Accreditation
Borough of Manhattan Community College is an accredited member of the Middle States Association of Colleges and Schools. It is also accredited by the Board of Regents of the University of the State of New York and is a member of the American Association of Community Colleges. Its health programs are accredited by the appropriate agencies, including the National League of Nursing, the American Health Information Management Association, and the Commission on Accreditation of Allied Health Educational Programs.

Statement of Nondiscrimination
Borough of Manhattan Community College is an Equal Opportunity and Affirmative Action Institution. The College does not discriminate on the basis of age, sex, sexual orientation, alienage or citizenship, religion, race, color, national or ethnic origin, handicap, veteran, or marital status in its student admissions, employment, access to programs, and administration of educational policies.

Ms. Angela Sales is the College’s Acting Affirmative Action Compliance Officer and the Title IX Coordinator and Section 504 Coordinator. (Title IX prohibits sex discrimination in federally assisted education programs; Section 504 prohibits discrimination based on handicap.) Ms. Sales’s office is located in the Office of the President, Room S750e, and her telephone number is (212) 346-8807.

THE PROGRAMS, REQUIREMENTS, TUITION, AND FEES SET FORTH IN THIS CATALOG ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME AT THE DISCRETION OF THE ADMINISTRATION AND THE BOARD OF TRUSTEES OF THE CITY UNIVERSITY OF NEW YORK.
Dear Student:

Welcome to Borough of Manhattan Community College of the City University of New York. Located in the heart of Tribeca, one of the most exciting and fastest growing communities in New York City, Borough of Manhattan Community College offers quality education in an environment where you can fully experience the culture available only in New York City. Our strategic location in the commercial capital of the world also enables you to explore a wide variety of career opportunities in conjunction with your education.

At Borough of Manhattan Community College, our faculty and staff are committed to helping you realize your human potential. Our mission is to help you prepare for the future by teaching you skills that are highly marketable. We are continually developing innovative programs designed to meet the demands of a rapidly changing work environment. Our mission is to do more than to prepare you to make a living, however; it is also to help prepare you for life. In our rich liberal arts curriculum you will be able to explore humanity’s answers to life’s most burning questions. You will also be able to discover new languages that can increase your awareness of the diversity and wealth of human cultures.

BMCC’s facilities are among the finest in the City University of New York. Our main building at 199 Chambers Street spans four blocks, and houses a wide range of academic programs and support services. Fiterman Hall, which we received as a gift in 1993, is located a few blocks from the main building. When it is completely renovated, Fiterman will meet world class standards for technology. Its centerpiece will be the Virtual Library, a unique $1,200,000 library without books, which will give you access to a wealth of information digitally stored on CD-ROMs, 24 hours a day, close to 365 days a year.

We also have expanded our academic offerings in uptown Manhattan. In fall 1997, at the Theresa Towers in the Harlem community, we began offering two off-site courses: Introduction to Business and Introduction to Computer Applications. This step marked the beginning of what we hope will become a full BMCC campus, convenient to the residents of upper Manhattan.

Borough of Manhattan Community College is committed to providing you with the quality education you will need to succeed in the high-tech work environment of the new millennium. We look forward to your involvement in the college community through participation in our programs and activities. Again, welcome to BMCC, New York’s premier urban community college.

Sincerely,

[Signature]

Antonio Pérez, President
Borough of Manhattan Community College
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OUR MISSION
The City University of New York defines its mission in terms of two basic themes: maintaining and expanding its commitment to academic excellence, and providing access to higher education for all who seek it as “an avenue to economic advancement and personal fulfillment to the citizens of New York City, and in particular to the economically and socially disadvantaged among them.”

Borough of Manhattan Community College was founded in 1963 and opened in 1964 as a small, primarily business-oriented, community college offering programs aimed at the midtown business community. During the next two decades, the mission of the college changed in response to the advent of the City University’s open admissions policy in 1970 and in response to the emergence of new technologies and changes in business and industry. Open admissions significantly extended higher educational opportunity to thousands of students, many of them non-traditional. After BMCC relocated in 1983 to its new building at 199 Chambers Street, the programs of the College became more diversified and reflected many of the emerging new technologies. BMCC now offers a wide range of degree programs, including Accounting, Business Administration, Business Management, Computer Programming and Computer Operations, Computer Science, Corporate and Cable Communications, Early Childhood Education, Engineering Science, Health Information Systems, Human Services, Liberal Arts, Mathematics, Multimedia, Nursing, Office Automation and Office Operations, Paramedic, Respiratory Therapy, Science, Small Business Entrepreneurship and Writing and Literature as well as many non-degree programs in Adult and Continuing Education.

Consistent with the mission of City University to preserve academic excellence and extend higher educational opportunity to a diversified urban population, Borough of Manhattan Community College deems its mission as providing general, liberal arts, and career education, including transfer programs, relevant to the needs, interests, and aspirations of our students, along with continuing education for students of all ages. The College is committed to offering quality education in a pluralistic urban environment, to fostering excellence in teaching, to facilitating the enhancement of learning, and to sustaining full access to higher education for those who seek fulfillment of personal, career or socio-economic goals. BMCC is also committed to providing collaborative programs and services responsive to the educational, cultural, and recreational needs of the community.

Consistent with its stated mission, the College supports the following goals:

To provide higher education to a diverse urban constituency in support of CUNY’s policy of open admissions;
To provide a collegiate environment conducive to the advancement and reinforcement of teaching and learning;
To provide all students with a level of proficiency in basic skills to assure their readiness for, and likely success in, college and the workplace;
To enable and encourage students to make sensible and informed choices in setting their academic, career, and personal goals;
To provide for all students a general education which fosters personal development, intellectual curiosity, and critical thinking to enhance informed and effective participation in society;
To promote multi-cultural awareness and understanding in our college community and respect for pluralism and diversity in our society;
To prepare liberal arts and career students for transfer to four-year colleges;
To prepare students in career programs for employment and career mobility;
To encourage lifelong learning independent of degree programs;
To enhance the cultural, recreational, and social life of the community; and,

To maintain a governance structure that facilitates the participation of faculty, administrators and students in the life of the college and encourages contributions and involvement by alumni and advisory groups.
OUR HISTORY
When Borough of Manhattan Community College opened in 1964, partnerships were established with community businesses for the express purpose of training students to fill their personnel needs. In fact, when the college was established, the educational focus was to prepare students for business careers and to provide a general liberal arts education for those who wished to transfer to four-year colleges. In addition to supplying graduates and student workers to the business community, the college created on-site training and management development courses for mid-level employees.

These courses were tailored to the specific needs of the companies. Keeping in step with national and local occupational trends, BMCC continuously modified and refined its in-house and on-site programs.

By 1974, enrollment had increased from 467 students to over 6,000 day and evening students. It became necessary for BMCC to expand its classroom space from two floors in a commercial building to seven locations throughout the midtown area. The phenomenal expense of renting classroom and office space for the college prompted the City of New York to plan and finance the construction of a new self-contained campus. In 1976, to the disappointment of the college community, plans and construction were halted due to the City's fiscal crisis. Only the steel frame of the building was erected and the structure remained untouched for five years. In spite of the inconvenience of scattered classroom space, BMCC continued to prepare skilled workers for employment in business and health careers, to prepare students for transfer to four-year colleges, and to help individuals develop intellectually, socially, and culturally. Seven years passed before the new campus was finally completed.

OUR FACILITY
The campus, situated on 4.28 acres, became occupied in January 1983. The modern structure, spanning four blocks from Chambers Street to North Moore Street, is equivalent to the Empire State Building lying on its side (minus the tower). In addition to the 71 classrooms, eight seminar rooms, numerous laboratories, and three lecture halls (one hall seats 200 and the others seat 100), the campus library is equipped with 550 study carrels that permit use of audio/video cassettes. The campus features a 1,000-seat auditorium, a 299-seat theatre, and a 99-seat drama workshop. There is an intercollegiate-size swimming pool and a gymnasium which can be divided into three regulation basketball courts.

In September 1993, BMCC was the recipient of the largest donation ever made to a community college, which allowed for a much needed expansion. Fiterman Hall is BMCC's newest facility. Located at 30 West Broadway (between Park Place and Barclay Street), just a few short blocks from the main building, this fifteen story structure currently houses classrooms, computer labs, student lounges, a conference center, and the

OTHER FEATURES OF BMCC
- A day-care center
- A distance-learning lab
- A Media Center containing television and audio studios, multi-media labs and post-production facilities
- A comprehensive college bookstore
- A performing arts center featuring three theatres
- Two dining facilities
- Production facilities for television programs and videotapes

Shirley Fiterman Art Gallery. This new educational facility was donated by Miles and Shirley Fiterman.

THE MEDIA CENTER
Since its inception in 1982, the BMCC Media Center has been among the finest and most technically current in the country. Its mission is to serve the students, faculty, and staff of BMCC — and the community at large — by providing high quality media production and distribution services.

This multi-million dollar resource supports the academic and professional training programs of the college. It provides the technical support for the college's distance learning initiatives, and serves as the laboratory
for the activities of BMCC’s Corporate and Cable Communications Program. It also provides media support for conferences, public hearings, and community and civic activities. The BMCC Media Center produces original video and television programming for the college, the university and outside clients. The Center also provides video and audio connectivity via satellite and fiber-optic cable to locations throughout the United States and the world.

