ongoing for our alumni, and a strong professional network exists among MLS alumni.

Admission Requirements

Completion of 60 credits before enrolling in MLS, including: 1 year general chemistry with lab (Chem 102-3-4-5, or equiv.) 1 year general biology with lab (Bio 100-2, or equiv.) with lab, overall GPA of at least 2.5. Students enter the Medical Laboratory Sciences Program in fall and spring semesters. Advisers welcome e-mail inquiries anytime. Transfer students must file a transfer application as described under Admissions to Health Science Programs (p. xxx). Hunter College students may apply any time of the year by contacting the program, preferably in the semester before they wish to enter. Students who qualify will be accepted with the major/minor form at the time of the first registration meeting (bring a student copy of non-Hunter transcripts). Students are encouraged to complete most of their General Education Requirement (GER) before entering the program, but liberal arts classes can be interspersed with major courses. (See General Education Requirement section of this catalog.)



REQUIREMENTS FOR GRADUATION IN MEDICAL LABORATORY SCIENCES:

(120 cr.)

Core Requirements

(59 credits, including MLS prerequisites):

Stage 1. Academic Requirements:

- A.....3 cr
- B (STAT 113* or MATH 150)3-4 cr
- C3 cr

Stage 2. Broad Exposure:

- A3 cr
- B6 cr
- C3 cr
- D3 cr
- E (BIOL 100/102)9 cr

Stage 3. Focused Exposure:

- A.....3 cr
- B3 cr

Pluralism and Diversity: Up to 12 credits.

Students must complete groups A-D as described in the catalog. It is recommended that courses chosen simultaneously meet requirements of the Core.

Writing

Students must complete up to three courses in significant writing (W) designated courses.

Allied courses

- CHEM 102, 103, 104, 105, 222, 223, PHYS 110 or equivalents.19 cr

Health Core (3 cr.)

One of the following: CMHE 330, PHIL 254, SOC 301, or MLS 400: Topics offerings specified to meet this requirement.

Specialization (39 cr.)

MLS 300, 312, 347, 349, 351, 352, 354, 355, 361, 450, 457, 460

Electives(7-8 cr)

Recommended: MLS 400, 410, 480, 490; BIOL 410; CHEM 224, 225; MATH 155; STAT 113*

Medical Laboratory Sciences

General Education Requirement	Courses	Prereqs	Credits
Stage 1 Group A	ENGL 120		3
Stage 1 Group B	STAT 113* or MATH 150	MATH 101 or appropriate score on COMPASS	3
Stage 1 Group C	(HIST 151, 152, or PLSC 110)		3
Stage 2 Group A Survey of Literature Written in English	ENGL 220		3
Stage 2 Group B Social Sciences	See adviser		6
Stage 2 Group C Humanities	See adviser		3
Stage 2 Group D Visual and Performing Arts	See adviser		3
Stage 2 Group E Natural Science	BIOL 100/102		9
Stage 3 Group A Humanities or Visual and Performing Arts	See adviser		3
Group B Social Science or Natural Science/Mathematics	See adviser		3
Pluralism and Diversity	See adviser		12
Writing - up to 3 courses in significant writing - "W" designated courses			9
Allied courses	CHEM 102, 103 CHEM 104, 105 CHEM 222, 223 PHYS 110	MATH 125/126 (5 crs.) CHEM 102/103 CHEM 104 MATH 125	4.5 4.5 5.5 4.5
Total			70

*required for NYS licensure

Curriculum

Courses	Prereqs	Credits
MLS 300	BIOL 100, 102, CHEM 102, 103, 104, 105	3
MLS 312	BIOL 100, 102, CHEM 104, 105 or equivalent	3
MLS 347	MLS 312 (coreq)	3
MLS 349	MLS 300 or (coreq)	3
MLS 351	MLS 300 or (coreq)	3
MLS 352	MLS 300, 351	4
MLS 354	CHEM 222	3.5
MLS 355	MLS 354	3.5
MLS 361	MATH 150 or STAT 113	3
MLS 450	MLS 351; (coreq 347, 352)	4
MLS 457	Instructor's permission	3
MLS 460	MLS 349, 351 (coreq 352, 354)	3
CMHE 330 or PHIL 254, or SOC 301, or MLS 400	Department permission	3
Electives (recommended courses: MLS 400, 410, 480, 490, BIOL 410, CHEM 224, 225)		7-8
Total		49-50

COURSE LISTINGS

MLS 300 Fundamental Concepts and Techniques in the Medical Laboratory

Function of the medical laboratory, data analysis and operation of basic laboratory equipment. Approximately 1-2 informal laboratory hours are required to practice the use of equipment.

prereq: BIOL 100, 102, CHEM 102, 103, 104, 105 *or equiv.*
3 hrs (2 lec, 1 lab), 3 cr.

MLS 312 Human Physiology: Integration and Control

Study of function at the cellular and systemic level, with emphasis on the integrated organism and associated control systems. Electronic resources are used extensively in this course.

prereq: BIOL 100 *and* 102, CHEM 104, 105 *or equiv.*
3 hrs, 3 cr.

MLS 347 Human Histology

Structure and function of normal human tissues and cells, including systematic study of microscopic morphology.

coreq: MLS 312
5 hrs (2 lec, 3 lab), 3 cr.

MLS 349 Hematology

Study of normal and pathological conditions of blood. Use of current diagnostic techniques to analyze peripheral blood and bone marrow, differential counting and blood banking.

pre- or coreq: MLS 300
5 hrs (2 lec, 3 lab), 3 cr.

MLS 351 Clinical Microbiology I

Properties and mechanisms of pathogenesis of microorganisms associated with disease and the antimicrobial agents used to control them.

pre- or coreq: MLS 300
5 hrs (2 lec, 3 lab), 3 cr.

MLS 352 Clinical Microbiology II

Continuation of MLS 351 with particular emphasis on anaerobic bacteria, fungi, and viruses. Diagnostic strategies using classical, serological and molecular techniques.

prereqs: MLS 300, 351 *or equiv.*
5 hrs (2 lec, 3 lab), 4 cr.

MLS 354 Clinical Biochemistry I: Biomolecules & Metabolism

Basic macromolecules of life, including amino acids, lipids, nucleic acids, and carbohydrates; membrane biochemistry and signal transduction; cellular metabolism and bioenergetics; clinical and biochemical laboratory methods.

prereq: CHEM 222
5 hrs (2 lec, 3 lab), 3.5 cr.

MLS 355 Clinical Biochemistry II: Genes to Proteins

Structure and function of nucleic acids and proteins and the genetic basis of human disease. Laboratory methodologies include analysis of proteins, including enzymes in clinical samples, and manipulation of microbial nucleic acids.

prereq: MLS 354
5 hrs (2 lec, 3 lab), 3.5 cr.

MLS 361 Computers and Data Processing in the Medical Laboratory

Study of computer integration in the medical and research lab, data compilation and medical information systems. Approximately 3 additional informal lab hours are required weekly.

prereq: MATH 150 *or* STAT 113
3 hrs (1 lec, 2 lab), 3 cr.

