MISSION STATEMENT
The faculty acknowledges, supports and endorses the college’s mission and goals which are reflected in the mission of the Nursing Program. The Bronx Community College Registered Nursing Program serves students of diverse backgrounds, preparations and aspirations by providing a rigorous nursing education that addresses current nursing practice. The program prepares the entry-level Registered Nurse (RN) to provide safe, quality, evidence-based nursing practice to diverse patient/client populations in diverse health care settings.

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Phone: 718.289.5425
Website: http://www.bcc.cuny.edu/Nursing/

Professor and Chairperson: Deborah Morris
Deputy Chairperson and Professor: Ellen Hoist
Professors: H. Papas-Kavalis, V. Mishkin
Associate Professors: G. Burghart, V. Bernard, C. Carew-Joyner, D. Goetz, M. Jones, K. Harris, R. Panettieri,
Assistant Professors: C. Gordon, P. Green, S. Mais-Jeter, C. Mbewe, A. Ortiz, A. Shabazz, E. Williams-Woodley
Lecturer: C. Hodge
Approximately 10 adjuncts per semester
Chief CLT: G. Schelberger
Adjunct CLT: E. Martin

CERTIFICATE AND DEGREE PROGRAMS
Licensed Practical Nursing, Certificate
Registered Nursing, A.A.S.
Radiologic Technology, A.A.S.

COURSES
Clinical Education (CLE)
Nursing (NUR)
Nutrition (NTR)
Pharmacology (PHM)
Practical Nursing (PNR)
Radiologic Technology (RAD)

R.N. Program Advisory Committee
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Jacobi Medical Center
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Department of Nursing and Allied Health Sciences
Vera Joseph, M.A., C.N.A.A., R.N., Director of Nursing
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Nancy Lacen, RN
Staff Development/Nursing School Affiliations Coordinator
James J. Peters VA Medical Center
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Education and Professional Development; Clinical Affiliations
St. Barnabas Hospital
Jitinder Walia, Executive Director
Bronx Community College, Child Development Center

Licensed Practical Nursing Certificate Program Advisory Board
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LPN Advisory Board
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Wanda Mayo*, B.S.N., RN, Assistant Nurse Manager, Community Living Center, James J. Peters VA Medical Center  

Radiologic Technology Advisory Committee  
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BCC Radiologic Technology, Program Director  

Lois Augustus, M.A., R.N., (Retired),  
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Roy Thompson, (R) (MR) (M), Chief Technologist  
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Geraldine Burghart, M.A., R.T. (R) (MR) (M) Clinical Coordinator  
BCC Radiologic Technology Program  

Donna Goetz, M.S., R.T. (R) (M), Associate Professor  
BCC Radiologic Technology  

Andrew Worhel, Chief Technologist  
Department of Radiology, Montefiore Medical Center  

Larry Kassen, Radiology Manager  
Department of Radiology, Jacobi Medical Center  

Christopher Etienne, Radiology Manager  
Department of Radiology, Montefiore North  

*BCC Alumna  

Notice of Changes  
The Nursing and Allied Health Sciences Department reserves the right to make modifications of any nature in the academic programs without notice.  

LICENSED PRACTICAL NURSING  
Certificate Program  
Department of Nursing and Allied Health Sciences  
The Licensed Practical Nursing Program (LPNP), a program within the Department of Nursing and Allied Health Sciences, is an evening and weekend 56-credit certificate program with 22 transferable Nursing credits to the RN program at BCC. Upon successful completion of the required coursework, students are eligible to sit for the New York State National Council Licensure Examination for Practical Nurses (NCLEXPN).  

To be eligible for admission into practical nursing course work (PNR designated courses), students must:  
• Have achieved a passing score on both the CUNY/ACT Reading and Writing Skills Assessment Tests.  
• Score a 35/40 on M1 Arithmetic and M2 Algebra of the Math COMPASS or CUNY Exemption  
• A cumulative GPA of 2.70 must be obtained, with a minimum grade of C or better in COMM 11, ENG 10 or 11, PSY 11. If a student has earned a passing grade of “C-”, “D+”, “D”, “D-” or a failing grade of “F” or “WU” in COMM 11, ENG 10 or 11, or PSY 11, the student will not be eligible for admission into the Licensed Practical Nursing Program (LPNP) even if she/he retakes the course. A “C+” or better is required in BIO 23. BIO 23 may be repeated once to achieve a grade of “C+” or better. This policy also applies to students who transfer into BCC’s LPNP from other institutions.  
• Complete all remediation courses per CUNY policy.  
• BCC students out for one year or more will be held to the new standards.  
• Transfer students from other institutions must be in good academic standing. Students who are on academic probation, have failed out of a nursing program, or have been dismissed (ethical, integrity or safety issues) from any nursing program at a previous school (LPN/RN) are not eligible for admission to the BCC Licensed Practical Nursing (LPN) Program.  

Further requirements include a percentile score of Basic 55 or higher to Proficient or better on the ATI TEAS V Examination. Admission to the Licensed Practical Nursing Program is very competitive and priority is given to students with the highest GPA.  

While in the program, students must maintain a grade of “C+” in all PNR courses and a “C” in supporting course work (BIO 24, BIO 28, NTR 11, and PHM 11). Students may repeat each supporting course with a grade of “C-” or less once in order to achieve a “C” grade.  

Progression Requirements  
• All PNR courses required for graduation must be taken within three years from the date of admission into the program.  
• Practical Nursing (PN) students may not repeat any first-semester PNR course (PNR 11, PNR 12, PNR 13) in which they have earned less than a grade of “C+”.  
• A PN student with a grade of “C-” or less may repeat two different PNR courses (PNR 21, 31, 41-45).
Students must provide documentation for one of the following categories:

2. Permanent Residency.
3. International Student with F1 Status.

In addition to College tuition and book costs the student is required to:

1. Be medically cleared through the College's Health Services Office.
2. Have completed Basic Cardiac Life Support (BCLS).
3. Purchase malpractice insurance through the College.
4. Be prepared to pay the cost for taking competency exams at the end of each clinical semester and the cost of the New York State Board NCLEX-PN Examination at the completion of the program for NYS Licensure (cost is approximately $335.00).

Some courses are offered online, as distance learning courses. Computer access is available for student use on campus.

**CLINICAL NOTE:** As a policy of the clinical facility, nursing students may be subject to substance abuse screening and criminal background checks in order to practice in certain clinical settings.

**Licensed Practical Nursing Curriculum**

56 Credits required for Certificate

Director: Prof. Ellen Hoist, M.S., R.N.

**Pre-Clinical Sequence**

- **ENG 10** Fundamentals of Composition and Rhetoric OR **ENG 11** Composition and Rhetoric I (3 Credits)
- **COMM 11** Fundamentals of Interpersonal Communication (3 Credits)
- **PSY 11** Introduction to Psychology (3 Credits)
- **BIO 23** Human Anatomy and Physiology (4 Credits)

**TOTAL 13**

**First Semester**

- **PNR 11** Nursing Skills I (2 Credits)
- **PNR 12** Mental Health Concepts (2 Credits)
- **PNR 13** Practical Nursing Arts (4 Credits)
- **BIO 24** Human Anatomy and Physiology II (4 Credits)
- **NTR 11** Nutrition in Physical and Emotional Disorders (3 Credits)

**TOTAL 15**

**Second Semester**

- **PNR 21** Nursing Skills II (1 Credit)
- **PNR 22** Medical Surgical Nursing I (4 Credits)
- **PHM 11** Pharmacology as Applies to Health Sciences (3 Credits)
- **BIO 28** Microbiology and Infection Control (4 Credits)

**TOTAL 12**

**Summer Session**

- **PNR 31** Medical Surgical Nursing II (4 Credits)

**TOTAL 4**

**Third Semester**

- **PNR 41** Nursing Skills III (1 Credit)
- **PNR 42** Psychiatric Nursing (2 Credits)
- **PNR 43** Pediatric Nursing (4 Credits)
- **PNR 44** Maternal Child Nursing (4 Credits)
- **PNR 45** Vocational Adjustment and Leadership (1 Credit)

**TOTAL 12**

**NURSING**

**Associate in Applied Sciences Degree | Career Program**

**Department of Nursing and Allied Health Sciences**

The A.A.S. nursing degree program is registered by the New York State Department of Education and a member of the National League for Nursing.