The Media Center facilities consist of two television studios, a suite of digital and analog video-editing systems, an on-line editing room, a distance learning video teleconferencing room, and a master control center. The campus is wired for closed circuit television distribution, including the capability to originate, record, and transmit programming from the Tribeca Performing Arts Center, the gymnasium, and a number of other spaces on campus.

The Center’s staff is comprised of accomplished media and educational professionals who are dedicated to bringing to the students, faculty, and community a high level of media services in support of the mission of the college and the University.

ADMISSIONS
Anyone who has a high school diploma, an accredited state high school equivalency diploma, or a foreign secondary education credentials equivalent to a U.S. high school diploma is eligible to attend Borough of Manhattan Community College.

TO APPLY
Fill out one application only and pay a $40 non-refundable application fee for Freshman application or $50 application fee for Transfer application.
Applications are available at public high schools, selected community centers, The City University’s Office of Admissions Services, 101 West 31st Street (6th Floor), New York, NY 10001, and the Admissions Office at Borough of Manhattan Community College, Room S300, 199 Chambers Street, New York, NY 10007, (212) 346-8100.

NOTE: You should apply as early as possible; however, your application will be considered whenever you apply. Freshman applications allow students to apply to six programs. Transfer applications allow students to apply to four programs. You will be admitted to one college ONLY — the first choice for which you are eligible.

There are six types of applications:

1. The Undergraduate Freshman Application for Admission
   This application is for students who are applying for regular City University programs, for students who wish to apply for the College Discovery Program, and for students who have been educated abroad. Students should mail their freshman application with a $40 bank check or money order application fee to the University Application Processing Center, P.O. Box 350236, Brooklyn, NY 11235-0001. Use this application if:
   - you are currently in high school;
   - you are a high school graduate and have never attended college;
   - you have a General Equivalency Diploma (GED) and never attended college;
   - you are a permanent resident, an immigrant, or a refugee;
   - you have foreign secondary education credentials equivalent to a U.S. high school diploma;
   - you have a temporary visa for study in the United States; or
   - you have applied for a temporary visa for stay in the United States.

2. Personalized Application/Freshman Application for Admission
   Current high school seniors in the New York City public schools (and several parochial schools) will receive Personalized Applications. Students should complete the application and return it, with a $40 bank check or money order application fee, to the high school, which will mail the form to the University Application Processing Center.

3. The Undergraduate Transfer Application for Admission
   This application is for students who have previously attended college and have a 2.0 ("C") or above cumulative grade-point average (GPA). BMCC has a
APPLICATION DEADLINES

<table>
<thead>
<tr>
<th></th>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>High School Seniors and Graduates with No Previous College Credits</td>
<td>December 1</td>
<td>October 15</td>
</tr>
<tr>
<td>Students with Previous College Credits (Advanced Standing and Transfers)</td>
<td>March 1</td>
<td>October 15</td>
</tr>
<tr>
<td>Readmission Applications</td>
<td>August 15</td>
<td>January 15</td>
</tr>
</tbody>
</table>

NOTE: Some applications may be considered on a rolling admissions basis.

"forgiveness clause" policy which permits a student who has not attended college for a minimum period of six months, and who has a GPA below 2.0, to be admitted to BMCC. Please note the Advanced Standing Application deadline. Students should complete a City University–Undergraduate Transfer Application for Admission and mail it with a $50 bank check or money order application fee to the University Application Processing Center, P.O. Box 359023, Brooklyn, NY 11235-9023. Use this application if:

- you have foreign post-secondary educational credentials;
- you have a temporary visa for stay in the United States;
- you have applied for a temporary visa for stay in the United States; or
- you have previously attended college and plan to pursue a degree.

4. Application for Non-Degree Status
This application is for students who will take college courses but do not wish to obtain a degree. Those interested in non-degree status should apply directly to the Admissions Office at Borough of Manhattan Community College, 199 Chambers Street, Room S300, New York, NY 10007.

5. Second Degree Application
Students who have earned an associate degree at Borough of Manhattan Community College and who wish to apply for a second degree must contact the Admissions Office, Room S300, and request a SECOND DEGREE APPLICATION. Students must complete a minimum of 32 additional credits at BMCC after receiving their first Associate's Degree.

6. Readmission Application
Students whose continued attendance has been interrupted and who have left BMCC in good academic standing may be readmitted to the College by filing a readmission application in the Admissions Office ($300) and paying a $10 non-refundable readmit fee to the Bursar's Office. Readmission is automatically granted to students in good academic standing.

The Admissions Office may offer readmission to students who are academically dismissed. Said students will be required to have their applications approved by the Committee on Academic Standing. Students so approved will be on special probation and subject to special probation rules. Regardless of how many semesters the student sat out, he/she must submit an application to the Committee on Academic Standing. For further explanation or clarification, students should see a counselor in the Department of Student Life, Room S330.
AFTER YOU ARE ADMITTED
Skills Assessment Examinations
The Freshman Skills Assessment Tests are required of all entering freshmen. The tests measure skills of reading, writing, and mathematics, and are administered after admission to the College. In each of these areas CUNY and BMCC have established minimum standards defining readiness to do college work. As a result of the assessment process, students may be declared exempt from remedial courses in any or all skills areas or they may be assigned to appropriate remedial courses in those areas deemed weak. (Please note that remedial courses do not offer credit at BMCC.) In order to transfer from a CUNY community college to a CUNY senior college, students must have passed all three tests. Students should consult the appropriate CUNY campus for the required passing scores.

New CUNY/ACT Tests
Beginning in Fall 2000, the CUNY Assessment Reading and Writing tests will be replaced with the new CUNY/ACT Skills tests. The new tests have three parts: Reading Skills, Writing Skills and a Writing Sample. The CUNY/ACT tests will be used for initial placement for Spring 2001 and for exit from the top-level course in Reading, English and ESL.

Students enrolled prior to Fall 2000 who have successfully completed the remedial or ESL sequences may satisfy CUNY requirements if they pass the CUNY Writing and Reading Assessment tests before February 1, 2001. As of February 1, 2001, students must pass the new CUNY/ACT tests. In addition, the prerequisite for Composition I (ENG 101) is passing the Reading and Writing ACT tests.

At BMCC, all academic departments have designated minimum reading, writing, and/or mathematics levels necessary for enrollment in academic courses. These levels, or basic skills prerequisites, can be found in the Basic Skills Guide. Students should consult the Guide in planning their academic schedules. (Please see pp. 135-138)

N.Y.S. Immunization Requirements
N.Y.S. Health Law #165 requires proof of immunization against measles, mumps, and rubella or proof from a physician that you have had these diseases in order to attend school if you were born after 1956. Prior to registration, you must show this proof to the Health Services Office in Room N303. No student will be allowed to register until all records are complete.

Resident Tuition Rate
To qualify for the community college tuition rate, students may be required to prove New York City residency. Please contact the admissions office. Room S300 for further information. BMCC will accept a maximum of thirty transfer credits.

Freshman Orientation
All new students are required to attend a special preregistration orientation session conducted by the Student Life Department. Orientation sessions are specifically designed to help students successfully adjust to college life and to utilize the various college resources.

STUDENT STATUS
Advanced Standing
The "TR" grade indicates transfer credit from another institution or courses taken on permit. Transfer credits do not affect your cumulative average at BMCC. Credits earned at another college and transferred to BMCC are evaluated by the Admissions Office. Credit is given only for courses taken at accredited institutions of higher education by one of the regional accrediting associations.

*Courses must be comparable in credit and content to those offered in your major at BMCC.

*BMCC considers the transfer credits from institutions which are accredited by one of the following associations:

MS Middle States Association of Colleges and Schools
NC North Central Association of Colleges and Schools
NE New England Association of Schools and Colleges
NW Northwest Association of Schools and Colleges
SA Southern Association of College and Schools
WA Western Association of Schools and Colleges

Credits for schools for candidacy status are not considered.

If you have recently completed courses or have any outstanding transfer credits at another college, it is necessary for you to arrange to have the official transcript(s) forwarded to BMCC’s Admissions Office as soon as possible. All transcripts must be sent prior to registration. This also applies to students who are seeking to be readmitted to BMCC.
Tuition and Fees

Transfer credits will only be evaluated from institutions listed on the student's admission application. Submission of false records or omission of previous college attendance may result in denial of admission. There will be no exception.

Federal regulations require that you provide proof that you have earned a high school diploma or a GED before you can receive Federal aid. This policy has no effect on your eligibility for New York State financial aid (TAP, APTS), or on your status as a matriculated student.

Advanced standing through the College Level Examination Program (CLEP), CLEP General Exams, and CLEP Subject Exams (scores equivalent to "A", "B", "C") and/or through the Advanced Placement Program (APP) of the College Board is granted at the discretion of individual academic departments. Check with the Admissions Office for detailed information.

A science course over ten years old needs a departmental approval form. All technical courses need a departmental approval form. Clinical nursing courses are non-transferable. The pharmacology course offered at New York City Technical College is the only course equivalent to MAT 104 at BMCC.