MLS 400 Topics in Biomedical Sciences

Topics vary from semester to semester and are announced before registration.

1-3 hrs, 1-3 cr.

MLS 410 Professional Practice

Directed full-time experience in clinical, research, public health or other biomedical laboratories. Arranged on an individual basis.

prereq: perm director
8 wks, 3 cr.

MLS 450 Cell and Tissue Culture

Cell and tissue culture theory and techniques, including starting primary cultures, passing and preservation of cells, cell cycle and growth factor assays and monoclonal antibody techniques. Several informal hours are required each week in the lab in addition to the scheduled class.

prereq: MLS 351
coreqs: MLS 347, 352
5 hrs (2 lec, 3 lab), 4 cr.

MLS 454 Parasitology

Ecology, life cycle, physiology, and identification of intestinal, blood, tissue, and ectoparasites of humans.

prereq: MLS 351
5 hrs (2 lec, 3 lab), 3 cr.

MLS 457 Senior Seminar

Oral presentations and written exercises (including research proposal) introduce students to the use and proper citation of the biomedical literature, research design, effective scientific communication and regulatory oversight of science.

prereq: perm instr.
2 hrs, 3 cr.

MLS 459 Viral Mechanisms in Human Disease

Structure and replication of viruses, viruses as models in molecular biology, and the mechanism of interferon action in relation to human disease.

prereqs: MLS 351 *and* 352 *or equiv.*
2 hrs, 2 cr.

MLS 460 Immunology

Cellular reactions in immunology, structure of antibodies and antigens, and laboratory determination of immune functions.

prereqs: MLS 349, 351
coreqs: MLS 352, 354
5 hrs (2 lec, 3 lab), 3 cr.

MLS 480.1-3 Independent Study

prereq: perm director
hrs TBA, 1-3 cr. respectively

MLS 490 Honors

prereq: perm director
hrs TBA, 3 cr.



PROGRAM IN URBAN PUBLIC HEALTH

Community Health Education: page 235
Nutrition and Food Science: page 237

The program in Urban Public Health educates public health professionals to promote health and prevent disease in diverse urban communities. The program offers bachelor of science degrees in Community Health Education and Nutrition and Food Sciences, a master of science degree in Environmental and Occupational Health Sciences, and a master in Public Health degree with specialization tracks in Community Health Education, Environmental and Occupational Health and Public Health Nutrition. (Please see the Graduate Catalog.)

As more of the world's population moves into urban areas, cities pose unique challenges to public health practitioners. This program prepares students to contribute to improved urban health by addressing such problems as HIV, substance abuse, asthma, obesity, under-nutrition, violence, heart disease and cancer. Graduates are employed by public and private agencies, hospitals, schools and community organizations. Many students go on to enroll in graduate programs after they earn the bachelor's degree and qualified undergraduates can take selected graduate courses in Urban Public Health in their senior year.

Community Health Education

Program Coordinator: Kathryn Rolland,
1004 Brookdale Campus West;
(212) 481-5111
E-mail: krolland@hunter.cuny.edu

Web site:
http://www.hunter.cuny.edu/schoolhp/shs/programs/uph/bs/che_bs/index.htm

Distinguished Professor:
Freudenberg

Distinguished Lecturer:
Neal Cohen

Professor:
Horiuchi, Krauss

Associate Professors:
Alcibes, Auerbach, Rolland, Viladrich

Assistant Professors:
Berney, Roberts

COMMUNITY HEALTH EDUCATION BACHELOR OF SCIENCE DEGREE

Community health educators use educational skills and a sound knowledge of public health to encourage, maintain and improve the health of people in diverse communities. They develop, implement and coordinate health education programs, educate the public about health and disease and what can be done to maintain good health, prevent disease or secure treatment.

Community health educators are employed in community organizations, family planning clinics, mental health centers, homeless shelters, and work sites. The BS degree at Hunter provides the background for positions in the field and the academic background to pursue graduate education in public health, social work and related fields.

Field placements provide students with an opportunity to practice skills prior to graduation.

Admission Requirements

Completion of 60 credits and most of the General Education Requirements before entrance; combined GPA of all postsecondary institutions attended of 2.5; one semester of college-level biology with lab and one semester of statistics. Students may apply during the semester that they are completing prerequisites for the program. Students enter the community health education program in the fall semester. All applicants, including current Hunter College students, must file a transfer application as described under Admission to Health Sciences Programs. Please note that CMHE majors may use BIOL 100 and BIOL 120 or 122 in order to receive credit for the two-semester sequence in Biological Science.

REQUIREMENTS FOR GRADUATION IN COMMUNITY HEALTH EDUCATION

(120 cr)

General Education Requirement

As students fulfill their GER, they should include among their GER coursework the following:

Stage 1: Academic Requirements

A – ENGL 120
B – STAT 113

Stage 2: Broad Exposure

B – PSYC 100, PSYC 150
E – BIOL 100 or 102

Graduation requirements

Foreign language not required

Writing: up to three courses in significant writing - "W" designated courses

Pluralism and Diversity

Note: An additional 12 credits in social science courses of 200 level or above are required for this major. See below. Selected Pluralism and Diversity courses may partially fulfill the social science requirement.

Specialization

- Required (49-49.5 cr) CMHE 301, 302, 303, 325, 330, 401, 402, 403, 405, 420, NFS 141, BIOL 120 or 122, PSYC 150 and 3 of the following: CMHE 321, 322, 323, 324, 326, or CMHE 400 special topics courses
- Required social science electives (12 cr at least, 200-level or above, in consultation with adviser) from urban studies, sociology, psychology, media, anthropology, women's studies, education, and 200-level CMHE courses.
Note: required in addition to Stage 3, Group B.
- Free electives (up to 21 credits in consultation with an adviser) as needed to complete 120 credits.
- No minor required.

Summary:

Category	Credits
GER	39
P&D	12
Allied Course	4.5
CMHE	64.5
Free electives (CMHE)	21
TOTAL	120

Community Health Education – GER and Lower Division

General Education Requirement	Courses	Prereqs	Credits
Stage 1 Group A	ENGL 120		3
Stage 1 Group B	STAT 113	MATH 101 or appropriate score on COMPASS (3)	3
Stage 1 Group C	HIST 151, 152, or PLSC 110		3
Stage 2 Group A Survey of Literature written in English	See adviser		3
Stage 2 Group B	PSYCH 100, *150		6
Stage 2 Group C Humanities	See adviser		3
Stage 2 Group D Visual and Performing Arts	See adviser		3
Stage 2 Group E	CHEM 100/101		4.5
	BIOL 100 or 102	MATH 101 or equivalent	4.5
Stage 3 Group A Humanities or Visual and Performing Arts	See adviser		3
Stage 3 Group B Social Science or Natural Science/Mathematics	See adviser		3
Pluralism and Diversity	See adviser		12
Writing	up to 3 courses in significant writing "W" designated courses		(9)
Allied course	*Biol 120 or 122	CHEM 100/101	4.5
Total			55.5

Curriculum in Community Health Education – Upper Division

Courses	Prereqs	Coreqs	Credits
CMHE 301		CMHE 302 (co-req)	3
CMHE 302		CMHE 301 (co-req)	3
CMHE 303	CMHE 301, 302		3
CMHE 325			3
CMHE 330			3
NFS 141			3
CMHE 401	CMHE 301, 302, 303		3
CMHE 402	CMHE 401		2
CMHE 403	CMHE 401, 402		3
CMHE 405			3
CMHE 420	*BIOL 120 or 122 (4.5 crs.)		3
*Required health electives: choose three CMHE Core (321, 322, 323, 324 326, or 400)			9
*Social Science Electives		200-level or above	12
*BIOL 120 & PSYCH 150			(7.5)
Total			53

*These are required courses for the CMHE curriculum but may be taken at any time

COURSE LISTINGS

CMHE 150 Introduction to the Health Care System

A survey of the organization of the United States health care system, the perspectives of consumers, providers and organizers. Various health professions will be examined as well as the major health concerns that exist today.