**Accreditation Information**

Accredited by Accreditation Commission for Education in Nursing, Inc. (ACEN); formerly NLNAC, National League for Nursing Accrediting Commission, Inc.

3343 Peachtree Rd. NE, Suite 850
Atlanta, GA 30326
1-400-975-5000
www.acenursing.org

Approved by the State Education Department

The University of the State of New York
89 Washington Avenue
Albany, New York 12234
(518) 486-2967
HEGIS Code: 5208.10

Member of The National League for Nursing (NLN)

The National League for Nursing
The Watergate 2600 Virginia Avenue, NW 8th Floor
Washington, DC 20037
800 669-1656
http://www.nln.org/aboutnln/blast/blast
Academic Requirements

Academic requirements for all students who want to apply for entry into the Registered Nursing (RN) Program include:

- A passing score on both the CUNY/ACT Reading and Writing Skills Assessment Tests.
- To be eligible for PHM 10, the student must be exempt from MTH 5 (including 40 or above on M2 on the CUNY COMPASS Exam) or has a grade of “C” or better, or a grade of “P” in MTH 5.
- Students must achieve a cumulative GPA of 2.70, with a minimum grade of “C” or better in COMM 11, ENG 10 or 11, PSY 11 and “C+” or better in BIO 23 and PHM 10. If a student has earned a passing grade of “C-”, “D+”, “D”, “D-” or a failing grade of “F” or “WU” in COMM 11, ENG 10 or 11, or PSY 11, the student will not be eligible for admission into the registered nursing program (RN), even if she/he retakes the course. This also applies to students who transfer into BCC’s Nursing program from other institutions. PHM 10 and BIO 23 must be passed with a “C+” or better. These courses can only be repeated once to achieve that grade. BCC students absent for one year or more will be held to the new standards.

NOTE: An attempt is defined as having registered in the course for at least 3 weeks, appeared on the roster and received any grade (academic or administrative).

TEAS V Examination

Effective Fall 2013, the Bronx Community College (BCC) RN Nursing Program will be administering the TEAS V Admissions Examination for students interested in entering into the program for the Spring 2014 semester. The National League for Nursing PAX-RN Examination will no longer be administered for admission into the program after Spring 2013. Students who have a valid PAX-RN score will not be required to take the TEAS V. PAX-RN passing results (no older than two [2] years) will be honored until Spring 2015 for admission into the program. Students who are unsuccessful on the Spring 2013 PAX-RN examination will be required to take the TEAS V examination.

To be considered for admission into the BCC RN Nursing Program, applicants must obtain an individual score within the “Proficient “range. The TEAS V examination may be repeated provided the applicant participates in the Assessment Technologies Institute (ATI) testing remediation program before repeating the TEAS V examination.

The TEAS V examination is a multiple-choice test that evaluates essential academic skills: Math, Science, Reading and English. It is recommended that applicants review Biology, Chemistry, and Math content in preparation for taking the TEAS V examination. Assessment Technologies Institute, INC. (ATI) testing, the author of the TEAS V examination, has study materials and programs available for interested students.

The test will take approximately 3½ hours to complete. Testing fees are not refundable. Information about ATI is available at: https://atitesting.com/Home.aspx

The testing schedule will be published each semester. The initial testing must be completed at Bronx Community College. TEAS V Scores from another institution are not accepted.

Additional Admission Information

Admission into the RN Program’s nursing (NUR) courses is based on the approved priority list posted in the Nursing Department. Admissions are competitive and meeting the above requirement is not a guarantee of placement. Requirements for admission must be met by mid-November for admission into the following spring semester and mid-May for admission into the following fall semester. Candidates for admission must contact the Admissions Coordinator for the RN Program in the Nursing Department and declare intent to be admitted.

Returning Students

Students who have withdrawn from the program and wish to return to the clinical sequence must:

- be in good academic standing;
- be able to complete the clinical program within five years from the date of entry into the clinical sequence and meet current progression criteria; and
- have completed BIO 23, BIO 24, BIO 28, and PHM 10 within seven years of the date of re-admission into the clinical sequence.
- BCC students absent for one year or more will be held to the new standards.

A returning student who cannot meet the time requirements as stated above must reapply to the program and be subject to the current admission criteria.

Transfer Students

Transfer students from other institutions must be in good academic standing. Students who are on academic probation, have failed out of a nursing program, or have been dismissed (ethical, integrity or safety issues) from any nursing program at a previous school are not eligible for admission to the BCC Registered Nursing (RN) Program.

The nursing program does not accept transfer credits for nursing or pharmacology courses taken at other colleges. In addition, Biology courses that are seven or more years old will not be accepted by the nursing program. Transfer grades are not posted on the BCC transcript and must be provided at the student’s request to the College’s Office of Admission and sent to the nursing program for entry into the nursing student’s file.

Any student transferring in credits from another accredited college cannot receive a combined total of more than 30 credits of advanced standing and/or examination.

Advancement into The Nursing Clinical Sequence

Effective in the Fall 2009 semester, in order to advance into nursing clinical sequence, students must provide documentation for one of the following categories:

2. Permanent Residency.
3. International Student with F1 Status.

The Department of Nursing offers instruction in clinical experience in a variety of hospitals, healthcare facilities and community agencies in the Bronx and easily accessible areas.
Criminal Background Checks
Current laws generally permit a state licensing board or agency to deny a license to practice nursing if the applicant has been convicted of a felony or other specified crime. Like many state licensing boards, the Office of the Professions of the New York State Education Department requires that a criminal background check be conducted prior to granting a license to practice nursing.

The Department of Nursing and Allied Health Sciences at Bronx Community College does not require a criminal background check for admittance, but the department’s educational requirements include placement at one or more hospitals or other off-campus clinical training sites. These sites frequently require a student to undergo a criminal background check before the student can be placed for clinical training. If, based upon the results of a criminal background check, the site determines that a student’s participation in its clinical training program would not be in the best interest of the site, the site may deny that student admission to the training program. Even if the student has already begun the placement when the results are received, the site may elect to dismiss the student, regardless of the student’s performance while in the training program. Each clinical training site that requires a criminal background check sets its own standards and procedures, and you may be asked by the site to pay the cost of the background check. Please note that if a clinical training site determines that you may not take part in its clinical training program based on the results of a criminal background check, you may be unable to complete your course requirements and to continue in the nursing program. It is important for you to consider this before you enroll in the nursing program. Bronx Community College has no obligation to refund your tuition or fees or to otherwise accommodate you in the event you are ineligible to complete your course requirements based on the results of a criminal background check, or if you are denied a license to practice nursing.

Please note that some of the facilities used by the nursing department may require screening for substance abuse. If this is a mandate of the clinical facility the student must comply. Failure to comply or a positive finding will result in the student having to withdraw from the nursing courses they are registered in at the time of the finding. No alternate clinical placement will be done.

Legal Limitations for State Licensure
A student who has charges pending or has ever been convicted of a felony or misdemeanor and/or has been found guilty of professional misconduct, unprofessional conduct or negligence may enter the nursing program. The student may sit for the professional licensing examination after completing the program. However, the student may or may not be rendered a permit to practice and/or receive the registered professional nurse license following review of the student’s Application for License and First Registration by the Regents of the University of the State of New York.