<table>
<thead>
<tr>
<th>TUITION PER SEMESTER</th>
<th>Full-Time</th>
<th>Part-Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Residents of New York City who are:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Matriculated Students</td>
<td>$1,250.00</td>
<td>$105.00</td>
</tr>
<tr>
<td>b. Non-matriculated Students</td>
<td>$120.00</td>
<td>per credit</td>
</tr>
<tr>
<td>2. Non-Residents of New York City who are:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Residents of New York State with B-81 form on file</td>
<td>$1,250.00</td>
<td>$105.00</td>
</tr>
<tr>
<td>b. Residents of New York State without B-81 form on file</td>
<td>$1,538.00</td>
<td>$130.00</td>
</tr>
<tr>
<td>c. Out-of-State Residents</td>
<td>$1,538.00</td>
<td>$130.00</td>
</tr>
<tr>
<td>d. Foreign Students</td>
<td>$1,538.00</td>
<td>$130.00</td>
</tr>
<tr>
<td>e. Non-Degree Students</td>
<td>$1,538.00</td>
<td>$175.00</td>
</tr>
</tbody>
</table>

Footnotes
1 To be eligible to pay New York City tuition rates, students must have completed one year of residency in New York City prior to the first day of classes, and must not be on a temporary visa.

2 B-81 Form: Any student who lives in New York State but does not live in New York City may be eligible to pay the same tuition as a New York City resident. To pay New York City tuition, you must submit a B-81 Form to the Bursar's Office. A B-81 form can be obtained from the County Clerk's office in the county in which you reside. Return the B-81 Form to the Bursar's Office no later than two weeks prior to registration. Failure to do so will result in your being billed at the non-resident rate.

3 The college issues I-20 forms only to full-time matriculated foreign students who owe no money to the school.

SENIOR CITIZENS: New York City residents who are 60 years or older are granted a tuition waiver but must pay a $65.00 administrative fee per semester. Senior citizens also pay the consolidated services fee and any penalty fee they incur. Senior citizens do not pay Student Activities fees or application fees.

NOTE: All tuition and fees are subject to change without notice, regardless of the tuition and fees in effect at the time of application as mandated by the Board of Trustees, CUNY. All tuition must be paid at the time of registration.
### Non-Instructional Fees (Non-Refundable)

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Consolidated Services Fee (all students per semester)</td>
<td>$5.00</td>
</tr>
<tr>
<td>2. Application for Admission</td>
<td></td>
</tr>
<tr>
<td>New Students</td>
<td>$40.00</td>
</tr>
<tr>
<td>Transfer Students</td>
<td>$50.00</td>
</tr>
<tr>
<td>Non-degree Students</td>
<td>$40.00</td>
</tr>
<tr>
<td>3. Application for Readmission</td>
<td>$10.00</td>
</tr>
<tr>
<td>4. Late Registration fee</td>
<td>$15.00</td>
</tr>
<tr>
<td>5. Change of Program fee (adding or changing sections of a course) <strong>There is no charge for dropping a course.</strong></td>
<td>$10.00</td>
</tr>
<tr>
<td>6. CUNY Card replacement fee</td>
<td>$10.00</td>
</tr>
<tr>
<td>7. Transcripts*</td>
<td>$4.00</td>
</tr>
<tr>
<td>8. Senior Citizens—semester charge (no tuition)</td>
<td>$65.00</td>
</tr>
<tr>
<td>9. Late Payment</td>
<td>$15.00</td>
</tr>
<tr>
<td>10. Payment Reprocessing (bad checks)</td>
<td>$15.00</td>
</tr>
<tr>
<td>11. Special Examinations (each additional exam $5.00)</td>
<td>$15.00</td>
</tr>
<tr>
<td>12. Duplicate Bill</td>
<td>$5.00</td>
</tr>
<tr>
<td>13. Reinstatement fee</td>
<td>$15.00</td>
</tr>
</tbody>
</table>

*Students paying by cash or money order will have their transcripts of academic record sent within one week. Those paying by personal check will have their transcript requests held for ten business days in order for the check to clear. (See pp. 113-114 for detailed information.)*

### Non-Degree

Students who do not wish to pursue a degree-granting program have non-degree status.

**NOTE:** Students who wish to change from a non-degree to a matriculated status may do so in the Admissions Office ($300) after at least one semester of college work has been completed. In addition, students must be in good academic standing. Students who did not take the CUNY Freshmen Skills Assessment tests will be required to do so in order to change their status from non-degree to matriculated. To become matriculated, students must submit a completed Advanced Standing Transfer application to the Admissions Office by the first day of classes for the semester that the students are changing their status from non-degree to matriculated.

### Matriculation

To become matriculated, students must select a program and agree to take all courses required for the Associate Degree.

### Note

**NOTE:** Matriculated students cannot become non-degree students.

### Full-Time

For a description of full-time status, see p. 8.

### Part-Time

For a description of part-time status, see p. 9.

### Student Activities Fees

1. Full-time Students $39.85*
2. Part-time Students $19.85*

*Includes $.85 University Senate fee

### Change of Program Fee

When you wish to change your program, you are charged $10.00 for each Change of Program Form processed, even if you are a financial aid recipient. For example, if you drop two courses and add a course at the same time,
you pay $10.00, even though three transactions were made. However, if you decide at a later date to make additional program changes, you must complete another Change of Program Form and pay an additional $10.00 fee. The following actions initiated by a student require a program change fee.

1. Addition of a course or courses.
2. Changing from one course to another.
3. Changing from one section of a course to another section of the same course.
4. Dropping a course and adding another course.

**ACCELERATED STUDY FEE**

For students whose course load in a given semester exceeds 18 real credits, an accelerated study fee is charged in addition to tuition, as follows:

<table>
<thead>
<tr>
<th>For students taking</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>19-20 credits</td>
<td>$100.00</td>
</tr>
<tr>
<td>21-22 credits</td>
<td>$230.00</td>
</tr>
<tr>
<td>23-24 credits</td>
<td>$460.00</td>
</tr>
<tr>
<td>25 or more credits</td>
<td>$690.00</td>
</tr>
</tbody>
</table>

**PAYMENT OF TUITION AND FEES**

Tuition and fees may be paid by CASH, CHECK, OR MONEY ORDER. When you pay your tuition and fees by cash, please be sure that you receive a computerized receipt. It is your only proof that you have made payment.

Checks and money orders should be made payable to "BMCC". Please include your social security number on the face of the check or money order. Students whose checks are returned by their bank will be subject to a $15 reprocessing fee and a $15 non-payment service fee, and will be required to make all subsequent payments by cash or certified check. Students settling a prior semester balance to obtain clearance for registration, transcripts or readmission must make payment via cash or certified check.

**INTEREST-FREE MONTHLY PAYMENT PLAN**

AMS (Academic Management Services)

CUNY students are eligible to apply to AMS (Academic Management Services) to arrange for an interest-free monthly payment plan for tuition. There is a $25 fee.

It is important that you complete the bill payment process during registration even if financial aid or any other outside agency is covering your bill. If you do not complete this process by the due date indicated, your course selection will be cancelled. Even if your bill indicates a "0" balance, you must go to the Office of the Bursar, Room S320.

payable to AMS at the time of application. Applications are available in the Bursar's Office (Room S320) or by contacting AMS at 1-800-635-0120.

**Students who pre-register may remit the completed application along with the $25 fee and the required down payment (20% of the balance due) directly to AMS by the due date indicated on the tuition bill. The remaining balance due will be billed to you by AMS in four monthly installments.**

**Students who register during regular registration may complete an application with the AMS representatives who will be on campus throughout the regular registration period. A check or money order for $25 payable to AMS is due at the time of application. This fee is not collected by the college and must be presented directly to the AMS representative. Cash is not accepted for the AMS fee. The required tuition down payment (40% of the balance due), which will be remitted to the Bursar Office cashier, may be in the form of cash, check or money order payable to BMCC. The remaining balance due will be billed to you in two monthly installments.**

**STUDENT STATUS**

**Full-Time Status**

To be considered a full-time student, you must be enrolled for at least twelve credits or equated credits each semester. Contact hours for the courses below may be used to satisfy the full-time enrollment requirement. For these courses, tuition is charged on the basis of contact/equated hours.

- **ESL** (all courses)
- **MAT** 010, 011, 012, 051, 056
- **RDG** (all courses)
- **ENG** 088, 095
Tuition Assistance for Full-Time Students
To qualify for tuition assistance from the two financial aid programs listed below, you must meet certain enrollment and academic requirements for each payment you receive.

New York State Tuition Assistance Program (TAP)
- You must be a full-time student according to the TAP definition for full-time enrollment. This means that you must be enrolled for at least twelve credits or equated credits. In the first semester you receive TAP, you must be enrolled for at least three degree credits as part of your full-time course load. After your first semester of receiving TAP, you must be enrolled for at least six degree credits as part of your full-time course load.
- You must remain in good academic standing for New York State award programs by meeting academic progress and program pursuit requirements every semester you receive TAP (see the section “Standards of Academic Progress” which follows on p. 13).
- You are eligible for up to six semesters of TAP as an associate degree student. This limit holds even if you transfer from one two-year school to another or change majors.
- Note: If you repeat a course that you previously passed, you may not count the repeated course toward full-time enrollment for TAP purposes.
- If you are a College Discovery student, you may be eligible for up to ten semesters of TAP as an undergraduate.