3 hr, 3 cr.

CMHE 200 Controversial Issues in Health

A contemporary health controversy examined through the disciplines of public health and community health education.

3 hr, 3 cr.

CMHE 204 AIDS and Society

The HIV/AIDS pandemic examined from a variety of perspectives: epidemiology, sociology, and ethics.

3 hr, 3 cr.

CMHE 301 Introduction to Community Health Education: Social and Psychological Bases

Bases of health education; models for changing health behavior; community organization; evaluation and research.

3 hrs, 3 cr.

CMHE 302 Principles of Health Education Practice I

Introduction to health education methods; teaching-learning transaction in health care setting; presentation skills, learning theories.

coreq: CMHE 301

3 hrs, 3 cr.

CMHE 303 Principles of Health Education Practice II

Leadership skills related to work with health consumers, interviewing techniques, group dynamics, and public speaking.

prereq: CMHE 302

3 hrs, 3 cr.

CMHE 321 Addictions and Dependencies

Recent research on alcohol, narcotics and other chemical dependencies. Strategies for intervention, prevention, and treatment, with emphasis on role of health education.

3 hrs, 3 cr.

CMHE 322 Maternal and Child Health

Social, behavioral, and medical factors involved in contraception counseling, abortion and sterilization, prenatal care, childbirth, child health, parenting, and prevention of family violence. Effect of public, social welfare, and public health policy on women and children.

3 hrs, 3 cr.

CMHE 323 Health Aspects of Aging

Demography and epidemiology of the aging population. Public health policy and recent legislation affecting the aged. Economic, social, and cultural factors that affect agencies, services, and health education programs serving the aged.

3 hrs, 3 cr.

CMHE 324 Human Sexuality

Study of interaction of cognitive, affective, and behavioral dimensions of sexuality.

3 hrs, 3 cr.

CMHE 325 Environmental Public Health Problems

Impact of environmental problems associated with urbanization — e.g., water quality, air and noise pollution, waste disposal and radiation hazards.

3 hrs, 3 cr.

CMHE 326 HIV/AIDS: An Interdisciplinary Perspective for Health Care Providers

Interdisciplinary perspective on the impact of the HIV epidemic on the biological, psychological and social dimensions of people affected by HIV/AIDS.

3 hrs, 3 cr.

CMHE 330 Principles of Epidemiology

Methods of study of disease; risk factors; distribution, causes, prevention, and control of selected diseases.

3 hrs, 3 cr.

CMHE 400 Topics in Community Health Education and Public Health

Content varies from semester to semester to address changing needs of profession.

3 hrs, 3 cr.

CMHE 401 Directed Fieldwork I

Assignment in health care agency to provide experience of requirements of profession.

prereqs: CMHE 301, 302, 303
6 wks, 3 cr.

CMHE 402 Directed Fieldwork II

prereq: CMHE 401
1 full day per wk, 2 cr.

CMHE 403 Directed Fieldwork III

prereq: CMHE 401, 402
1.5 days per wk, 3 cr.

CMHE 405 Principles of Administration of Health Care Agencies and Institutions

Overview of U.S. health care system, official and voluntary agencies; introduction to administrative skills.

3 hrs, 3 cr.

CMHE 420 Introduction to Clinical Medicine

Role of health professionals in treatment, management and control of disease.

prereq: BIOL 120 or 122 or equiv.
3 hr, 3 cr.

***CMHE 480.1, .2, .3 Independent Study**

prereq: perm director
hrs TBA, 1-3 cr: respectively

***CMHE 490 Honors**

prereq: perm director
hrs TBA, 3 cr.

*Total credits in independent study courses and honors may not exceed 6.

Nutrition and Food Science

Program Coordinator: Arlene Spark
Brookdale Campus 1000A West;
(212)481-7590
E-mail: aspark@hunter.cuny.edu

Web site:

<http://www.hunter.cuny.edu/schoolhp/nfs/index.htm>

Associate Professors:

Navder, Spark

Assistant Professor:

Yeh

Instructor:

Marshall

Director, Didactic Program in Dietetics:

Khursheed P. Navder
Brookdale Campus 1002 West;
(212)481-5118
E-mail: knavder@hunter.cuny.edu

Nutrition plays an important role in the development and maintenance of optimal health in individuals of all ages. Current research focuses on nutrition and diet as critical factors in the prevention and treatment of the major diseases that cause death and disability in the U.S. Over the past decade, this awareness has led to an increase in the diversity of opportunities available to the person trained in nutrition and food science. Dietitians address food and nutrition needs of individuals through health promotion guidance and medical nutrition therapy. Nutrition professionals may provide nutrition counseling in clinical settings and nutrition education in groups, manage food programs, communicate nutrition information to the public, and conduct nutrition research. Food science professionals examine the physical and chemical properties of foods and apply these principles in the area of food technology to improved flavor, desirable texture and enhanced nutritional value of foods. Food scientists are employed in food companies, test kitchens and research facilities.

Academic preparation in nutrition and food science combines the study of the basic, behavioral, food and nutrition sciences. The curriculum offers a wide range of courses on the nutritional aspects of human diseases, a broad perspective on human biology that takes cultural as well as organic factors into account, and a strong clinical orientation.

Students who graduate with a BS in Nutrition and Food Science are prepared for entry-level positions in community health agencies. Career opportunities include positions in local health agencies and the Special Supplemental Food Program for Women,

Infants and Children (WIC), opportunities at industry wellness programs, cardiac rehabilitation programs, exercise fitness programs and health maintenance organizations, and in test kitchens. NFS graduates with a grade of C or better in all required 300- and 400-level NFS courses are also qualified to apply for accredited dietetic internship programs and for graduate study in nutrition and public health. Many of our graduates continue on for the Hunter College graduate-level Dietetic Internship Program — Web site: http://www.hunter.cuny.edu/schoolhp/phn/dietetic_internship/index.htm — and the MPH in Public Health Nutrition (<http://www.hunter.cuny.edu/schoolhp/phn/index.htm>). These programs are described online and in the graduate catalog.