Basic Life Support (BLS)
Certification by the American Heart Association is required of all nursing students and must remain current. Health Clearance for Nursing must be completed each semester.

Health Requirements
The nursing program requires a specific detailed physical examination that exceeds the college requirements for physical examination and immunizations. These requirements comply with the New York State Department of Health regulations and must include immunization titers. The physical examination form is available in the Nursing Department.

Students who become ill, disabled or pregnant during clinical enrollment must provide current medical clearance before continuing the clinical portion of the program. Students with disabilities must notify the Disabilities Services Office in Loew Hall, room 215, before any accommodation in a specific nursing course can be considered.

Progression Requirements
- PHM 10, BIO 23, BIO 24, and BIO 28 must be taken within seven (7) years of the clinical sequence.
- All nursing (NUR) courses required for graduation must be passed with a grade of “C+” or better within five years of entry into the clinical sequence.
- A nursing student may repeat one Nursing (NUR) course, excluding Level I Courses (Gerontological Nursing and Nursing Care Across the Lifespan I).
- Nursing students who do not achieve a “C” or better in two Nursing (NUR) courses Nursing Care Across the Lifespan level II-IV may not continue in the program.

NOTE: An attempt is defined as having registered in the course for at least 3 weeks, appeared on the roster and received any grade (academic or administrative).

NCLEX-RN Examination
Graduates of the Nursing program are eligible to take the R.N. Licensure Examination (NCLEX-RN) given by the State of New York. Nursing students are required to pay for the NCLEX-RN Examination. The cost is approximately $335.

Transfer and Articulation
The Nursing A.A.S. degree program articulates with SUNY Empire State College, Lehman College, The College of Staten Island and Mercy College. Eligible graduates may also transfer 60 credits to other senior colleges in The City University of New York or enroll in other colleges to continue study for baccalaureate and higher degrees.
**Nursing Curriculum (Pathways)**
Curriculum Coordinator: Professor Deborah C. Morris
67 Credits required for A.A.S. Degree

**Required Core**
A. English Composition
   - ENG 10 Fundamentals of Composition and Rhetoric OR ENG 11 Composition and Rhetoric (3 Credits)

B. Life and Physical Sciences
   - BIO 23 Human Anatomy and Physiology I (4 Credits)

C. Life and Physical Sciences
   - BIO 24 Human Anatomy and Physiology II (4 Credits)
   - CHM 17 Fundamentals of General Chemistry I (4 Credits)

**Flexible Core**
A. World Cultures and Global Issues
   - SOC 11 Sociology (3 Credits)

B. Individual and Society
   - COMM 11 Fundamentals of Interpersonal Communication (3 Credits)

C. Scientific World
   - BIO 24 Human Anatomy and Physiology II (4 Credits)
   - CHM 17 Fundamentals of General Chemistry I (4 Credits)

**Required Areas of Study**
- ART 10 Art Survey OR MUS 10 Music Survey (1 Credit)
- PEA Physical Education—one activity course (1 Credit)
- PHM 10 Pharmacology Computations (2 Credits)
- PSY 11 Introduction to Psychology (3 Credits)

**Specialization Requirements**
- BIO 28 Microbiology and Infection Control (4 Credits)
- NUR 41 Nursing Process and Therapeutic Communication (2 Credits)
- NUR 42 Fundamental Skills in Nursing (4 Credits)
- NUR 43 Mental Health Nursing (4 Credits)
- NUR 44 Nursing of the Adult I (4 Credits)
- NUR 45 Maternal, Newborn and Women’s Health (4 Credits)
- NUR 46 Nursing of the Adult II (4 Credits)
- NUR 47 Pediatric Nursing (4 Credits)
- NUR 48 Nursing of the Adult III (4 Credits)

**Electives**
- To complete the required 67 credits (5 Credits)

Choose from Art, Astronomy, Biology, Chemistry (CHM 18), Communication, Computer Literacy I (CPL 11), English, Health and Physical Education, History (HIS 10 OR HIS 11), Probability and Statistics (MTH 23), Modern Language, Music, Nutrition in Physical and Emotional Disorders (NTR 11), Pharmacology as It Applies to Health Sciences (PHM 11), OR a Social Sciences course.

**Health Requirements**
- All nursing students must meet special health requirements to practice in clinical agencies.

**Additional Requirements**
- Substance abuse screening and a criminal background check may be required of students by certain clinical agencies. Positive findings will result in dismissal of the student from that agency.

**Nursing Fast Track**
- Qualified Licensed Practical Nurses (LPN) who apply to the A.A.S. program in Nursing must meet the following requirements:
  1. Possess a current New York State LPN license in good standing.
  2. Meet all requirements for admission to the clinical phase of the program, including a grade of “C+” in PHM 10.
  3. Obtain admission to Bronx Community College via the Department of Nursing and Allied Health Sciences within the first semester of attending BCC.
  4. Pass the National League for Nursing (NLN) Profile examinations.
  5. Submit proof of one year’s work in an acute care medical/surgical environment within three years prior to filing the application. Students admitted to the RN Fast Track may receive course credit, based on examinations, for:
     - NUR 41 Nursing Process and Therapeutic Communication (2 Credits)
     - NUR 42 Fundamental Skills in Nursing (4 Credits)
     - NUR 44 Nursing of the Adult I (4 Credits)
     - NUR 45 Maternal, Newborn and Women’s Health (4 Credits)

**RN Pathway Option for BCC LPN Graduates Only**
Graduates who meet all other requirements for entry into the clinical phase of the RN program and who have achieved a 2.7 GPA or better in the BCC LPN Program; passed the NCLEX-PN Exam with License granted; completed a satisfactory interview; and received recommendation of LPN faculty shall be admitted to the RN Pathway and receive 22 credits.

With the above exceptions, core requirements, required areas of study and specialization requirements are as stated in the description of the Nursing Curriculum for A.A.S. degree. All N.Y. State LPN’s (Licensed Practical Nurses) entering the RN Fast Track and the RN Pathway are required to take NUR 10, which is part of the pre-clinical course sequence.

**NOTE:** All Nursing (NUR) courses required for graduation must be successfully completed within a five-year time span. The minimum acceptable grade in Nursing (NUR) courses is “C+.” A nursing student may repeat one Nursing (NUR) course, excluding Level I Courses (Gerontological Nursing and Nursing Care Across the Lifespan I). Nursing students who do not achieve a “C+” or better in two Nursing (NUR) courses Nursing Care Across the Lifespan level II-IV may not continue in the program.
NURSING (PRE-PATHWAYS)

If you began studying at BCC in or after Fall 2013, Pathways applies. Pathways also applies to students who have returned to CUNY after an absence of more than one semester. If you are a continuing student who entered before Fall 2013, you will be able to choose whether you remain with your existing requirements or change to Pathways. You should consult with an academic advisor.

Nursing Curriculum
67 Credits required for A.A.S. Degree

Core Requirements
- ENG 10 Fundamentals of Composition and Rhetoric OR ENG 11 Composition and Rhetoric I (3 Credits)
- COMM 11 Fundamentals of Interpersonal Communication (3 Credits)
- PSY 11 Introduction to Psychology (3 Credits)
- PHM 10 Pharmacology Computations (2 Credits)
- BIO 23 Human Anatomy and Physiology I (4 Credits)
  TOTAL 15

Required Areas of Study
- ART 10 Art Survey OR MUS 10 Music Survey (1 Credit)
- CHM 17 Fundamentals of General Chemistry I (4 Credits)
- SOC 11 Sociology (3 Credits)
- PEA Physical Education (one activity course) (1 Credit)
  TOTAL 9

Specialization Requirements
- BIO 24 Human Anatomy and Physiology II (4 Credits)
- BIO 28 Microbiology and Infection Control (4 Credits)
- NUR 41 Nursing Process and Therapeutic Communication (2 Credits)
- NUR 42 Fundamental Skills in Nursing (4 Credits)
- NUR 43 Mental Health Nursing (4 Credits)
- NUR 44 Nursing of the Adult I (4 Credits)
- NUR 45 Maternal, Newborn and Women's Health (4 Credits)
- NUR 46 Nursing of the Adult II (4 Credits)
- NUR 47 Pediatric Nursing (4 Credits)
- NUR 48 Nursing of the Adult III (4 Credits)
  TOTAL 38

Students receiving less than a grade of “C” in NUR 41/42 may not remain in the Program.