Part-time Status
To be considered a part-time student, you must enroll in fewer than twelve credits or equated credits. Part-time tuition is calculated on a per credit basis except when remedial or developmental courses are taken. For remedial or developmental courses, contact hours rather than credits are used to calculate tuition.

Aid for Part-time Study (APTS)
To receive APTS, you must:
1. File an application by the established deadline and meet the basic eligibility requirements for the program.
2. Be enrolled in at least six but fewer than twelve credits or equated hours. At least three of these must be degree credits.
3. Remain in good academic standing for New York State award programs.
4. Not have used up eligibility for TAP.

WAIVERS AND TUITION REFUND
Change of Program Fee Waiver
The change of program fee is not applicable when:
1. The college cancels or withdraws a course, whether or not the student substitutes another course.
2. The college changes the hours of the course after the Schedule of Classes and the Addendum are printed or makes other substantive changes that provide the student justification for a change.
3. The college requests the student to transfer from one section to another section of the same course.
4. The college cancels the registration of the student for academic or disciplinary reasons.

Veterans
Tuition Deferrals—Students wishing to secure a veteran’s deferral must bring proof of eligibility and file an application for Veterans Administration benefits in the Registrar’s Office, Room S310. The deferral does not apply to fees.

Benefits—Applications for Veterans Administration benefits must be made in the Registrar’s Office, Room S310. Students eligible to receive V.A. educational assistance must file a certificate of eligibility with the Registrar’s Office at their initial registration and must inform that office of the V.A. standing each subsequent semester for which they wish to use their educational benefits.

Questions pertaining to eligibility to receive veterans educational entitlement should be referred to the New York Regional Office of the V.A., 245 W. Houston Street, New York, NY 10014.
Tuition and Fees

Tuition Refund Policy
Refunds for Fall and Spring semesters will be made in accordance with the following schedule:

<table>
<thead>
<tr>
<th>Withdrawal Prior to the First Day of Class</th>
<th>% of Tuition</th>
<th>% of Obligation</th>
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</thead>
<tbody>
<tr>
<td>100%</td>
<td>0</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Withdrawal During the First Calendar Week of Classes</th>
<th>% of Tuition</th>
<th>% of Obligation</th>
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</thead>
<tbody>
<tr>
<td>75%</td>
<td>25%</td>
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</table>

<table>
<thead>
<tr>
<th>Withdrawal During the Second Calendar Week of Classes</th>
<th>% of Tuition</th>
<th>% of Obligation</th>
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</thead>
<tbody>
<tr>
<td>50%</td>
<td>50%</td>
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</table>

<table>
<thead>
<tr>
<th>Withdrawal During the Third Calendar Week of Classes</th>
<th>% of Tuition</th>
<th>% of Obligation</th>
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</thead>
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<tr>
<td>25%</td>
<td>75%</td>
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<table>
<thead>
<tr>
<th>Withdrawal After the Third Calendar Week of Classes</th>
<th>% of Tuition</th>
<th>% of Obligation</th>
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The percentage of the refund is determined by the date stamped by the Registrar’s Office indicating official withdrawal from class(es).

Students who paid their tuition bill in full by cash, check or money order and subsequently withdraw will have their tuition liability calculated according to the schedule. Refund checks are mailed directly to the student’s home by the Bursar. Students who made a partial payment on their bill will have their tuition liability calculated according to the schedule. A reduction in tuition charges may not necessarily result in a refund and, in some instances, a tuition balance may still be due. Student activity fees and consolidated fees are not refundable.

Tuition will be refunded 100 percent for those courses which, at anytime, are cancelled by the College.

COURSE CANCELLATION POLICY
Courses may be subject to cancellation for a number of reasons, such as under-enrollment. If you are in a class which has been canceled, you will be notified by the department offering the course. That department will attempt to accommodate you with another course it offers. If it is unable to do this, it will advise you to return to the registration area in order for you to change your program.

Students who must change their program due to canceled courses will not be charged a change of program fee.

Title IV Tuition Refund Schedule A
Title IV aid recipients (PELL, SEOG, STAFFORD, and PERKINS LOANS) who withdraw from all courses during their first semester of attendance at BMCC are subject to the following refund schedule:

<table>
<thead>
<tr>
<th>Withdrawal During Week #</th>
<th>% of Tuition Retained by BMCC</th>
<th>% of Refund</th>
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<tbody>
<tr>
<td>1</td>
<td>10%</td>
<td>90%</td>
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<tr>
<td>10</td>
<td>100%</td>
<td>0%</td>
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Tuition refunds based on Title IV proceeds will be allocated in the following sequence:

a) unsubsidized Federal Direct Stafford Loan; b) subsidized Federal Direct Stafford Loan; c) PLUS loans; d) Federal PELL grants; e) SEOG; f) other Federal, State, private, or institutional financial assistance, and; g) the student. Questions regarding the calculation of Title IV refunds should be directed to the Office of the Bursar, Room S320.

Title IV Tuition Refund Schedule B
Title IV aid recipients (PELL, SEOG, STAFFORD, and PERKINS LOANS) who withdraw from all courses during any semester other than their first semester of attendance at BMCC are subject to the following refund schedule:

<table>
<thead>
<tr>
<th>Withdrawal During Week #</th>
<th>% of Tuition Retained by BMCC</th>
<th>% of Refund</th>
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<tbody>
<tr>
<td>1</td>
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<td>25%</td>
</tr>
<tr>
<td>9</td>
<td>100%</td>
<td>0%</td>
</tr>
</tbody>
</table>
Tuition/Financial Aid

Tuition refunds based on Title IV proceeds will be allocated in the following sequence:
a) unsubsidized Federal Direct Stafford Loan;
b) subsidized Federal Direct Stafford Loan;
c) PLUS loans;
d) Federal PELL grants;
e) SEOG;
f) other federal, state private, or institutional financial assistance, and
g) the student.
Questions regarding the calculation of Title IV refunds should be directed to the Office of the Bursar, Room S323.

STUDENTS ON PERMIT
To Other Units of CUNY
Students who wish to take courses at another CUNY college while attending BMCC must follow the procedures listed below (students are limited to the maximum number of credits allowable at the home college):

1. Must have a GPA of 2.0.
2. Obtain permit from Registrar’s Office at BMCC.
3. Complete permit with all appropriate information.
4. Secure chairperson’s signature.
5. Register for the permit in the Registrar’s Office.
6. Pay tuition and fees to the Bursar. The Bursar validates permit.
7. Take validated permit to the Registrar. The Registrar signs and places College Seal on permit.
8. Take BMCC permit and other Bursar’s receipts to registration at other unit of CUNY.
9. Request other CUNY unit to forward transcript to BMCC at the end of the semester.

NOTE: Each department has its own requirements regarding permit credit. Please confer with the department before registering as a permit student at another CUNY college.

- At least 32 credits of the total number of credits required for graduation must be earned at BMCC. However, under no circumstances shall more than 30 earned credits granted from another institution be applied toward graduation from BMCC.

From Other Units of CUNY
Students from other CUNY colleges who wish to take courses at BMCC should:
- Follow steps 1–6 (above) at their home college.
- Come to registration at BMCC with validated permit and Bursar’s receipt and follow regular registration procedure.
- File transcript request in BMCC’s Registrar’s Office at the end of the semester.

SPECIAL NOTE: Those students receiving TAP or STAP must bring a letter from the college in which they have enrolled showing the exact number of credits for which they have registered. This letter should be brought to the Office of the Registrar during the fifth week of the semester.

FINANCIAL AID
You may need to supplement your own financial resources to meet the cost of your college education. Grant, loan, and work-study assistance is available to help you with your tuition and other school-related expenses. When you apply for financial aid, you are considered for all award programs for which you may be eligible. The amount of aid you receive is based on your financial need as determined by the Financial Aid Office.

In order to be eligible for most Federal and State student aid, you must be a U.S. citizen, a permanent resident or other eligible classification of non-citizen, and enrolled in a program leading to a degree. If you have defaulted on a student loan or owe a repayment of a grant at any CUNY school, you must make satisfactory repayment arrangements with the institution(s) involved before you receive any aid at BMCC. Finally, most Federal and State aid programs require that you make satisfactory academic progress toward the completion of a degree to qualify for continued funding. (Please refer to the section “Standards of Academic Progress,” on p. 13)

Financial aid applications, counseling, and assistance in completing your forms are available in the Office of Financial Aid, Room N340. Because some programs with limited funding are awarded on a first-come, first-served basis, you should apply for financial aid as soon as you have made your decision to attend BMCC. You do not have to wait until you are admitted to the College to
Financial Aid

apply for financial aid. However, the College will not make any award monies available to you until after you are enrolled and attending classes. You should allow four to six weeks processing time for your applications. The College can apply financial aid toward your tuition bill only if you have received notification of your eligibility for them.

The Office of Financial Aid publishes a booklet entitled "...And What About Financial Aid? A Guide to Financing Your College Education At BMCC." This publication describes the types of financial aid available and details eligibility requirements and application procedures for each award program. It may be obtained on request from the Office of Financial Aid, Room N340. Up to date information on changes in financial aid program requirements is also published in the Schedule of Classes each semester and in the Student Handbook. For the most complete Financial Aid information, you are encouraged to explore the Financial Aid pages of the college's website. This valuable student resource may be accessed at www.bmcc.cuny.edu.