The Nutrition and Food Science curriculum meets the didactic program in dietetics (DPD) requirements established by the Commission on Accreditation for Dietetics Education (CADE), the accrediting agency of the American Dietetic Association (ADA) and qualifies students to continue their professional preparation for the Registered Dietitian (RD) credential. To become an RD, students must: a) complete a minimum of a bachelor's degree at a US regionally accredited university or college; b) complete all required courses for the DPD, which is the NFS major; c) complete an accredited dietetic internship (DI); and d) pass a national examination administered by the Commission on Dietetics Registration, the credentialing agency of the ADA.

Nutrition and Food Science

General Education Requirement	Courses	Prereqs	Credits
Stage 1 Group A	ENGL 120		3
Stage 1 Group B	STAT 113	MATH 101 or appropriate score on COMPASS (3)	3
Stage 1 Group C	HIST 151, 152, or PLSC 110		3
Stage 2 Group A Survey of Literature written in English	ENGL 220		3
Stage 2 Group B	ECO 100, PSYC 100		6
Stage 2 Group C Humanities	See GER list		3
Stage 2 Group D Visual and Performing Arts	See GER list		3
Stage 2 Group E	CHEM 100/101 CHEM 120, 121	CHEM 100, 101	4.5 4.5
Stage 3 Group A Humanities or Visual and Performing Arts	See GER list		3
Stage 3 Group B Social Science or Natural Science/Mathematics	See GER list		3
Pluralism and Diversity courses used to satisfy P&D may simultaneously meet other GER	See adviser		0-12
Writing: may simultaneously meet other GER	up to 3 courses in significant writing "W" designated courses		0-9
Allied course	BIOL 120 BIOL 122 BIOL 230 BIOL 280	CHEM 100, 101 BIOL 120 BIOL 120, CHEM 100, 101, CHEM 120, 121 BIOL 100, 102, or 120, 122; CHEM 100, 120	4.5 4.5 3 3
NFS 131 and 141			6
Total			60-81

Curriculum = 38 (Only open to majors)

Course	Prereqs	Coreqs	Credits
NFS 330	NFS 131, BIOL 230	NFS 331	1
NFS 331	NFS 131, BIOL 230	NFS 330	3
NFS 333	NFS 131, 141		3
NFS 335	NFS 131, 141, ECO 100		3
NFS 341	NFS 141, BIOL 230, 280		3
NFS 342	NFS 341		3
NFS 343	NFS 141		3
NFS 402	NFS 343		3
NFS 435	NFS 335		3
NFS 441	NFS 333, 342		3
NFS 442	NFS 343		3
NFS 443	NFS 442		3
NFS 444	NFS 341	NFS 445	3
NFS 445	NFS 341	NFS 444	1
Total			38
Electives 1-22 credits			1-22
Total for degree			120

ADMISSION REQUIREMENTS

Students planning to apply for admission to the School of Health Sciences Nutrition and Food Science track should attend a group orientation session for prospective students held every October and February. Individual appointments with a faculty adviser may also be requested by calling (212) 481-5111.

After completion of 45 credits and most of the General Education Requirements (GER), Hunter students may see an NFS adviser for pre-NFS major advising; however, pre-major status does not guarantee later acceptance into the major. Pre-majors must follow the same application procedures as any other student. Students enter the program in the fall semester and can attend on a full-time or part-time basis during the day. The Hunter College GER should be met before entrance into the NFS major. The requirements for admission into the NFS major are completion of 60 credits, including the following courses: two semesters of anatomy and physiology with lab; one semester of general chemistry with lab; one semester of organic chemistry with lab; one semester of biochemistry; one semester of microbiology with lab; one semester of introductory food science; one semester of introductory nutrition. A grade of C or better must be earned in all science prerequisites, and a grade of B or better in the two nutrition and food science courses.

The prerequisite courses must be completed by the end of the summer session preceding entrance into the NFS major. An overall GPA (combined grade point average from all postsecondary institutions attended) of 2.8 is required for consideration. Because of the competitive nature of the applicant pool and the small size of the incoming class, the admission process may favor applicants with an overall GPA greater than 2.8. Students who have completed 30 credits at Hunter College or at another City University institution at the time of application will be given priority in the selection process.

All applicants, including those currently enrolled at Hunter College, must file a City University of New York (CUNY) Transfer (Advanced Standing) application. The application may be obtained at Hunter's 68th Street campus in the college's Welcome Center, Room 100 North Building, (212) 772-4490, online at <http://admissions.hunter.cuny.edu>, at CUNY's Office of Admission Services, 1114 Avenue of the Americas, New York NY 10036, (212) 997-2869 and at all CUNY campuses. You can also apply online at www.cuny.edu.

The transfer application and required supporting academic records must be mailed to the University Application Processing Center, PO Box 359023, Brooklyn, New York, 11235-9023 by March 1. Applications that arrive after March 1 are not given priority consideration and are processed on a space available basis. Applicants with completed applications by the deadline date can expect to be notified no later than May 1.

Students who have not completed the prerequisite course requirements to be considered

for admission to the NFS major may wish to transfer to Hunter College as liberal arts and science students. These students should follow the same transfer admission process detailed above for the following year.

CUNY students with an earned AA or AS degree in fall 2003 and after are exempt from the Core requirements of the GER but must fulfill the graduation requirements of significant writing, and pluralism and diversity. Students must have successfully completed the other prerequisites before applying as a NFS major. Transfer students who have not earned a degree, or who have earned an associate degree from a non-CUNY institution are required to complete the Hunter GER requirements in order to graduate.

REQUIREMENTS FOR GRADUATION WITH A BS IN NUTRITION AND FOOD SCIENCE (120 credits)

General Education Requirement (39-51 cr)

As students complete their GER, they should include the prerequisites for NFS, which may also be applied to the college's graduation requirements.

See GER table in the front of the catalog.

Stage 1: Academic Foundations	9 cr
Group A	3 cr
ENGL 120	
Group B	3 cr
STAT 113	
Group C	3 cr
see current list of approved courses	
Stage 2: Broad Exposure	24 cr
Group A	3 cr
ENGL 220	
Group B	6 cr
ECO 100, PSYC 100	
Group C	3 cr
see current list of approved courses	
Group D	3 cr
see current list of approved courses	

Group E 9 cr
CHEM 100-101, CHEM 120-121

Stage 3: Focused Exposure	6 cr
Group A	3 cr
see current list of approved courses	
Group B	3 cr
see current list of approved courses	
Pluralism and Diversity	0-12 cr
(because all courses used to satisfy P&D requirements may simultaneously meet other GER)	
Group A	3 cr
see current list of approved courses	
Group B	3 cr
see current list of approved courses	
Group C	3 cr
see current list of approved courses	
Group D	3 cr
see current list of approved courses	

Writing – up to 3 courses in significant writing
“W” designated courses

Allied Courses
BIOL 120, 122, 230, 280

Required DPD Courses
NFS (44 cr): NFS 131, 141, 330-331, 333, 335, 341, 342, 343, 402, 435, 441, 442, 443, 444-445

Elective Courses	10 to 22 cr
Summary	(120 cr)
Category	Credits
GER	39
Pluralism and Diversity	0-12
Writing	0-9
Allied Courses	15
NFS	44
Electives	1-22
TOTAL	120



COURSE LISTINGS

Only 100 level courses are open to all students; 200, 300, and 400 level courses are open to NFS majors only and need department permission.