ELECTIVES
- To complete the required 67 credits (5 Credits)
  Choose from Art, Astronomy, Biology, Chemistry (CHM 18), Communication, Computer Literacy I (CPL 11), English, Health and Physical Education, History (HIS 10 OR HIS 11), Probability and Statistics (MTI 23), Modern Language, Music, Nutrition in Physical and Emotional Disorders (NTR 11), Pharmacology as it Applies to Health Sciences (PHM 11), OR a Social Sciences course.
  TOTAL 5

NOTE: At least two courses must be taken from a list designated as “Writing Intensive” as published each semester in the Registration Guide and Schedule of Classes.

Health Requirements - All nursing students must meet special health requirements to practice in clinical agencies.

Additional Requirements - Substance abuse screening and a criminal background check may be required of students by certain clinical agencies. Positive findings will result in dismissal of the student from that agency.

Nursing Fast Track
Qualified Licensed Practical Nurses (LPN) who apply to the A.A.S. program in Nursing must meet the following requirements:

1. Possess a current New York State LPN license in good standing.
2. Meet all requirements for admission to the clinical phase of the program, including a grade of “C+” in PHM 10.
3. Obtain admission to Bronx Community College via the College Office of Admissions. Application for the Fast Track Program must be filed in the Department of Nursing and Allied Health Sciences within the first semester of attending BCC.
4. Pass the National League for Nursing (NLN) Profile examinations.
5. Submit proof of one year’s work in an acute care medical/surgical environment within three years prior to filing the application. Students admitted to the RN Fast Track may receive course credit, based on examinations, for:
   - NUR 41 Nursing Process and Therapeutic Communication (2 Credits)
   - NUR 42 Fundamental Skills in Nursing (4 Credits)
   - NUR 44 Nursing of the Adult I (4 Credits)
   - NUR 45 Maternal, Newborn and Women’s Health (4 Credits)
  TOTAL 14

Any student transferring in credits from another accredited college cannot receive a combined total of more than 30 credits of advanced standing and/or examination.

RN Pathway Option for BCC LPN Graduates Only
Graduates who meet all other requirements for entry into the clinical phase of the RN program and who have achieved a 2.7 GPA or better in the BCC LPN Program; passed the NCLEX-PN Exam with License granted; completed a satisfactory interview; and received recommendation of LPN faculty shall be admitted to the RN Pathway and receive 22 credits.

With the above exceptions, core requirements, required areas of study and specialization requirements are as stated in the description of the Nursing Curriculum for A.A.S. degree.

All N.Y. State LPN’s (Licensed Practical Nurses) entering the RN Fast Track and the RN Pathway are required to take NUR 10, which is part of the pre-clinical course sequence.

- NUR 10 Transition in Nursing (1 Credit)

NOTE: All Nursing (NUR) courses required for graduation must be passed with a “C+” or better within five years of entry into the clinical sequence of the nursing program.
RADIOLOGIC TECHNOLOGY
Associate in Applied Sciences Degree | Career Program
Department of Nursing and Allied Health Sciences

A radiologic technologist is a skilled professional who provides a specialized health care service. This rewarding profession involves the operation of sophisticated equipment in a rapidly expanding field. The Radiologic Technology Program in the Department of Nursing and Allied Health Sciences at Bronx Community College prepares students as entry-level qualified licensed and registered radiographers.

The term “diagnostic radiography” is used to describe a variety of radiographic or x-ray examinations. Most people are familiar with chest x-rays and also x-rays to diagnose broken bones. The radiographer performs these procedures as well as those which require the use of contrast agents that make it possible to study organs that otherwise cannot be seen.

Admission requirements for Radiologic Technology curriculum include:

- Complete all required remediation and successfully pass all CUNY Skills Assessment Tests.
- Achieve a minimum grade of C+ in BIO 23 and MTH 13 by the conclusion of spring semester prior to entry. The Radiologic Technology Program only admits students in the fall.
- Possess a pre-clinical course sequence average of 2.77 or higher in ENG 10/11, HIS 10/11, COMM 11, PSY 11 and PEA. Students who have completed these courses at another college will have to submit their transcripts. It is recommended that ENG 10/11, HIS 10/11, COMM 11, PSY 11, BIO 24, and PEA be completed prior to entry to the Radiologic Technology course work (RAD and CLE designated courses).
- Pre-radiologic technology students are allowed two attempts to achieve a C+ in BIO 23 (Human Anatomy and Physiology I) and MTH 13 (Trigonometry and College Algebra). A grade of W (official withdrawal) will not count as an attempt in these two courses. A minimum grade of C+ in these courses is a requirement for admission into the Radiologic Technology Program. The Radiologic Technology Program’s Committee on Admissions and Waivers has the right to allow the student an additional attempt when there is evidence of extenuating circumstances. Extenuating circumstances need to have legal and/or official documentation and must be presented to the Committee on Admissions and Waivers before a waiver will be granted.

Radiologic Technology (RAD, CLE) courses are open only to Radiologic Technology majors.

The Radiologic Technology Program is accredited by the Joint Review Committee on Education in Radiologic Technology and the New York State Department of Health. The Joint Review Committee on Education in Radiologic Technology 20 N. Wacker Drive, Suite 2850 Chicago, IL 60606-3182 Phone: (312) 704-5300 | Fax: (312) 704-5304 http://www.jrcert.org/

Students receive their clinical education at Montefiore Medical Center, Jacobi Medical Center, New York Presbyterian Hospital, or Montefiore Wakefield Division. All facilities are accessible by public transportation.

Upon successful completion of the program, students are eligible for the national and state certifying examinations. Graduates may go on to earn a higher degree in radiological health sciences. Graduates have a wide selection of clinical settings to choose from, including hospitals and medical centers, out-patient imaging facilities, public health institutions, and government and private research institutes that require radiographers.

Mission Statement
The mission of the Bronx Community College Radiologic Technology program is to graduate competent radiographers who are eligible for taking the examination of the American Registry of Radiologic Technologists.

Program Goals and Student Learning Outcomes

Goal 1: Students will be clinically competent radiographers who demonstrate sound reasoning and competent care

Student Learning Outcomes:
- Students will be able to perform radiographic examinations.
- Students will demonstrate effective patient care skills.
- Students will utilize the principles of ALARA to protect the patient, themselves, and general public from unnecessary radiation

Goal 2: Students will demonstrate growth in ethical behavior in accordance with professional standards over the course of the program.

Student Learning Outcomes:
- Students will conduct themselves in accordance with professional standards.
- Students will work as effective members of the health care team.

Goal 3: Students will demonstrate a progression of technical skills accompanied by critical thinking, communication, and problem solving skills in the practice of diagnostic radiography.

Student Learning Outcomes:
- Students will be able to apply alternate methodologies for trauma and non-conforming patients.
- Students will apply sound judgment when performing pediatric radiography.
- Students will demonstrate oral communication skills cultural diversity.
- Students will demonstrate effective written communication.
- Students will be able to recognize and modify diagnostic images to improve quality if necessary.

Goal 4: The program will support and maintain its commitment to the health care community with competent entry-level radiographers who possess a broad range of general education proficiencies.