SOURCES OF FINANCIAL AID
Tuition Assistance Program (TAP) is a New York State grant program which helps eligible full-time and part-time students meet tuition costs. TAP is money paid on your behalf directly to the school for tuition only. You must have lived in New York State for at least one year prior to your first term of enrollment, and meet certain income and enrollment criteria to qualify for TAP. TAP award amounts vary based on enrollment, family income, the number of family members attending college full-time, the number of semesters you have already received TAP, and the size of the State’s annual appropriation for the program. At the time of this publication, TAP awards ranged from a minimum of $50.00 to a maximum of $1,187.50 per semester.

Aid for Part-Time Study (APTS) is a New York State tuition grant for students pursuing a degree on a part-time basis. To receive APTS, you must be a New York State resident, enroll for at least six but fewer than twelve credits, meet certain income limits and not have exhausted your eligibility for TAP. Award amounts per semester will vary based on the availability of program funds.

Federal Pell Grant can be used to pay your tuition, or if your tuition is covered by other means, help you buy your books and supplies, or pay your transportation costs. This grant is available only to students who have not earned a first Bachelor’s Degree or professional certificate. Award amounts for the most recent academic year ranged from a minimum of $400.00 to a maximum of $3,300.00 for full-time study. You may also qualify for a Federal Pell Grant if you are a part-time student taking from one to eleven credits.

Federal Supplemental Educational Opportunity Grant (SEOG) is a program which helps exceptionally needy students with educationally related expenses. FSEOG awards are made to supplement other forms of financial aid and do not have to be repaid.

Federal Work-Study (FWS) is a program providing part-time jobs to students who need additional financial aid. Jobs are available both on and off campus. To participate in FWS, you must remain enrolled in at least six credits or the equivalent.

Federal Perkins Loan is a low interest (5%) loan awarded by the College to help you meet your college expenses. A Federal Perkins Loan is not a grant. It is money that is borrowed and has to be repaid. To receive a Federal Perkins Loan, you must remain enrolled in at least six credits or the equivalent. Entering freshmen are not eligible to receive this loan.

Subsidized Federal Direct Stafford Loan is a low interest loan allowing you to borrow money to help you pay for your college education. The Federal government subsidizes or supports these loans by paying the interest charges on the money while you are attending school. You must remain enrolled in at least six credits or the equivalent to qualify for this loan and must begin to repay it six months after graduation or termination of attendance.

Unsubsidized Federal Direct Stafford Loan allows you to borrow money for your education in addition to the amounts allowed under the subsidized loan program. These loans are not subsidized by the Federal government, which means that you, the
borrower, are responsible for all interest charges during in-school and deferment periods. You must remain enrolled in at least six credits or the equivalent to qualify for an unsubsidized loan.

Federal Direct PLUS Loan allows the parents of dependent students to borrow money to help students supplement the amounts they might be receiving under other grant or loan programs. All Direct PLUS loans require a credit check and loans will be approved based on your parents' credit history. Repayment of PLUS loans begins within 60 days of the final disbursement.

College Discovery (CD)
This is a special program funded by New York State for financially and educationally disadvantaged students. Students in the CD program may receive money for books, fees, and a small stipend. To be considered for CD, you must complete the special programs section of the admissions application. The Office of Admissions will choose the students to be admitted into the program by a lottery system. You must register and maintain enrollment as a full-time student in order to remain eligible for CD.

STANDARDS OF ACADEMIC PROGRESS
Remedial or Developmental Coursework and Eligibility for Federal Financial Aid
You may receive Federal financial aid payments for no more than thirty hours of remedial or developmental coursework. This restriction does not apply to English as a Second Language courses. Specifically, if you have attempted and received payment for a total of thirty or more remedial or developmental hours, you cannot receive Federal financial aid for any additional remedial or developmental coursework you attempt, except ESL courses for which there is no such limitation. You will, however, still receive Federal financial aid payments for credit bearing coursework subject to your ability to meet the Federal satisfactory academic progress standard outlined below.

Satisfactory Academic Progress Standard for Federal Financial Aid Programs
To remain eligible for Federal financial aid at BMCC, you must be making satisfactory academic progress toward the completion of an associate degree. For the purposes of receiving Federal financial aid, satisfactory academic progress is defined as:

1. Achieving at least the GPA required for probationary status at the College;
2. Attempting not more than 150% of the credits normally required for the degree;
3. Accumulating credits toward the degree according to either one of the following standards of progress:
   a. Regular standard -- accumulated credits must be equal to or greater than two-thirds of the attempted credits.
   b. Conditional standard -- accumulated credits must be equal to or greater than .875 of the attempted credits minus 21.

Your academic records will be monitored at the end of the spring term each year to determine your eligibility for continued Federal financial aid in the upcoming academic year. If you fail to meet the regular standard of progress, you will be measured against the conditional standard.

Appeal/Probation
If you exceed the 150% cap or fall beneath the conditional standard, you may appeal through the College's normal academic appeals process to retain your eligibility to receive Federal student aid.

Your appeal will be evaluated for mitigating circumstances resulting from events such as personal illness, injury, personal tragedy, or changes in academic program. Also assessed will be the reasonableness of your capability for improving your academic record to again meet the standard of satisfactory progress.

If your appeal is granted, you will be given a one year probationary period to improve your academic record to meet the standard of satisfactory progress. There is no limit on the number of times you may follow this appeals procedure.
Reinstatement
If you choose not to appeal, or if your appeal is denied, you may regain eligibility for Federal financial aid by leaving BMCC for at least one year. Upon readmittance, you may receive assistance for the terms of the academic year of readmittance and will be measured against the standard at the end of the spring term for continued eligibility.

If you remain enrolled without receiving Federal financial aid, you may request a review of your academic record after any term in which you are enrolled without such benefits to determine whether you can again meet the standard of satisfactory progress. If the standard is met, you will regain eligibility for Federal aid in the subsequent terms of the academic year.

Determination of Attempted Credits and Accumulated Credits
Attempted credits reflect the course loads maintained in your permanent enrollment record at the College. Accumulated credits reflect those credits you have actually earned toward your degree.

In measuring satisfactory academic progress, certain courses and situations will be treated in the following ways:

1. Remedial and Developmental/Compensatory Courses
   Remedial courses and developmental and compensatory courses do not carry degree credit. These courses are not included in the cumulative record of credits earned or attempted.

2. Withdrawals
   Withdrawals recorded on your permanent record will be counted in your cumulative record of credit attempted and will adversely affect your ability to meet the satisfactory progress standard.

   NOTE: Changes in your enrollment record caused by retroactive "non-punitive" administrative withdrawal activity can result in your having to repay the assistance that you received that term.

3. Incomplete Grades
   Your cumulative record of credits attempted must include any course for which you receive an incomplete grade. This course cannot be counted in your record of accumulated credits until you have received a completion grade. If you fail to meet the satisfactory progress standard for credit accumulation due to an incomplete grade for a course, the recording of a successful completion grade within a term which brings your accumulated credits up to the satisfactory progress standard will restore eligibility for this and subsequent terms within the academic year.

4. Repeated Courses
   Successfully completed courses can generally be accepted toward degree requirements only once. However, each time you attempt a course, it is included as part of your cumulative record of credits attempted. Therefore, repeating a course, regardless of prior grade, reduces your ability to meet the satisfactory progress standard.

Treatment of Non-Standard Admissions Situations
1. Readmitted Students
   Upon readmission after at least a one-year period of non-re-enrollment, you will receive assistance for the terms in the academic year of readmission and will be measured for continued eligibility against the satisfactory progress standard at the end of the spring term.

   If you are readmitted after less than one year of non-re-enrollment, your academic record will be evaluated for satisfactory academic progress as the record stood at the end of the last term of attendance.

2. Transfer Students
   As a transfer student, you will have your status initialized for measuring satisfactory academic progress by using the number of transfer credits determined to be acceptable toward the degree as both your attempted credits and accumulated credits.

3. Second Degree Students
   If you are enrolled for a second degree, you will have your status initialized for measuring satisfactory academic progress by using the number of credits determined to be acceptable toward the second degree as both your attempted credits and accumulated credits.
NEW YORK STATE GOOD ACADEMIC STANDING REQUIREMENTS
To receive payment under New York State tuition assistance programs, you must maintain good academic standing. The good academic standing requirement for New York State financial aid programs consists of both an "ACADEMIC PROGRESS" and a "PROGRAM PURSUIT" component. These are explained in the Academic Progress chart on the following page and the accompanying explanations. The New York State good academic standing requirements apply to all students receiving payments either from TAP or the Aid for Part-Time Study program.

If you do not meet the New York State academic standing requirements in any semester you receive TAP or APTS, you lose your eligibility for TAP, APTS, and other New York State award programs. Further payments of these awards to you will be stopped. However, you can regain good academic standing by any one of the following procedures:

a. Combine two or more semesters' work, provided that only one of those semesters is paid for through New York State support.
b. Be readmitted to BMCC after an absence of at least one calendar year.
c. Transfer to another college. There, you will be eligible to receive New York State awards your first semester.
d. Apply to the Committee on Academic Standing for a one-time TAP/APTS waiver. If the waiver is approved, you may continue your studies without interruption of New York State program assistance.