NFS 131 Food Science I

Basic principles of the chemical and physical nature of foods, food sanitation and safety; the nutritional value of food in relation to storage, processing and preparation.

3 hrs, 3 cr.

NFS 141 Nutrition

Fundamentals of the science of nutrition as they apply to individuals and society.

3 hrs, 3 cr.

NFS 330 Food Science II Laboratory

Laboratory experience with the chemical and physical properties of food components.

prereqs: NFS 131, BIOL 230

coreq: NFS 331

3 hrs, 1 cr

NFS 331 Food Science II

Application of the principles of chemical and physical changes that occur during food preparation and preservation; product evaluation and meal management; laboratory preparation.

prereqs: NFS 131, BIOL 230

coreq: NFS 330

3 hrs, 3 cr.

NFS 332 Cultural Aspects of Food and Nutrition

Study of the way in which cultural, social and technological factors influence food behavior and dietary patterns.

prereqs: NFS 131, 141, AN-P 101, SOC 101

3 hrs, 3 cr.

NFS 333 Nutrition Education

Introduction to the theories and principles of the teaching-learning process in the field of nutrition.

prereqs: NFS 131, 141

3 hrs, 3 cr.

NFS 335 Institutional Management

Overview of the theories, functions and tasks of management. Discussion of labor and effective methods for directing an operation with applications drawn from food service.

prereqs: NFS 131, 141, ECO 100

3 hrs, 3 cr.

NFS 341 Advanced Nutrition I

Biochemical and metabolic functions of the nutrients. Critical review of the literature.

prereqs: NFS 141, BIOL 230, 280

3 hrs, 3 cr.

NFS 342 Nutrition and Human Development

Nutritional needs throughout the life cycle: pregnancy, infancy, childhood, adolescence, adulthood and later years.

prereq: NFS 341

3 hrs, 3 cr.

NFS 343 Medical Nutrition Therapy I

Nutrition assessment, quality care assurance, program evaluation, and professional responsibilities of dietitians in the clinical setting.

prereq: NFS 141

3 hrs, 3 cr.

NFS 361 Food and the Consumer

Food issues; food services available to the consumer; responsibilities of the private and public sectors.

prereqs: NFS 131, 141, 331, ECO 100

3 hrs, 3 cr.

NFS 401 Techniques of Communication in Nutrition

Theory/practice of communications skills for nutritionists/food scientists. Includes food demonstrations, public relations, and advertising.

prereq: NFS 333

3 hrs, 3 cr.

NFS 402 Seminar in Nutrition and Food Science

Research in nutrition and food science; examination of professional goals.

prereq: NFS 343

3 hrs, 3 cr.

NFS 431 Experimental Foods

Scientific approach to food testing; use of instruments and techniques in food and nutrition laboratories.

prereqs: NFS 331, 341

5 hrs. (2 lec, 3 lab), 3 cr.

NFS 434 Nutrition and the Elderly

Psychological, psychosocial, and economic problems of the elderly; how needs are met by government and private agencies. Application of nutrition to these problems.

pre- or coreqs: NFS 342, PSYC 100, SOC 101

3 hrs, 3 cr.

NFS 435 Food Service Systems

The organization and administration of a food service operation from the systems approach on the tactical and strategic level, stressing learning activities and competencies required by the American Dietetic Association.

prereq: NFS 335

3 hrs, 3 cr.

NFS 441 Community Nutrition

Analysis of nutrition services, legislation and policy; role and function of community nutritionists; nutrition education in a community setting.

prereqs: NFS 333, 342

3 hrs, 3 cr.

NFS 442 Medical Nutrition Therapy II

The adaptation of the diet in the therapeutic treatment of disease.

prereq: NFS 343

3 hrs, 3 cr.

NFS 443.51, 443.52, 443.54, 443.55, 443.56 Practicum in Nutrition and Food Science

Practicum in institutions, agencies, business and research firms; projects.

prereq: NFS 442

7 hrs (1 lec, 6 lab), 3 cr.

NFS 444 Advanced Nutrition II

A study of the biochemical conditions leading to disease and the interrelationship between nutrition and abnormal metabolism.

prereq: NFS 341

coreq: NFS 445

3 hrs, 3 cr.

NFS 445 Advanced Nutrition Laboratory II

Laboratory experience with basic methods of biochemical analysis and interpretation of biochemical data.

prereq: NFS 341

coreq: NFS 444

3 hrs, 1 cr.

NFS 480.31, 480.32 Independent Study in Nutrition and Food Science

prereqs: NFS 442, perm dept. chair

hrs TBA, 1-3 cr. respectively may be taken 1 or 2 sem.

NFS 490 Honors in Nutrition and Food Science

Supervised independent research project. A written report or suitable presentation is required. Proposal must be presented the semester before work is done.

prereqs: NFS 442, perm NFS coordinator

hrs TBA, 3 cr



NURSING

The Hunter-Bellevue School of Nursing

425 East 25th St., New York, NY 10010

Web site: <http://www.hunter.cuny.edu>

Director of School of Nursing: Diane Rendon,
530 Brookdale Campus West; (212)481-7596

Director of Undergraduate Programs, Generic and RN Pathways:
Joyce Griffin-Sobel, 503 Brookdale Campus West;
(212) 481-7598; (212) 481-4427 (fax)

Professors:

Nokes, Roye, Sherwen

Associate Professors:

Baumann, Griffin-Sobel, Malinski, Nickitas, Rendon, St. Hill,
Shaw, Todaro-Franceschi

Assistant Professors:

Acee, Aponte, Bernstein, Chappell, D'Amico, Hofmann, Lee,
Marrocco, Sharoff, Simon, Smith

Instructors:

Egues, McGibbon, Saladino

HEGIS Codes: 1203 (Generic); 1203.10 (RN Pathway)

The Hunter-Bellevue School of Nursing is one of the largest and most prestigious nursing schools in the country. The program of study combines liberal and professional education with a humanistic and comprehensive approach to health care. The School of Nursing offers a program leading to the bachelor of science (nursing) degree. The undergraduate program has two pathways: the Generic Pathway, for those students who do not have an RN license; and the RN Pathway, for those students who have completed a nursing program and have or are about to receive a current license to practice professional nursing in New York State. Applications to either program are available from the Hunter College Admissions Office at 695 Park Avenue, New York, NY 10065 or by calling (212) 997-CUNY or on the Web at <http://www.cuny.edu>.

An accelerated BS/MS in nursing for highly qualified RN Pathway applicants is available. Please check the nursing Web site, <http://www.hunter.cuny.edu/schoolhp/nursing/index.htm>, or the current fact sheet (available from the pre-nursing adviser or Student Services) for further information.

The undergraduate division consists of two parts: lower division (general education) and upper division (professional education). Students are considered for admission to the Generic Pathway Program for the fall semester only, and only after completing lower division courses. RN Pathway students are admitted both fall and spring. An overall college GPA of 2.8 in addition to other requirements is the minimum requirement for consideration of an application. Admission to the School of Nursing is competitive. A minimum grade of "C" must be attained for all required science, mathematics, and nursing courses. Generic Pathway students must attend during the day on a full-time basis. Only matriculated Hunter College students can apply to the Generic Pathway Program. RN Pathway students may attend during the day or evening (depending on scheduling of courses) on a full- or a part-time basis. All undergraduate nursing students are assigned a faculty member who is their academic adviser and mentor throughout the program.