Student Learning Outcomes:
- Students will evaluate their experiences as positive
- Graduates will pass the ARRT exam on the first attempt.
- Employers will rate graduates’ job performance.
- Graduates seeking employment will be employed within six months of graduation.
**CREDENTIALING EXAMINATION (ARRT) PASS RATE**

Five-year average credentialing examination (American Registry of Radiologic Technologists Radiography examination) pass rate of not less than 75% at first attempt within six months of graduation.

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent passing on 1st attempt</th>
<th>Number of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>100%</td>
<td>36 out of 36 passed on 1st attempt</td>
</tr>
<tr>
<td>2010</td>
<td>100%</td>
<td>37 out of 37 passed on 1st attempt</td>
</tr>
<tr>
<td>2011</td>
<td>100%</td>
<td>24 out of 24 passed on 1st attempt</td>
</tr>
<tr>
<td>2012</td>
<td>100%</td>
<td>33 out of 33 passed on 1st attempt</td>
</tr>
<tr>
<td>2013</td>
<td>97%</td>
<td>29 out of 30 passed on 1st attempt</td>
</tr>
<tr>
<td>Five Year Average</td>
<td>99.4%</td>
<td></td>
</tr>
</tbody>
</table>

**PROGRAM COMPLETION RATE**

Program completion rate is defined as the number of students who complete the didactic and clinical phase of the program within 150% of the program length. The program length is 24 months.

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent completion</th>
<th>Number of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>92.3%</td>
<td>39 began, 36 graduated</td>
</tr>
<tr>
<td>2010</td>
<td>71.4%</td>
<td>35 began, 25 graduated</td>
</tr>
<tr>
<td>2011</td>
<td>69.4%</td>
<td>36 began, 25 graduated</td>
</tr>
<tr>
<td>2012</td>
<td>82.5%</td>
<td>40 began, 33 graduated</td>
</tr>
<tr>
<td>2013</td>
<td>91.6%</td>
<td>36 began, 33 completed</td>
</tr>
<tr>
<td>Five Year Average</td>
<td>81.4%</td>
<td></td>
</tr>
</tbody>
</table>

**JOB PLACEMENT RATE**

Five-year average job placement rate of not less than 75% at first attempt within twelve months of graduation.

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent job placement</th>
<th>Number of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>75.6%</td>
<td>12 Graduates completed graduate survey or telephone survey 0 Not actively seeking employment 9 Employed within 12 months of graduation</td>
</tr>
<tr>
<td>2010</td>
<td>96.2%</td>
<td>27 Graduates completed graduate survey or telephone survey 0 Not actively seeking employment 26 Employed within 12 months of graduation</td>
</tr>
<tr>
<td>2011</td>
<td>66.6%</td>
<td>15 Graduates completed graduate survey or telephone survey 2 Not actively seeking employment 10 Employed within 12 months of graduation</td>
</tr>
<tr>
<td>2012</td>
<td>86.6%</td>
<td>15 Graduates completed graduate survey or telephone survey 2 Not actively seeking employment 13 Employed within 12 months of graduation</td>
</tr>
<tr>
<td>2013</td>
<td>84.4%</td>
<td>15 Graduates completed graduate survey or telephone survey 4 Not actively seeking employment 13 Employed within 12 months of graduation</td>
</tr>
<tr>
<td>Five Year Average</td>
<td>81.88%</td>
<td></td>
</tr>
</tbody>
</table>
Radiologic Technology Curriculum (Pathways)
65 Credits required for A.A.S. Degree

Curriculum Coordinator:
Professor Virginia Mishkin, M.S., R.T. (R) (M) (QM)

Required Core
A. English Composition
   • ENG 10 Fundamentals of Composition and Rhetoric OR
     ENG 11 Composition and Rhetoric I (3 Credits)

C. Life and Physical Sciences
   • BIO 23 Human Anatomy and Physiology I (4 Credits)

Flexible Core
A. World Cultures and Global Issues
   • HIS 10 History of the Modern World OR
     HIS 11 Introduction to the Modern World (3 Credits)

D. Individual and Society
   • COMM 11 Fundamentals of Interpersonal Communication (3 Credits)

E. Scientific World
   • BIO 24 Human Anatomy and Physiology II (4 Credits)

Additional Flexible Core Requirement – Area D.
   • PSY 11 Introduction to Psychology (3 Credits)

SUBTOTAL 20

Required Areas of Study
• MTH 131 Trigonometry and College Algebra (3 Credits)
• PEA Physical Education activity course (1 Credit)

SUBTOTAL 4

Specialization Requirements2
• RAD 11 Fundamentals of Radiologic Sciences and Health Care (3.5 Credits)
• RAD 12 Radiographic Exposure I (2.5 Credits)
• RAD 13 Radiographic Procedures I (3 Credits)
• RAD 14 Recording Media and Processing (1 Credit)
• RAD 15 Radiographic Anatomy I (2 Credits)
• RAD 16 Patient Care and Pharmacology in Radiologic Sciences (2.5 Credits)
• CLE 11 Clinical Radiography Fundamentals (1 Credits)
• CLE 15 Clinical Radiography I (0.5 Credit)
• RAD 22 Radiographic Exposure II (2.5 Credits)
• RAD 23 Radiographic Procedures II (3 Credits)
• RAD 24 Radiation Protection (2 Credits)
• RAD 25 Radiographic Anatomy II (1 Credit)
• CLE 21 Clinical Radiography II (0.5 Credit)
• CLE 31 Clinical Radiography III (1.5 Credit)
• RAD 32 Imaging Modalities (2 Credits)
• RAD 33 Radiographic Procedures III and Cross Sectional Anatomy (2 Credits)
• RAD 34 Radiographic Pathology (2 Credits)
• CLE 41 Clinical Radiography IV (1 Credit)
• CLE 45 Clinical Radiography V (0.5 Credit)
• RAD 42 Radiation Biology (2 Credits)
• RAD 43 Quality Assessment/Management (1 Credit)
• RAD 71 Radiation Physics (2 Credits)
• CLE 51 Clinical Radiography VI (0.5 Credit)
• CLE 61 Clinical Radiography VII/Senior Seminar (1.5 Credits)

SUBTOTAL 41

1 MTH 30 should be considered for transfer to a senior college.
2 Note that the sequence of the academic and clinical curriculum of the program is scheduled Monday-Thursday between 8 a.m. and 4 p.m. (the exception is CLE 11, 9 a.m. to 3 p.m. on Friday).

Basic Life Support and Basic First Aid — All radiologic technology students are required to be certified in cardiopulmonary resuscitation and basic first aid by December 15 of their first clinical year.

Health Requirements — All radiologic technology students must meet special health requirements to practice in clinical agencies.

Malpractice Insurance — Radiologic technology students are required to carry $1-3 million malpractice insurance purchased through Bronx Community College. This must be purchased before September 15 of the first semester of each year.

Students will be accepted and assigned to clinical experiences and otherwise treated without regard to sex, sexual orientation, race, creed, color, national origin, age, marital or veteran status in accordance with the laws of the city, state and nation.