ACADEMIC PROGRESS

Meeting the ACADEMIC PROGRESS standard requires that you (a) accumulate at least six degree credits by the end of the second semester and between 12-15 credits each semester thereafter AND (b) attain a minimum Grade Point Average as specified in the chart for each State aid payment requested.

To be certified for payment number:

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At the end of the prior semester, you must have

a. Earned at least this many credits:
   - 0-
   - 0-
   - 6
   - 18
   - 31
   - 45
   - 60
   - 75

and

b. Have at least this Grade Point Average:
   - 0-
   - 0-
   - 1.0
   - 1.2
   - 2.0
   - 2.0
   - 2.0
   - 2.0

NOTE: If you are receiving APTS as a part-time student, you have two terms to meet the credit accrual and GPA requirement that a full-time student must achieve in one term.

PROGRAM PURSUIT

Demonstrating PROGRAM PURSUIT means that you must receive completion grades in a minimum percentage of your course work every semester State aid is received.

To be certified for payment number:

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You must have completed this percentage of a minimum full-time/part-time course load in the last semester you received TAP/APTS:

- 0-
- 50%
- 50%
- 75%
- 75%
- 100%
- 100%
- 100%

NOTE: If you are a part-time student receiving APTS, you must meet the appropriate Program Pursuit standard every semester you receive an APTS payment.
How to Get a Waiver
If you feel you may be eligible for a TAP/APTS waiver, you must follow these instructions:

1. Obtain a TAP/APTS Waiver Request Form from the Bursar’s Office, Room S320.
2. Provide an explanation of your circumstances on the request form. You should attempt to document all pertinent facts related to your case. The final decision will be based on the documentation received.
3. See a Student Life Counselor, Room S330, to help you fill out the form and advise you on what documentation you may need. Make sure your counselor signs and dates the form.
4. Obtain faculty statements, if necessary, and attach them to the request. Faculty statements should be submitted by persons who you feel will help the Committee on Academic Standing better understand your case.
5. Sign, date, and return your request, with all supporting documentation to the Registrar’s Office, Room S310.
6. After your request has been acted upon, you will be notified of the action taken on your case by means of a letter to your home address.

Possible Reasons For a Waiver
A. Personal Criteria
   1. Personal illness involving either hospitalization or extended home confinement under a physician’s supervision.
   2. Illness in the immediate family (of origin or of generation) forcing you to be absent from class for an extended period.
   3. Emotionally disabling conditions which force you to miss class for an extended period.
   4. Changing work conditions beyond your control and upon which you must depend, forcing you to leave classes.
   5. Your inability to attend classes because of military duty orders, temporary incarceration, or other involvement with agencies of government (local, state or federal).

B. Academic Criteria
   1. A change in major causes you to fall behind in the pursuit of program requirement although prior to this your academic performance was sound.
   2. You have consistently met the minimum academic performance standards but, for one semester, do not meet them. An assessment of your academic record indicates that granting you a waiver will be to your benefit.

If you are granted a waiver, you can continue to be eligible for New York State tuition assistance for that semester only. In order to be eligible in any semester following, you must again begin to meet the Academic Progress and Program Pursuit requirements as stated in the TAP Progress Chart for the payment indicated.

Remember: You may be granted a waiver from the New York State good academic standing requirements only once.

STUDENT AFFAIRS ROOM S343,
(212) 346-8121/23
Vice President of Student Affairs/Dean of Students: Henry A. Gardner
Associate Dean of Student Affairs: Mary Li Hsu
Assistant to the Vice President of Student Affairs: A. Makea McDonald
Director of Enrollment Management: Peter Vida, Room S300
Coordinator of International Student Services: Lily Yi, Room S305
Director of Athletics: Stephen Kelly, Room N210
Director of Career Planning and Placement: Ronald West, Room N755
Faculty/Staff: Peter Roberts, Room N744
Director of Counseling: Marilyn Riley-Hodge
Professors: James Blake, Ardie D. DeWalt, Michael Giammarella, Brice Hargadon, Ellen Simon
Associate Professor: Sample Pittman
Assistant Professors: Beryl Duncan-Wilson, Adrienne Faison, Precious Sellers-Mulhern
Instructor: Letty Eisenhauer
Lecturer: Irna Fernandez, Denise Hinds-Zaami, Vanessa Rozelle, Pedro Perez. Marilyn Ruiz
Academic Advisor: Barbara Eanes
College Discovery (CD): Room S326
Acting Administrator for College Discovery: Orville Hill
Academic Advisor/College Discovery: Adrian Solomon
Director of Students with Disabilities: Thomas McDonald, Room N768
Assistant to Director of Students with Disabilities: Ramon Rivera, Room N767
Psychological Counseling: Precious Sellars-Mulhern, Room S347
Executive Director, Early Childhood Center:
Todd Boressoff, Room S312
Director of Student Activities: George Rhinehart, Room S360
Assistant Director of Student Activities: Isabel Cummings
Director of Financial Aid: Howard Entin, Room N340
Assistant Directors of Financial Aid: Bertina Tyler, Anne Fuchs
Financial Aid Counselors: Ralph Buxton, Monique Colon, Fred Lane, Ayanna Miller, Michael Neal, Roseann Ragone, Tracy Wynn, Mayra Yepez
Staff Nurse: Joanne Castioni-Giummo, R.N., Room N303

COUNSELING
The Department of Student Life provides counseling services to help make your college experience as rewarding as possible. The counseling faculty and staff will help you make decisions about your educational and occupational directions and goals. If you wish to speak with someone about a personal, social, family, financial, or academic (withdrawal from courses, appeal of grades, academic standing, academic dismissal) problem, please go to the Counseling Center, Room S330, to make an appointment with one of the College’s professionally trained counselors. (Counseling is provided on an individual or group basis.) Listed below are some of the counseling services offered by the Department of Student Life.

Academic Probation
Counseling for students who have fallen below the academic retention standards.

Career Planning and Placement
The Office of Career Development and Planning provides assistance to students in developing academic and professional objectives as they pertain to future employment. As part of this assistance, the Office conducts comprehensive, group and one-on-one workshops that cover all aspects of the successful acquisition and continuation of gainful employment. In addition, the Office provides referrals to those students who desire full or part-time employment while attending BMCC.
Mr. Ronald West (212) 346-8373 Room N768

DISCOVER-Computerized Career Counseling System
DISCOVER is an easy to use, interactive computerized guidance system that provides essential career decision-making information, including:

- Self-assessment (interests, values, abilities, experiences);
- Occupations (duties, requirements, salaries, and outlook for over 450 occupations);
- College transfer (locations, admissions requirements, majors, costs, and financial aid for over 5,000 schools);
- Career transition strategies.

All BMCC students may make a DISCOVER appointment by calling Mr. Peter Roberts at tel. (212) 346-8765 or visiting the DISCOVER Center in Room N744. No computer skills are necessary.

College Discovery Program
The College Discovery Program provides support services such as counseling, academic advisement, tutorial services and financial aid to students who are educationally and financially challenged. These support services include a variety of outreach and enrichment activities provided on an individual and group basis to enhance our students' growth and development, both academically and personally. The College Discovery staff consists of professionally trained counselors, advisors,
and administrative personnel who are dedicated and committed to assisting our at-risk students in their pursuit of a college education and a fulfilling career. Room S326

Services for Students with Disabilities
Any BMCC student with a physical and/or mental disability is encouraged to meet with the Office of Services for Students with Disabilities to discuss any disability-related needs and related services. These services may include note takers, readers, and sign-language interpreters; the use of a calculator, spellchecker, and/or tape recorder; and testing accommodations such as extended time and enlarged text. Adaptive technology is available as well as specialized tutoring and priority registration. The office can also provide students with information on a variety of disabilities, disability-related issues, and internal and external resources. Students interested in receiving services, knowing more about services, or who believe that they have been discriminated against based on disability status should contact Mr. Tom McDonald, M.Ed., Director of Students with Disabilities, at (212) 346-8015/16, Room N768.

Financial Aid
The Office of Financial Aid (N340) may help answer questions about your eligibility for the various Federal and State financial aid programs administered by the College. Major sources of financial aid are grants, loans and work-study. You are encouraged to learn about these programs and apply for those for which you may be eligible. Mr. Howard Entin, (212) 346-8400, Room N340

International Student Services
Counseling is available for foreign students on a non-immigrant visa. Counseling extends to concerns relating to immigration status (i.e., change of immigration status, on campus/off-campus work, etc.), academic standing, student exchange(s)/study abroad programs and related matters. All BMCC students on a non-immigrant visa are urged to contact the Coordinator of International Student Services: Lily Yi, (212) 346-8106, Room S305, throughout the academic year for vital immigration information and counseling.

Psychological Counseling
Professional psychologists and social workers are available for students who feel that they need more specialized assistance in resolving personal, social, psychological or other problems. Such specialized counseling is given on an individual or group basis. In some cases, referrals are made to appropriate community agencies. Communication between student and psychologist or social worker is strictly confidential and never included in the student’s College records. For more information, contact Dr. Precious Sellars-Mulhern at (212) 346-8390, Room S347.

Substance Abuse Counseling
This office provides counseling on all issues relating to drug problems. Videos for use by faculty and materials on substance abuse are available. For further information, call (212) 346-8121.