APPLICATION ELIGIBILITY AND ADMISSION CRITERIA: GENERIC PATHWAY

The program is designed to be completed in four academic years by students who are admitted with no college credit and who attend full-time. How long it takes transfer or second-degree students to complete the program depends on such factors as the number of applicable transfer credits they have and the number of courses they take each semester. Generic Pathway students cannot earn the degree in the evening. Part-time attendance may result in the student's losing the pace of the upper division sequence and having to wait a year for a required course. The Generic Pathway is a full-time, daytime program.

In order to be considered for admission into the Generic Pathway Program, applicants must meet eligibility requirements and admission criteria. All students applying to the upper division Generic Nursing Pathway must have a college GPA of 2.8 or above by the end of the fall semester preceding spring application. Students who do not meet this GPA requirement are not eligible to take the National League for Nursing Pre-admission-RN Examination (administered two times in February of the spring application semester-current fee \$65) and are not eligible to apply for admission to the nursing major.

Students must complete 60 credits by the start of the semester of admission. All applicants must complete all but two prerequisite courses (ENGL 120, CHEM 100-101 including lab, CHEM 120-121 including lab, BIOL 120-122



Nursing: RN Pathway

Lower Division Requirements*

Courses	Prereqs	Coreqs	Credits
ENGL 120			3
STAT 113	MATH 101 or appropriate score on COMPASS		3
HIST (U.S.)			3
ENGL 220 or AFPRL	ENGL 120		3
PSYCH 100			3
PSYCH 150	PSYCH 100		3
CHEM 100/101 (Plus 12.5 crs. In Natural Science)			4.5
(GER) Stage 3			6
Pluralism & Diversity			12
Subtotal			43.5
Additional courses will be required to meet the 120 credits needed for graduation. See your adviser.			22.5
Total lower division			66

*Students entering Hunter with an AAS degree are required to complete Core, Pluralism and Diversity, and one writing course. Transfer students will have their transcripts evaluated upon admission by the admissions office. Courses for which equivalency is granted need not be repeated. Some courses already taken may be used to satisfy Core requirements.

Upper Division Requirements

Courses	Prereqs	Coreqs	Credits
24 credits of nursing (by Regents College Exams or a CUNY associate degree in nursing)			24
NURS 379			3
NURS 384**		NURS 379 (pre- or corequisite)	3
NURS 381	CHEM 100/101	NURS 379 (pre- or corequisite)	4.5
NURS 380	NURS 379, STAT 113		3
NURS 480		NURS 379, 384 (pre- or corequisites)	4.5
NURS 482	NURS 379	NURS 380, 381, 384, 480 (pre- or corequisites)	3
NURS Electives			9
Total upper division			54
Total for degree			120

**Meets Pluralism and Diversity Requirement/Group B
Only open to nursing majors

including lab, BIOL 230 including lab, PSYC 100 and 150, STAT 113) with a grade of “C” or better by the end of the fall semester preceding the March 1 application deadline. Students applying may take the last two prerequisite courses during the spring semester of the admission process. Prerequisite courses cannot be taken on a credit/no credit (CR/NC) basis. Proof of successful completion of courses taken in the spring must be received by the School of Nursing by July 1; otherwise the student will be ineligible to register as a nursing major at Hunter College. Since decisions are made before the spring term is completed, applicants with grades pending will be conditionally accepted until receipt of final grades.

Acceptance of the student into the major is based on the following admission criteria: composite admission score (GPA plus score on NLN

Pre-Admission-RN Examination) and completion of all admission requirements. The composite score of all students applying for admission at the same time will be rank ordered from the highest to the lowest. Students will be accepted for admission based on this ranked composite score and the completion of all other admission requirements. Additional admission requirements may be added, and students should check the latest version of admission requirements on the School of Nursing’s website, or the fact sheets. Failure to meet all admission criteria will require reapplication for the following year, with no guarantee of acceptance. Students should request a current Generic Pathway Fact Sheet, which details the admission process, from the School of Nursing. The schedule of the NLN exam dates, times and locations as well as the

current Generic Pathway Fact Sheet may be obtained from the pre-health adviser at (212) 481-4313, Hunter College Student Services or the Hunter-Bellevue School of Nursing Web site, <http://www.hunter.cuny.edu/schoolhp/nursing/index.htm>.

All generic students admitted to the program are required to submit evidence of liability insurance, health insurance, medical records with specified immunizations, and CPR certification prior to entering the first semester of the nursing major. In addition to tuition and fees, other academic year expenses for independent students include medical examination, health insurance, malpractice insurance (\$20); uniforms, equipment and other miscellaneous expenses (\$300); textbooks/supplies, transportation, housing, food and other personal expenses; NLN-Pre-Admission Exam-RN (current fee \$65); and National Student Nurses Association annual dues (\$20/year x 2yrs=\$40).

ADMISSION CRITERIA: RN PATHWAY PROGRAM

The program is designed to meet the special needs of the experienced RN student who has already completed a two- or three-year nursing program. All RN Pathway students admitted to the program are required to submit evidence of NYS RN licensure and current registration, liability insurance, health insurance, medical records with specified immunizations and CPR certification prior to entering the first semester of the nursing major.

Students awaiting their State Board licensing examination scores who have not yet been awarded the Registered Professional Nurse License are admitted conditionally. Proof of receipt of the RN license must be submitted to the School of Nursing by December 1 for students admitted in the fall and June 1 for students admitted in the spring. Students unable to document receiving the license will not be permitted to continue in the nursing major. Applicants to the RN Pathway Program must have completed 36 credits of liberal arts and sciences (including credits in progress) at an accredited college, plus the equivalent of 24 credits in nursing.

A maximum of 24 credits may be transferred for credit in the nursing curriculum upper division. CUNY transfer RN students will be granted 24 nursing credits for advanced placement. All other students admitted to the RN Pathway Program must take the Nursing Regents College Examinations (RCE’S) in Adult Nursing, Maternal and Child Nursing and Psychiatric/ Mental Health Nursing at the baccalaureate level.

A score of “C” or better is acceptable. All applicants must be licensed to practice professional nursing in New York State before the beginning of their first semester. A one-semester extension is granted for recent graduates of associate degree programs. All RN Pathway students admitted to the program are required to submit evidence of NYS Professional Nurse licensure and current registration, liability insurance,

health insurance, medical records with specified immunizations and CPR certification prior to entering the first semester of the nursing major.

Students should request a current RN Pathway Fact Sheet, which details the admission process, from the School of Nursing. The sheet may be obtained from the pre-health adviser at (212) 481-4313, Hunter College Student Services, or the Hunter Bellevue School of Nursing Web page.