RADICAL TECHNOLOGY
(PRE-PATHWAYS)

Radiologic Technology Curriculum
65 Credits required for A.A.S. Degree

Core Requirements
• ENG 10 Fundamentals of Composition and Rhetoric I OR
  ENG 11 Composition and Rhetoric I (3 Credits)
• COMM 11 Fundamentals of Interpersonal Communication (3 Credits)
• HIS 10 History of the Modern World OR
  HIS 11 Introduction to the Modern World (3 Credits)
• PEA Physical Education activity course (1 Credit)
• BIO 23 Human Anatomy and Physiology I (4 Credits)
• BIO 24 Human Anatomy and Physiology II (4 Credits)
• MTH 131 Trigonometry and College Algebra (3 Credits)

TOTAL 21

Required Areas of Study
• PSY 11 Introduction to Psychology (3 Credits)

TOTAL 3
Specialization Requirements

- RAD 11 Fundamentals of Radiologic Sciences and Health Care (3.5 Credits)
- RAD 12 Radiographic Exposure I (2.5 Credits)
- RAD 13 Radiographic Procedures I (3 Credits)
- RAD 14 Recording Media and Processing (1 Credit)
- RAD 15 Radiographic Anatomy I (2 Credits)
- RAD 16 Patient Care and Pharmacology in Radiologic Sciences (2.5 Credits)
- CLE 11 Clinical Radiography Fundamentals (1 Credit)
- CLE 15 Clinical Radiography I (1.5 Credit)
- RAD 22 Radiographic Exposure II (2.5 Credits)
- RAD 23 Radiographic Procedures II (3 Credits)
- RAD 24 Radiation Protection (2 Credits)
- RAD 25 Radiographic Anatomy II (1 Credit)
- CLE 21 Clinical Radiography II (1.5 Credit)
- CLE 31 Clinical Radiography III (1.5 Credits)
- RAD 32 Imaging Modalities (2 Credits)
- RAD 33 Radiographic Procedures III and Cross Sectional Anatomy (2 Credits)
- RAD 34 Radiographic Pathology (2 Credits)
- CLE 41 Clinical Radiography IV (1 Credit)
- CLE 45 Clinical Radiography V (0.5 Credit)
- RAD 42 Radiation Biology (2 Credits)
- RAD 43 Quality Assessment/Management (1 Credit)
- RAD 71 Radiation Physics (2 Credits)
- CLE 51 Clinical Radiography VI (0.5 Credits)
- CLE 61 Clinical Radiography VII / Senior Seminar (1.5 Credits)

TOTAL 41

NOTE: At least two courses must be taken from a list designated as “Writing Intensive” as published each semester in the Registration Guide and Schedule of Classes.

* MTH 30 should be considered for transfer to a senior college.

†Note that the sequence of the academic and clinical curriculum of the program is scheduled Monday-Thursday between 8 a.m. and 4 p.m. (the exception is CLE 11, 9 a.m. to 3 p.m. on Friday).

Basic Life Support and Basic First Aid – All radiologic technology students are required to be certified in cardiopulmonary resuscitation and basic first aid by December 15 of their first clinical year.

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Students will be accepted and assigned to clinical experiences and otherwise treated without regard to sex, sexual orientation, race, creed, color, national origin, age, marital or veteran status in accordance with the laws of the city, state and nation.

COURSES

Licensed Practical Nursing

PNR 11 3 rec 2 cr

Nursing Skills I

This course, taken over three semesters, is designed to instruct the student practical nurse in basic computation principles essential to performing mathematical calculations for the safe and accurate administration of medications. Included in this course is an introduction to the special vocabulary of medical terminology used in the communication process of health care professionals. Students will be exposed to computer assisted instruction (CAI) and Internet research methods as integral adjuncts to the learning process.

Prerequisite: Pre-clinical nursing sequence.

PNR 12 2 rec 2 cr

Mental Health Concepts

This course is designed to familiarize the student with an overview of the history of nursing, therapeutic communication principles, mental health terminology and cultural concepts as they relate to understanding mental health. Students will be introduced to Maslow’s Hierarchy of Basic Human Needs and the nursing process as the prioritizing framework that is used in assisting individuals. The nursing process and critical thinking strategies will be explained as the organizing and problem-solving tools that are to be used when assessing the mental status of clients and their families. The scope of practice of the PN in mental health and other health care settings will be defined and explored.

Prerequisite: Pre-clinical nursing sequence.

PNR 13 2 lec 5 clin 2 lab 4 cr

Practical Nursing Arts

This course is designed to assist the student PN to gain knowledge of essential nursing skills and procedures, inclusive of scientific principles that will support the development of critical thinking abilities. Maslow’s Hierarchy of Basic Human Needs and the Nursing Process is the theoretical framework the PN student will use to problem solve and deliver safe effective care. With direction, PN students will develop skills in collecting data; recognizing a nursing diagnosis; assisting with the planning and implementation of the nursing care plan; perfecting their ability to perform procedures; handling equipment; and evaluating, reporting and documenting client outcomes.

Prerequisite: Pre-clinical nursing sequence.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PNR 21</td>
<td>2 lab 1 cr</td>
<td>Nursing Skills II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>This second course in a three-part series continues instruction in the principles of pharmacology computation with the addition of basic principles for reconstituting medication, practicing IV and heparin calculations. Course content will also include instruction in diagnostic testing procedures and the related nursing implications. Prerequisites: PNR 11, PNR 12, PNR 13, NTR 11. Corequisite: PNR 22.</td>
</tr>
<tr>
<td>PNR 22</td>
<td>2 lec 6 clin 2 lab 4 cr</td>
<td>Medical Surgical Nursing I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>This course is designed to introduce Practical Nursing (PN) students to their role in caring for older adult and disabled clients in a variety of health care settings. PN students will learn how to identify, prevent and manage the most common clinical problems associated with chronic medical and psychosocial disorders. With assistance, PN students will utilize the nursing process, Maslow's Hierarchy of Basic Human Needs, therapeutic communication principles and cultural sensitivity to collect data and implement a holistic plan of care. This course has a clinical requirement. A clinical failure results in a failure for the course. Prerequisites: PNR 11, PNR 12, PNR 13, NTR 11. Corequisite: PHM 11.</td>
</tr>
<tr>
<td>PNR 31</td>
<td>2 lec 6 clin 2 lab 4 cr</td>
<td>Medical Surgical Nursing II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>This course continues to develop critical thinking skills required to apply fundamental knowledge and technical abilities necessary to provide nursing care for adult clients with complex medical and surgical problems in acute health care settings. Content will be presented using the conceptual framework of the nursing process and Maslow's Hierarchy of Basic Human Needs. With guidance, the student will apply the nursing process to prioritize nursing care of adult clients with complex needs. Clinical practice in a variety of acute care settings is provided. A clinical failure results in failure for the course. Prerequisite: PNR 22.</td>
</tr>
<tr>
<td>PNR 41</td>
<td>2 lab 1 cr</td>
<td>Nursing Skills III</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The purpose of this third calculation course is to reinforce the student's ability in pharmacology computation. Calculation skills are introduced for pediatric dosages. Students will be required to demonstrate mastery of previously learned computation skills by obtaining a final grade of C+ (77) or better to pass the course.</td>
</tr>
<tr>
<td>PNR 42</td>
<td>2 lab 2 cr</td>
<td>Psychiatric Nursing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>This course focuses on current concepts of psychiatric/mental health nursing. It provides for continuing development of nursing process skills and is a nursing model for practice that is applicable in a variety of health care settings. Prerequisites: PNR 22, PNR 31. Corequisite: PNR 41.</td>
</tr>
<tr>
<td>PNR 43</td>
<td>2 lect 6 clin 2 lab 4 cr</td>
<td>Pediatric Nursing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>This course emphasizes utilization of the nursing process and Maslow's Hierarchy of Needs to prioritize nursing care based upon disease entity and principles of growth and development. This involves a holistic approach, which includes preventative, curative, rehabilitative, physical, and psychosocial aspects of the hospitalized child and family. The principles of therapeutic communication and cultural competency are strategies the practical nursing student will learn to incorporate when providing care for pediatric clients and their families. This course has a clinical requirement. A clinical failure results in a failure for the course. Prerequisites: PNR 22, PNR 31. Corequisites: PNR 41, PNR 42.</td>
</tr>
<tr>
<td>PNR 44</td>
<td>2 lect 6 clin 2 lab 4 cr</td>
<td>Maternal and Child Care</td>
</tr>
<tr>
<td></td>
<td></td>
<td>This course utilizes the nursing process and Maslow's Hierarchy of Human Needs to prioritize care to the expectant mother and family during pregnancy, labor, birth and puerperium. In addition, maternity nursing includes the care of the fetus and the neonate. Critical thinking skills, therapeutic communication and cultural competence are integral components in providing and delivering safe and competent care to the pregnant mother and family. This course has a clinical requirement. A clinical failure results in a failure for the course. Prerequisites: PNR 22, PNR 31, PNR 43. Corequisite: PNR 41.</td>
</tr>
<tr>
<td>PNR 45</td>
<td>1 rec 1 cr</td>
<td>Vocational Adjustment and Leadership</td>
</tr>
<tr>
<td></td>
<td></td>
<td>This course is designed to familiarize the senior practical nursing student with behavioral expectations of the new graduate practicing in the workplace setting. Nursing leadership, management and professional practice for the LPN will be explored. Content will be presented that will aid in the completion of a professional portfolio. In addition, emphasis will be placed on the behaviors of professional decorum necessary in preparing for the job search and interview process. Employment opportunities, licensure and certification requirements, and continuing education options will be provided. Corequisites: PNR 41, PNR 44.</td>
</tr>
</tbody>
</table>
Nutrition