Student Activities
The Office of Student Activities, in cooperation with the Student Government Association (SGA), plans and coordinates educational, cultural and social programs to enhance the college experience of BMCC students. The Office distributes discount and free tickets to Broadway plays, sporting events, concerts and other activities sponsored by various student clubs and organizations. As a student at BMCC, you will soon find out that there are many interesting and fun things to do. All you have to do is get involved...join a club...keep abreast of what is happening on campus by reading This Month at BMCC. For more information about clubs, visit the office of Mr. George Rhinehart, Director, Room S360. Tel. (212) 346-8125.

Clubs and Organizations
Clubs and organizations are chartered to serve the diverse needs and interests of our students. They are avenues for forming friendships, cultural expression, skill development or aiding you in your future career. The clubs receive a budget from the SGA and offer programs and activities for the entire student body. A complete list of all current clubs and their meeting places can be obtained from the Office of Student Activities. If you wish to form your own club, feel free to visit the Office of Student Activities for more information.
Student Services

Orientation Program
A first-term student registered at Borough of Manhattan Community College is required to attend a special pre-registration orientation session. The program is specifically designed to help students successfully adjust to college life, and to utilize the various college resources for maximum personal development and benefit.

Health Services Office
Room N303
The Health Services Office provides first aid, assessment or treatment of medical emergencies, counseling and information on health-related issues. We offer free measles, mumps and rubella vaccines throughout the year as well as during registration to insure meeting the requirements set forth by NYS Public Health Law 2165. Throughout the academic year look for workshops covering different health issues as well as our yearly Health Fair held every May. We also provide workshops for those classes or clubs that wish to address specific health issues. For information, contact us at (212) 346-8255/56. Our fax # is (212) 346-8375. Ms. Joanne Castioni-Giummo, R.N., Director

BMCC Early Childhood Center and Family Daycare Network, Room N310, (212) 346-8260
BMCC offers two quality child-care programs, the BMCC Early Childhood Center and its Family Daycare Network. Each provides quality child care and early childhood education for BMCC student parents and their children. The Center offers day, evening, and Saturday hours to children between 2.9 (in September) and six years of age. The Family Daycare Network, supervised by the Center, consists of a group of licensed day care homes serving children between two months and twelve years of age. In keeping with good early childhood practice and the Center and Network’s commitment to safety and quality, each child must be enrolled according to a planned schedule. Keeping in mind the parent’s classes and other college activities, the staff works out the schedule that most closely meets the needs of both parent and child. Services also include child care information and referral services.

Todd Boressoff, M.S. Ed., Executive Director
Room N312
Claudette Kelly, Administrative Coordinator Room N310

The Women’s Resource Center
The Women’s Resource Center provides support services for the growth and development of women students at BMCC as they pursue both their academic and their lifelong goals. The Center sponsors activities designed to educate and provide information related to women, the family and community concerns. Special programs, seminars and workshops, as well as individualized counseling are designed to address such concerns as wellness, domestic violence, substance abuse, stress management, parenting, relationships, and academics. In addition, the Center has weekly support groups facilitated by the counselors and a peer counseling program. The Center also provides referral services to external social service agencies and acts as a network for resources within the College. For more information, please contact the Center in room N360, at (212) 346-8676, 346-8088.

The Office of Athletics, Recreation and Intramurals
The Office of Athletics, Recreation and Intramurals provides an opportunity for BMCC students to participate in intercollegiate and intramural activities. Intercollegiate sports are formal intensive athletic programs for students who are interested in joining a team to compete with other colleges. BMCC’s teams include baseball, men’s and women’s basketball, swimming, tennis and more. Interested students should contact the Office of Athletics, Recreation and Intramurals, Room N210. The leisure program is comprised of diversified physical, intellectual and social activities that allow students, faculty, staff and the community-at-large the opportunity to participate in a variety of leisure pursuits that are congruent with the particular lifestyles. Participants may satisfy their leisure needs by participating in formal classes (non-credit) that emphasize individual instruction or by engaging in informal, self-paced activity. The leisure program sponsors classes in dance, gymnastics, karate, physical fitness, swimming, tennis and weight training. Special events include the annual Harold Solomon, Jr. 5K Run, the Swimming Festival, the Dance Festival, the Mr. & Ms. BMCC Body Building Contest, and ski outings (in conjunction with Student Activities). Participants can attend intercollegiate athletic events free of charge.

Mr. Stephen Kelly, Room N210 (212) 346-8279
Student Services

ACADEMIC AFFAIRS STUDENT SUPPORT SERVICES

Academic Advisement
Each semester you are required to meet with a faculty advisor to make certain that you are following your correct course of study. The faculty advisors help you plan your program for the following semester and assist you with information regarding curriculum choice. No student is allowed to register until this academic advisement process has been completed. For information concerning academic advisement, contact Ms. Freda McClean, Director of Academic Advisement and Transfer, (212) 346-8898, Room S752.

The Academic Advisement and Transfer Center
The Academic Advisement and Transfer Center is designed to assist students in making a successful transition from a two-year college to a four-year college so that they can continue in their studies and pursue their Bachelor's Degree.
Ms. Freda McClean, Director of Academic Advisement and Transfer
Ms. Renee Rhodd, Transfer Advisor
Room S731, (212) 346-8896

The Center offers a variety of resources and support services for students that can help them in the transfer and selection process, such as the following: individualized and group academic and transfer advising and problem solving; course equivalency information; college information fairs and visits; articulation information between BMCC and four-year colleges; academic audits for Liberal Arts students; transfer information about such areas as financial aid, admissions, and scholarships; transfer workshops; and transfer instructions specifically for CUNY and SUNY colleges and universities.

In addition, students have access to the Transfer Library (S731), which houses more than 1,700 college catalogs and over 350 video tapes. This includes predominantly and historically Black colleges, women's colleges, some international universities, and local and regional graduate schools. The Transfer Library also contains numerous resources and aids to assist students in making successful transfer decisions. It has current publications by the College Board, information regarding college essays, careers, Title IV School Code List, and applications to both CUNY and SUNY colleges.

The Pre-Freshman Summer/Winter Immersion Program
This program is designed for newly admitted students planning to enter or continue college. The program provides an opportunity for students to acquire basic skills, complete their basic skills obligations, and get a head-start on their college experience. The program will (1) offer basic skills courses to improve student's proficiency in areas such as English (writing), English as a Second Language, Reading, and Mathematics; (2) provide students with an opportunity to enroll in one or more courses to reduce or eliminate the number of basic skills courses they will be required to take in the Fall or Spring semester; (3) provide counseling, tutoring and other support services; and (4) offer students an opportunity to work with concerned and committed faculty in small class-size settings.

Freshman Year Experience (FYE)
All incoming, first-time freshmen are expected and encouraged to participate in the Freshman Year Experience workshops offered before and at the beginning of each term. In these workshops, students receive important information and skills to help them succeed in their college careers.

COPE
The College Opportunity to Prepare for Employment (COPE) is a support program for students on public assistance who desire to earn a college degree. In collaboration with the City University of New York, the New York City Human Resources Administration, and Borough of Manhattan Community College, the COPE program exists solely to help recipients successfully complete college, become gainfully employed, and build exciting careers. COPE offers a variety of services including academic and personal counseling, tutoring, job skills training, and job referrals. There are also an HRA liaison and HRA specialist on site.
Ms. Julie Lambert, Director, Room S404, (212) 346-7635

HRA Liaison
The HRA liaison is responsible for collecting data regarding student's attendance and verification of enrollment. The HRA liaison assists students who receive
Training Related Experience (TRE’s) from the Human Resources Administration (HRA). TRE’s include monies for childcare and childcare. There are specific requirements set by HRA for TRE’s to be granted. If, for any reason, a student should become ineligible for TRE’s, the Liaison assists in filing an appeal with HRA. Mr. Daniel Hyman, the HRA Liaison, is a member of College Opportunities to Prepare for Employment (COPE) staff and can be reached at (212) 346-4755, Room S404.

HRA Specialist
The HRA Specialist assists all students on campus who receive public assistance. The HRA Specialist monitors the academic progress and standards that are required by the Human Resources Administration (HRA) each academic year. The HRA Specialist advocates for students through contact with their local HRA Office and makes referrals to other city agencies where appropriate. Mr. Conrad Sharpe, the HRA Specialist, is a member of the College Opportunity to Prepare for Employment (COPE) staff. He may be reached at (212) 345-2491, Room S404.

Learning Resource Center (LRC)
The Learning Resource Center (LRC) provides students with services designed to strengthen academic skills and meet learning needs. The LRC coordinates a tutorial program, instructional computer labs, tutor-conducted study skills workshops and non-print instructional materials to supplement tutoring and study skills improvement. All LRC services are available free of charge to registered BMCC students, faculty and staff. Mr. James Tynes, Director, Room S500.

Tutoring
The LRC Tutoring Program offers free tutorial services to all registered BMCC students. Tutorial services are designed to improve student success at BMCC and include individual and small group tutoring, scheduled weekly appointments, and walk-in assistance. The program employs qualified tutors who are certified by the appropriate department chairpersons in the following areas: Accounting, Business Management, CIS/CSC, Early Childhood Education, English, Ethnic Studies, Human Services, Modern Languages, Music & Art, Office Administration, Science, Social Science, and Speech. Students may sign up for tutoring by coming to the LRC and completing a registration form. Faculty and staff may refer students to tutoring directly by sending the LRC a referral form or by telephoning the Learning Resource Center, (212) 346-8623.