PROGRESSION IN THE NURSING MAJOR

Students must receive minimum grades of C in all required courses (Generic Pathway: NURS 200, 310, 312, 331, 332, 380, 410, 412, 419, 421; RN Pathway: NURS 379, 380, 381, 384, 480, 482). Students who receive a grade of D or lower, or who fail any segment of a clinical nursing course or lab, will be allowed to repeat the course or segment only once. Students who fail a second required nursing course or clinical/lab segment will be dismissed from the nursing program. This policy applies even though a grade appeal is in progress. Students who fail the clinical portion of the course will receive an F in the course, regardless of the theory grade.

Leave of Absence Policy and Reserved Placement in a Clinical Course

A reserved placement in a clinical/field course will be held for the student for only one year from the date of the leave of absence. The School of Nursing cannot guarantee the placement for any longer period of time. It is the responsibility of the student to submit to the undergraduate program director a letter of intent, one semester prior to returning to the program and enrolling in the course (April 1 for a fall course and October 1 for a spring course). Students who fail to follow this procedure release the School of Nursing from reserving a clinical/field placement in a course for the student.

BS DEGREE (NURSING)

All graduates from both pathways are awarded a BS degree (Nursing). Graduates from the Generic Pathway are eligible to take the National Council Licensing Examination. (A student who has been convicted of a felony or misdemeanor will have to undergo investigation by the Office of Professional Discipline, which might result in licensure being withheld.) Hunter-Bellevue graduates are prepared to give first-level professional nursing care in all areas of nursing practice. The program also provides a foundation for graduate study at the master's level, which is also offered at the School of Nursing.

Nursing: Generic Pathway

Lower Division Requirements

GER	Courses	Prereqs	Coreqs	Credits
Stage 1; Group A	ENGL 120			3
Stage 1; Group B	STAT 113	MATH 101 or CPE		3
Stage 1; Group C	HIST 151, 152, or POLSC 110			3
Stage 2; Group A	ENGL 220	ENGL 120		3
Stage 2; Group B	PSYCH 100			3
Stage 2; Group B	PSYCH 150	PSYCH 100		3
Stage 2; Group C	Humanities			3
Stage 2; Group D	Arts			3
Stage 2; Group E	Natural Science CHEM 100/101 CHEM 120/121	CHEM 100/101	BIOL 120	4.5 4.5
Stage 3; Group A	Humanities, Visual or Performing Arts			3.0
Stage 3; Group B	BIOL 230	CHEM 100/101 CHEM 120/121 BIOL 120	BIOL 122	3.0
Additional required courses	BIOL 120 BIOL 122	CHEM 100/101 BIOL 120	CHEM 120/121 BIOL 230	4.5 4.5
Pluralism and Diversity				12.0
Open Electives				6
Total lower division				66

Upper Division Curriculum

Courses	Prereqs	Coreqs	Credits
NURS 200	Completion of lower div.		3
NURS 310	Completion of lower div.	NURS 200	8
NURS 331	Completion of lower div.		3
NURS 312	NURS 200, 310, 331		8
NURS 332	NURS 200, 310		3
NURS 380	NURS 200, 310		3
NURS 410	NURS 200, 310, 312, 331, 332		8
NURS electives			6
NURS 412	NURS 410		8
NURS 419	NURS 200, 310, 312, 331, 332		2
NURS 421	NURS 200, 310, 312, 331, 332, 410, 419		2
Total upper division			54
Total for degree			120

GENERAL EDUCATION REQUIREMENTS/NURSING MAJOR SEQUENCES

I. Generic Pathway

Lower Division (66 credits)

General Education Requirement:

Stage 1: Academic Foundations(9 credits)

- Group A3 cr.
English Composition: ENGL 120
- Group B3 cr.
Quantitative Reasoning: STAT 113
(pre-req: MATH 101 or appropriate score on COMPASS)*
- Group C3 cr.
US HIST 151W, HIST 152W or PLSC 110
(*Students may register for STAT 113 if they achieve a high score on the COMPASS.)

Stage 2: Broad Exposure(24 credits)

- Group A3 cr.
Survey of Literature Written in English:
ENGL 220 or other approved course(s)
- Group B6 cr.
Social Science: People and their Societies **
PSYC 100, PSYC 150
- Group C3 cr.
Humanities: Cultures and Ideas: Literature,
Philosophy, Classics
- Group D3 cr.
Visual and Performing Arts: Media, Art,
Dance, Film, Music, Theatre
- Group E9 cr.
CHEM 100-101, CHEM 120-121

**Students accepted into the Nursing Program who are required to take PSYC 100 and PSYC 150 may use these courses to satisfy Stage 2/B of the General Education Requirement.

Stage 3: Focused Exposure(6 credits)

- Group A3 cr.
Humanities or Visual and Performing Arts
- Group B3 cr.
BIOL 230
- Foreign Language Requirement:Exempt

Pluralism and Diversity Requirement (12 credits)

- Group A3 cr.
Non-European Societies
- Group B3 cr.
Non-European Groups in the USA
- Group C3 cr.
Women and/or issues of gender or sexual orientation
- Group D3 cr.
Europe

Note: Courses used to satisfy Pluralism and Diversity requirements may simultaneously meet a student's core requirements or the courses necessary for a major or minor area of study. NURS 384 meets Group B, and NURS 340 and NURS/WGS 351 meet Group C.

Writing Requirement: Up to 3 courses in significant writing ("W" designated courses)

Additional Required Courses:.....(9 credits)

- BIOL 1204.5
- BIOL 1224.5

Open Electives(6 credits)

Total GER, Other Required Courses and Open Electives66 Credits

II. RN Pathway

Lower- and Upper-Division Course Requirements

Transfer students from other colleges will have their transcripts evaluated upon admission by the Office of Admissions. Courses for which equivalency is granted need not be repeated.

Lower Division66 credits

Since most of this coursework will have been taken as part of the associate degree/RN program, the admissions office will evaluate the transcript and determine what still remains to be taken at the lower division.

Students entering Hunter with an RN/AAS degree are required to complete the core, pluralism and diversity and one writing course. Core courses required are: ENGL 120, STAT 113, US History, ENGL 220 or equivalent, PSYC 100, PSYC 150, CHEM 100-101, plus 12.5 credits of other courses in science and math, and two courses of Stage 3. All courses used to satisfy Pluralism and Diversity requirements may simultaneously meet a student's core requirements or the courses necessary for a major or minor area of study. The following nursing courses meet pluralism and diversity: Group B – NURS 384; Group C – NURS 340, NURS/WGS 351.

COURSE LISTINGS

Note: Students who fail a core prerequisite course in a nursing sequence may not proceed to the next course in the sequence without repeating the failed course. In order to continue in the Nursing major, students must receive minimum grades of "C" in all required nursing courses. Only one failed required nursing course is repeatable only once by students who have received a "D" or less. Students who fail a second required nursing course in the sequence may not repeat that course and may not continue in the major. This policy applies even though a grade appeal is in progress.

NURS 200 Introduction to Nursing

Introduction to essential theories, concepts, and values of the nursing profession. Emphasis on understanding the practice and principles of nursing. The principles of service-learning are introduced.