NTR 11 3 rec 3 cr

Nutrition in Physical and Emotional Disorders
Basic course in therapeutic nutrition that focuses upon major health problems in western society and the influence of diet on their causes and cures. Traditional and controversial nutritional approaches are presented. Nursing care in selected situations is emphasized.
Prerequisites: Open to RN’s and LPN’s. For RN Students, NUR 41 and 42 or permission of instructor. For LPN students, pre-clinical nursing sequence.

Nursing*

Admission to Nursing (NUR) courses is based on the approved priority list that is on file in the Nursing Department and Student Development.

*NUR courses are open only to students with full matriculation in the Nursing (O46) curriculum.
† The minimum acceptable grade in Nursing (NUR) courses is “C+.”
This should read: Courses with grades of C, C-, D+, D, D-, F and W must be repeated if the student wishes to receive a degree in Nursing. A minimum grade of C+ is required when a course is repeated.
The courses must be repeated according to the following conditions:
1. The course must be repeated before the next higher-level course is taken.
2. A nursing student may only repeat one different Nursing (NUR) courses, excluding NUR 41 and NUR 42. A grade of “C+” or better must be obtained in the repeated course to remain in the program.

NOTE: An attempt to repeat a course is defined as having registered in the course for at least 3 weeks, appeared on the roster and received any grade (academic or administrative).
3. Nursing students who are unsuccessful in three different Nursing (NUR) courses may not continue in the program.
4. All Nursing courses required for graduation must be taken within a five-year time span.

NUR 10 1 lect 1 cr

Transition in Nursing
Designed for Licensed Practical Nurses entering the RN Fast Track and the RN Pathway. The focus is on the expectations for coursework in the program, pharmacology calculation review, changes in role from LPN to RN.
Prerequisite: Pre-Clinical Nursing Sequence

NUR 41 2 lect 2 cr

Nursing Process and Therapeutic Communication †
This introductory course focuses on issues, concepts and the nursing process utilizing therapeutic communication techniques when dealing with clients, families and groups. Nursing 41 builds on previously acquired knowledge from the humanities and social sciences. The concepts of critical thinking and legal and ethical issues are introduced as they pertain to the discipline of nursing.
Prerequisite: Pre-Clinical Nursing Sequence.
Corequisites: NUR 42, BIO 24.

NUR 42 2 lect 5 clin 2 lab 4 cr

Fundamental Skills In Nursing†
This web-enhanced course introduces students to health care needs of older adults. It focuses on providing a safe effective care environment, while promoting and maintaining physiological and psychosocial integrity. In addition, this course helps students apply knowledge from the humanities, biophysical and psychosocial sciences to the science of Nursing. Students learn to apply the nursing process at a beginning level, develop critical thinking skills, perform selected psychomotor skills and use therapeutic communication.
Prerequisite: Pre-Nursing Sequence.
Corequisites: NUR 41, BIO 24.

NUR 43 2 lect 6 clin 4 cr

Mental Health Nursing†
This course focuses on the mental health of adults in the community and in the inpatient setting. The student will provide nursing care, utilizing the nursing process, to a variety of clients who have mental illness and various mental health needs. Emphasis will be upon the promotion, restoration and maintenance of mental health of individuals and groups of clients as they prepare to return to the community.
Prerequisites: NUR 41, NUR 42, BIO 24.
Corequisites: NUR 44, BIO 28.

NUR 44 2 lect 6 clin 4 cr

Nursing of the Adult †
This course introduces students to disease processes by focusing on the care of adult clients with selected medical-surgical problems. Nursing assessments and interventions are discussed. A planned program of supervised experiences on medical and surgical units in selected health care agencies is provided.
Prerequisites: NUR 41, NUR 42, BIO 24.
Corequisites: NUR 43, BIO 28.
NUR 45  2 lect 6 clin 4 cr
Maternal, Newborn and Women’s Health†
This course focuses on the physiological and psychosocial integrity occurring in women. Emphasis is on the childbearing process, wellness of the family and maintenance of health. Adverse outcomes of pregnancy, care of the newborn and selected women’s health issues of contraception, infertility and infections are discussed.
Prerequisites: NUR 43, NUR 44, BIO 28.
Corequisite: NUR 46.

NUR 46  2 lect 6 clin 4 cr
Nursing of the Adult II†
This intermediate nursing course builds on previously learned content and experiences. The course focuses on adult clients with selected traumatic, inflammatory and neoplastic disorders. Select problems of the aged and the chronically ill are also discussed. Emphasis is placed on the promotion, restoration and maintenance of physiological and psychosocial health. Continued supervised experiences on medical and surgical units in selected health care agencies are provided.
Prerequisites: NUR 43, NUR 44, BIO 24, BIO 28.
Corequisite: NUR 45.

NUR 47  2 lect 6 clin 4 cr
Pediatric Nursing†
This course focuses on the physiological and psychosocial health care needs of pediatric clients and their families receiving care in an acute care setting. The focus is on the unique needs of the pediatric population including identifying and promoting the growth and developmental needs of the infant, child and adolescent.
Prerequisites: NUR 45, NUR 46.
Corequisite: NUR 48.

NUR 48  2 lect 6 clin 4 cr
Nursing of the Adult III†
This senior level course provides students with the opportunity to practice advanced medical surgical nursing skills as well as leadership and management skills where adult clients have multiple complex acute/chronic health care needs. It focuses on collaboratively restoring physiologic and psychosocial integrity in selected medical-surgical disorders and emergency conditions amidst complex technology and life support. Legal and ethical issues pertaining to the discipline of nursing continue to be explored.
Prerequisites: NUR 45, NUR 46.
Corequisite: NUR 47.

Pharmacology

PHM 10  2 rec 2 cr
Pharmacology Computations
This course focuses on the principles related to the calculation of dosages and medication administration. Topics include the systems of measurement, equipment used in medication administration, calculation of oral medications, injectable medications and calculations related to intravenous and pediatric dosages. Emphasis is placed upon safe medication administration. Technology is used to enhance course content.
Prerequisites: CUNY math proficiency or MTH 05 grade of C or higher.

PHM 11  3 rec 3 cr
Pharmacology as It Applies to Health Services
This online hybrid distance learning course introduces the student to the key principles and concepts used in medication administration in the treatment, maintenance and prevention of disease and illness. Approaching this topic from a holistic perspective, students will gain knowledge relating to drug, nutrient and natural alternative interactions. Emphasis is placed on assisting the student to gain an understanding of the legal, ethical and cultural issues pertinent to successful medication therapy in diverse populations.
Prerequisite: Students need to complete all remediation for admission to nursing. PHM 11 is also available to RN, LPN, and Health Care workers authorized to administer medications. It is recommended that students in the RN program complete NUR 42 before taking PHM 11.
For students in the LPN program:
Prerequisites: PNR 11, PNR 13, and NTR 11.
Corequisite: PNR 22.
Radiologic Technology

Department of Nursing and Allied Health Sciences
Radiologic Technology (CLE and RAD) courses are open only to Radiologic Technology majors. CLE courses are given at Montefiore North Division, Montefiore Medical Center, New York Presbyterian Medical Center, and Jacobi Medical Center.