*prereq: completion of lower-division sequence
3 hrs, 3 cr.
offered fall*

NURS 310 Nursing I

Provides essential knowledge base for implementing the nursing process in the care of clients across the lifespan, with specific emphasis on the childbearing family. Principles of service-learning are applied.

*prereq: completion of lower-division sequence
coreq: NURS 200
18 hrs (4 lec, 14 lab), 8 cr.
offered fall*

NURS 312 Nursing II

Provides knowledge base for effective nursing care of clients from childhood through young adulthood. Community engagement learning experiences supporting the principles of service-learning are included.

*prereqs: NURS 200, 310, 331
18 hrs (4 lec, 14 lab), 8 cr.
offered spring*

NURS 331 Essentials of Pharmacology

Presents essential pharmacological information for nursing care of clients of all ages.

*prereq: completion of lower-division sequence
3 hrs, 3 cr.*

NURS 332 Normal and Therapeutic

Nutrition in the Nursing Process

Presents principles of normal and therapeutic nutrition throughout the developmental life cycle.

*prereqs: lower division sequence, NURS 200, 310
3 hrs, 3 cr.*

NURS 379 Nursing and Societal Forces in the Health Care Delivery System

Open to RN Pathway students only. This is the first course in the RN Pathway curriculum and must be taken prior to or in conjunction with other required nursing courses depending on the pre/corequisites of the courses. Exploration of health care dilemmas through the integration of knowledge from nursing, social sciences and public health. Principles of service-learning are introduced.

3 hrs, 3 cr.

NURS 380 Nursing Research and Theory
Introduction to theory development and research in nursing.

prereqs for Generic Pathway: NURS 200, 310
prereqs for RN Pathway: NURS 379, STAT 113
3 hrs, 3 cr.

NURS 381 Health Assessment Throughout the Lifespan

Open to RN Pathway students only. Analysis of normal patterns of wellness for individual clients with emphasis on development of assessment skills.

prereqs: CHEM 100-101
pre- or coreq: NURS 379
6 hrs (3 lec, 3 lab), 4.5 cr.

NURS 384 Nursing Culturally Diverse Families

PD/B

Open to RN Pathway students only. Explores the interrelationships between sociocultural factors and health care practices of families from diverse cultures as a basis for nursing practice. Principles of service-learning are reflected in the culturally competent interventions.

pre- or coreq: NURS 379
3 hrs, 3 cr.

NURS 410 Nursing III

Provides a knowledge base for effective nursing care of middle-aged clients. Concepts and principles of service-learning are discussed and integrated into a professional practice paradigm.

prereqs: NURS 200, 310, 312, 331, 332
18 hrs (4 lec, 14 lab), 8 cr.
offered fall

NURS 412 Nursing IV

Provides knowledge base for effective nursing care of elderly clients. Principles of service-learning are integrated into selected community experiences to promote civic engagement.

prereq: NURS 410
18 hrs (4 lec, 14 lab), 8 cr.
offered spring

NURS 419 Nursing Management and Leadership in the Health Care System

Study of principles of nursing management, leadership, and research processes in health care system.

prereqs: NURS 200, 310, 312, 331, 332
2 hrs, 2 cr.
offered spring

NURS 421 Nursing and Society

Analysis of issues and trends in nursing and health care from societal perspective, including opportunities for collaborative practice through service-learning.

prereqs: NURS 200, 310, 312, 331, 332, 410, 419
2 hrs, 2 cr.
offered spring

NURS 480 Promotion of Wellness in the Community

Open to RN Pathway students only. Examination of family and community patterns as they relate to individual clients of all ages. Principles of service-learning are used in community-based clinical experiences to promote civic engagement.

pre- or coreqs: NURS 379, 384
7.5 hrs (3 lec, 4.5 practicum), 4.5 cr.

NURS 482 Advancement of Roles and Relationships in Professional Nursing

Open to RN Pathway students only. Explores the roles and relationships in nursing with a focus on leadership as the key to the professionalization of nursing. Principles of service-learning are reflected in the ongoing development of the professional role. This is the last course in the RN Pathway Program.

prereq: NURS 379
pre- or coreqs: NURS 380, 381, 384, 480
3 hrs, 3 cr.

ELECTIVES

NURS 340 Women's Health

PD/C

Designed to identify and analyze those factors which impact on the health status of women: biological, sociological, psychological, environmental, political.

3 hrs, 3 cr.

NURS 342 Ethical Issues in Nursing Practice

Open to RN Pathway and senior Generic Pathway students only. Examines ethical issues which arise from the practice of nursing in an interpersonal, professional, institutional and social context of diverse and competing values.

3 hrs, 3 cr.

NURS 343 Patterns of Biological Disruptions

Emphasizes biological disruptions that are pathobiological and their influence on levels of wellness across the life span. Strongly recommended for Generic Pathway seniors.

3 hrs, 3 cr.

NURS 345 HIV/AIDS: An Interdisciplinary Perspective for Health Care Providers

Examines the impact of the HIV epidemic on the biological, psychological and social dimensions of persons affected by HIV/AIDS.

3 hrs, 3 cr.

NURS 350 Independent Study in Nursing

An opportunity to explore a topic relevant to nursing which is of individual interest.

1-3 hrs, 1-3 cr.

NURS 351/WGS 351 Gender, Science and Technology

PD/C

Explores the complex relationship between women and the sciences.

3 hrs, 3 cr.

NURS 384 Nursing Culturally Diverse Families

PD/B

For Generic Pathway students. Explores the interrelationships between sociocultural factors and health care practices of families from diverse cultures as a basis for nursing practice.

3 hrs, 3 cr.

NURS 399.98 Urban Disaster Response and the Health Care Team

Provides the student with an understanding of the causes, prevention, and mitigation of disasters and insight into the disaster management system nationally and locally. The course will include content relevant to all disciplines in the disaster care continuum and focus on each individual health care member's role and responsibilities within these systems.

3 hrs, 3 cr.

NURS 346 Death and Dying

P/D B

Provides an overview of current theories, concepts, and practices associated with death, dying and end-of-life care.

3 hrs, 3 cr.

NURS 440 Stress Management for Nurses

An overview of stress and its effect upon behavior within the framework of the holistic man-wellness model.

3 hrs, 3 cr.

NURS 441 Selected Studies in Nursing Research

Honors course. Utilization of basic knowledge in nursing research to critique and interpret studies and discuss their relevance and application in nursing.

prereqs: NURS 310, 312, 331, 332, 380, 381
3 hrs, 3 cr.

NURS 442 Nursing Care of Acute and Critically Ill Clients

Examination of nursing knowledge and roles in caring for acute and critically ill clients and their families.

3 hrs, 3 cr.

NURS 445 Teaching-Learning Across the Developmental and Health Continua

Pedagogical/androgogical principles of learning and instruction to enhance client teaching in the promotion, maintenance and/or restoration of health.

3 hrs, 3 cr.

NURS 450 Computer Concepts and Application in Nursing

Study of computing concepts, principles, practices, and applications in nursing and health care.

3 hrs, 3 cr.

NURS 483 Politics of Health

An analysis of the relationships between politics and health status, health services and health care providers.

3 hrs, 3 cr.