CLE 11 14 days 1 cr
Clinical Radiography Fundamentals
Students function as learning members of the hospital’s radiology department under laboratory conditions. Experience in patient preparation, selection of proper technical factors, administration of ionizing radiation for diagnostic examination with appropriate radiation protection control. Close supervision to develop and evaluate students’ clinical skills. Film evaluation included.
Prerequisites: BIO 23, MTH 13.

CLE 15 15 days 0.5 cr (3 equated cr)
Clinical Radiography I
This course is an orientation to the hospital radiology department. Students are involved in actual patient care situations and utilize radiography equipment for diagnostic examinations with appropriate radiation protection control. Close supervision is provided by faculty to develop and evaluate students’ clinical skills.
Prerequisite: CLE 11.

CLE 21 0.5 cr
Clinical Radiography II
CLE 21 is a fourteen week clinical experience, designed to put into practice, and demonstrate competency in the procedures learned in CLE 11, RAD 13 and RAD 23. Students are expected to complete a minimum of 11 mandatory and elective competencies.
Prerequisite: CLE 15.

CLE 31 29 days 1.5 cr (6 equated cr)
Clinical Radiography III
Continuation of Clinical Education II. Film evaluation included.
Prerequisite: CLE 21.

CLE 41 40 days 1 cr
Clinical Radiography IV
Continuation of Clinical Education III. Film evaluation included.
Prerequisite: CLE 31.

CLE 45 15 Days 0.5 cr (3 equated cr)
Clinical Radiography V
Students advance sequentially in learning special imaging modalities in the hospital radiology department. Students will rotate through Computed Tomography, Magnetic Resonance Imaging, and other specialty areas.
Prerequisite: CLE 41.

CLE 51 40 days 0.5 cr
Clinical Radiography VI
CLE 51 is a fourteen week clinical experience designed to afford students the opportunity to put into practice, and demonstrate competency in the procedures learned in RAD 33 and RAD 43. Students must complete 11 mandatory and elective competencies.
Prerequisite: CLE 45.

CLE 61 29 days 1.5 cr (6 equated cr)
Clinical Radiography VII / Senior Seminar
Continuation of Clinical Education V. Film evaluation included.
Prerequisite: CLE 51.

RAD 11 2 lect 3 lab 3.5 cr
Fundamentals of Radiologic Sciences and Health Care
Orientation course includes history of radiology; major advances; radiologic technology as a health profession specialty; and history and organization of hospitals. Medical Ethics and Law: scope and nature of moral, legal and professional ethics. Professional guidelines of confidentiality; interpersonal relationships and medicolegal considerations. Medical Terminology: study of written and spoken language of medicine. Common terms used in diagnostic radiology education.
Prerequisite: Completion of Pre-RT Sequence.

RAD 12 1 lect 3 lab 2.5 cr
Radiographic Exposure I
Study of formation of the radiographic image with emphasis on production of quality radiographs. Topics include radiographic exposure factors; density, contrast, recorded detail and distortion; devices to improve radiographic quality such as grids, and pathology affecting radiographic exposure factors.
Prerequisite: MTH 13.
Corequisite: CLE 11.

RAD 13 2 lect 3 lab 3 cr
Radiographic Procedures I
Covers detailed information on various standard positions of structures and organs of the body; practical instruction and application in laboratory and clinical environment. Film evaluation included.
Corequisites: CLE 11, RAD 11, 15.

RAD 14 2 lect 1 cr
Recording Media and Processing
History and development of x-ray film and dark-room accessories; chemical constituents of processing solutions and their functions; theory of the photographic process; radiographic film artifacts and their causes.
Corequisite: RAD 12.
RAD 15  1 lect 2 lab 2 cr  
Radiographic Anatomy I  
Structure and function of human anatomy in all body planes with emphasis on the topographic mode. Film evaluation included.  
Prerequisite: BIO 23.  
Corequisite: RAD 13.

RAD 16  1 lect 3 lab 2.5 cr  
Patient Care and Pharmacology in Radiological Sciences  
Provides students with basic concepts of patient care, including consideration of physical and psychological needs of patient and family. Routine and emergency patient care procedures as well as infection control procedures and Universal Precautions, drug interactions and pharmacology. Lab practice is integrated to enhance the development of patient care skills.  
Prerequisites: BIO 23 or equivalent; MTH 13 or equivalent.

RAD 22  1 lect 3 lab 2.5 cr  
Radiographic Exposure II  
Continuation of RAD 12. Examination of technique guides, technical conversions, AEC, contrast, recorded detail distortion and effects of pathology on technique.  
Prerequisite: RAD 12.  
Corequisite: CLE 21.

RAD 23  2 lect 3 lab 3 cr  
Radiographic Procedures II  
Continuation of RAD 13. More detailed and complex positions of the structures and organs of the body; film evaluation, practical instruction and application in the laboratory and clinical environment.  
Prerequisites: RAD 12, 13, 14, 15, 16.  
Corequisite: RAD 25.

RAD 24  2 lect 2 cr  
Radiation Protection  
Enables student radiologic technologists to recognize the need for good radiation protection procedures, which provide minimum exposure to patients and personnel. Topics include interactions of radiation with matter; units and measurement of radiation; maximum permissible dosages; and methods for minimizing operator and patient exposure.  
Prerequisite: RAD 11.

RAD 25  1 lect 1 cr  
Radiographic Anatomy II  
Continuation of RAD 15. Structures and function of human anatomy in all body planes with emphasis on the skull and spine. Film evaluation included.  
Prerequisite: RAD 15.  
Corequisite: BIO 24.

RAD 32  1 lect 2 lab 2 cr  
Imaging Modalities  
Study of various imaging systems and their application in radiography. Various recording media and techniques are discussed. Some imaging systems described are Mobile Units, Image Intensification, Video Tube and Recorders, CT, Digital Imaging, and MRI.  
Prerequisites: RAD 22, 23, 25.

RAD 33  1 lect 3 lab 2 cr  
Radiographic Procedures III and Cross Sectional Anatomy  
Radiographic positioning of specialized procedures in radiography, the equipment, contrast media use and general indications for each examination. The cross sectional aspect of the course develops an understanding of three dimensional anatomy and the physical relationship of anatomical structures to one another. Systems studied are digestive system; urinary system; female reproduction system; biliary system; myelography; venography; arthrography; mammography and interventional radiography.  
Prerequisites: RAD 23, 25, CLE 21.  
Corequisites: RAD 32, 34.

RAD 42  2 lect 2 cr  
Radiation Biology  
Comprehensive study of the radiation effects on cells including direct and indirect action of ionizing radiation; damage induced by free radicals in DNA; interpretation of survival data; radiation genetics; radiation effects on embryos; delayed effects; radiation safety and health physics.  
Corequisite: RAD 71.

RAD 43  3 lab 1 cr  
Quality Assessment/Management I  
Topics include concepts of a quality assurance program, state and federal regulations, sensitometric monitoring, film-screen contact, protective device integrity, radiographic illuminators, kVp accuracy, timer accuracy and mAs reciprocity. Mammography QA will be discussed.  
Prerequisites: RAD 22, 32.  
Corequisite: RAD 71.

RAD 71  1 lect 3 lab 2 cr  
Radiation Physics  
Elements of atomic and nuclear physics, interaction of radiation with matter, radioactivity, half-life, elements of health physics.  
Prerequisites: MTH 13, RAD 12, 22.