Cooperative Education Department
The Cooperative Education Department offers internships that provide the opportunity to apply classroom theory to practical work situations. Students gain experience in business, industry, government or service situations. Prof. Daisy Alverio Chairperson, Room N757 (212) 346-8360

NOTE: Even though the Cooperative Education Department attempts to help students find suitable employment, there is no guarantee that every student will be placed. It is the policy of the department to utilize employers who hire students without regard to sex, race, color, national origin, handicap or age.

The A. Philip Randolph Memorial Library
Located in S400, the Library has a collection of 75,000 books, 700 periodicals, 14,000 reels of microfilm and seating for 600 students at tables and individual carrels. The Library is open 68 hours each week during the Fall and Spring semesters and shorter hours during the Summer and Intersession. Library faculty members are always available to assist students in locating and using appropriate materials. A valid BMCC identification card is all that is required to make full use of this important facility. The library conducts orientation lectures for both beginning and advanced students and it publishes a handbook (available free to all visitors) describing its facilities and services.

Library Hours
Monday to Friday 8:00 AM-9:00 PM
Saturday 10:00 AM-5:00 PM

Chief Librarian: Sidney Eng
Deputy Chief Librarian: Evelyn Hisz
Professors: Sidney Eng, Evelyn Hisz, Wambui Mbugua, Vicente Revilla
Associate Professor: Joanna Bevacqua
Assistant Professors: Bruce Salen, Leo J. Theinert
Instructor: Barbara Linton
ACADEMIC PROGRAMS
Borough of Manhattan Community College offers a choice of many programs of study. The College awards the Associate in Arts (A.A.) degree; the Associate in Science (A.S.) degree; and the Associate in Applied Science (A.A.S.) degree. A student must have completed at least thirty-two credit hours in residence to be certified for a degree. For information concerning credits earned prior to attendance at Borough of Manhattan Community College, see p. 5.

DEGREE PROGRAMS
A degree is granted upon satisfactory completion of required credits in the following approved programs:

Associate in Arts degree (A.A.)
Business Administration
Liberal Arts
Writing and Literature

Associate in Science degree (A.S.)
Computer Science
Engineering Science
Human Services
Mathematics
Science

Associate in Applied Science degree (A.A.S.)
Accounting
Business Management
Child Care/Early Childhood Education
Computer Operations
Computer Programming
Corporate and Cable Communications
Health Information Technology
Multimedia Programming and Design
Nursing
Office Automation
Office Operations
Paramedic
Respiratory Therapy
Small Business/Entrepreneurship

In addition, the college awards a certificate for the following program: Office Automation

NOTE: The course requirements that follow are NOT necessarily listed in the order in which they should be taken. Many courses have either prerequisites or corequisites. In planning programs, students must consult the appropriate Departmental advisor.

NOTE: At BMCC, all academic departments have designated minimum reading, writing and/or mathematics levels necessary for enrollment in academic courses. These levels, or basic skills prerequisites, can be found in the Basic Skills Guide. Please see pp. 135-138. The Guide is also available in all academic departments and in the Office of Academic Affairs. Students should consult the Guide in planning their academic schedules.

ACCOUNTING (ACC)
The Accounting Program is designed to provide the student with a strong preparation in accounting, business and liberal arts. The Accounting Program prepares students for entry-level positions in the accounting field. In addition, a large percentage of students choose to continue their education at four-year colleges in order to become certified public accountants (CPA). CPA's can have their own companies or work in public, private or government accounting. Upon completion of the requirements listed below, the Associate of Applied Science (A.A.S.) degree is awarded.

General Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HED 100</td>
<td>Health Education</td>
<td>2</td>
</tr>
<tr>
<td>MAT 150</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT 200</td>
<td>Introduction to</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Discrete Mathematics</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT 2xx</td>
<td>Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>SPE 100</td>
<td>Fundamentals of Speech</td>
<td>4</td>
</tr>
<tr>
<td>XXX 1xx</td>
<td>Music or Art</td>
<td>3</td>
</tr>
<tr>
<td>XXX 2xx</td>
<td>Science</td>
<td>2</td>
</tr>
<tr>
<td>XXX 3xx</td>
<td>Social Science</td>
<td>3</td>
</tr>
</tbody>
</table>

Total General Credits 24
## Degree Programs

### BUSINESS ADMINISTRATION

**Curriculum Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 122</td>
<td>Accounting Principles I</td>
<td>4</td>
</tr>
<tr>
<td>ACC 222</td>
<td>Accounting Principles II</td>
<td>4</td>
</tr>
<tr>
<td>ACC 321</td>
<td>Accounting Applications in Micro Computers</td>
<td>3</td>
</tr>
<tr>
<td>ACC 330</td>
<td>Intermediate Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 350</td>
<td>Cost Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 430</td>
<td>Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACC xxx</td>
<td>Accounting Elective&lt;sup&gt;7&lt;/sup&gt;</td>
<td>3</td>
</tr>
<tr>
<td>BUS 121</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS 110</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>CED 201</td>
<td>Career Planning&lt;sup&gt;8&lt;/sup&gt;</td>
<td>2</td>
</tr>
<tr>
<td>CED 301</td>
<td>Accounting Internship&lt;sup&gt;8&lt;/sup&gt;</td>
<td>2</td>
</tr>
<tr>
<td>CIS 100</td>
<td>Introduction to Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>ECO 100</td>
<td>Introduction to Economics</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 201</td>
<td>Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 202</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Curriculum Credits**  
36

**Total Program Credits**  
60

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### FOOTNOTES

1. Please note that MAT 012 or MAT 051 or exemption from Elementary Algebra is a prerequisite for MAT 150.

2. Choose any Mathematics (MAT 200) or higher level course. Please note that Elementary Algebra (MAT 051) and Intermediate Algebra (MAT 056) are prerequisites for MAT 200 and MAT 206.

3. For students whose first language is not English, SPE 102 will also satisfy this requirement.

4. Note: Some music courses are one credit. A total of two credits is required.

5. Choose from AST 110, BIO 110, CHE 110, PHY 110.

6. Choose one course in anthropology, geography, history, philosophy, political science, psychology, sociology, or any Ethnic Studies social science course.

7. In consultation with a faculty advisor in the Accounting Department, students will determine the appropriate accounting elective.

8. Students may substitute CED 301 and CED 401 for CED 201 and CED 301, upon evaluation by and approval of the Cooperative Education Department.

### BUSINESS ADMINISTRATION (BAN)

The Business Administration Program, administered by the Business Management Department, provides students with a general education background and 12 credits in basic business. After completion of the program, students may transfer to a senior college or university to attain the baccalaureate degree in business.

Many students have inquired into the difference between the Business Administration and the Business Management Programs. The Business Administration Program is suggested for those who want a strong liberal arts background, and who intend to continue their undergraduate education in business. The Business Management Program is designed primarily for students who desire a career-oriented education. (See course descriptions for both programs, pp. 51-55) Both programs prepare students to enter four-year colleges for the continuation of their baccalaureate studies.

The Business Administration program awards the Associate in Arts (A.A.) degree.

### General Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>English Composition I</td>
<td>3</td>
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<td>ENG 201</td>
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<td>3</td>
</tr>
<tr>
<td>HED 100</td>
<td>Health Education</td>
<td>2</td>
</tr>
<tr>
<td>MAT 200</td>
<td>Introduction to Discrete Mathematics&lt;sup&gt;1&lt;/sup&gt;</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT 206</td>
<td>Mathematical Foundations of Calculus&lt;sup&gt;1&lt;/sup&gt;</td>
<td>4</td>
</tr>
<tr>
<td>ECO 201</td>
<td>Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECO 202</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>SPE 100</td>
<td>Fundamentals of Speech&lt;sup&gt;2&lt;/sup&gt;</td>
<td>3</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Liberal Arts Elective&lt;sup&gt;3&lt;/sup&gt;</td>
<td>21</td>
</tr>
</tbody>
</table>

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<sup>1</sup> Please note that MAT 012 or MAT 051 or exemption from Elementary Algebra is a prerequisite for MAT 150.

<sup>2</sup> Choose any Mathematics (MAT 200) or higher level course. Please note that Elementary Algebra (MAT 051) and Intermediate Algebra (MAT 056) are prerequisites for MAT 200 and MAT 206.

<sup>3</sup> For students whose first language is not English, SPE 102 will also satisfy this requirement.

<sup>4</sup> Note: Some music courses are one credit. A total of two credits is required.

<sup>5</sup> Choose from AST 110, BIO 110, CHE 110, PHY 110.

<sup>6</sup> Choose one course in anthropology, geography, history, philosophy, political science, psychology, sociology, or any Ethnic Studies social science course.
### BUSINESS MANAGEMENT

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXX xxx</td>
<td>Music or Art 4</td>
<td>2</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Science 5</td>
<td>4</td>
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<tr>
<td><strong>Total General Credits</strong></td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 104</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 110</td>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>ACC xxx</td>
<td>Accounting Elective</td>
<td>3</td>
</tr>
<tr>
<td>CIS 100</td>
<td>Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>MAR 100</td>
<td>Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Curriculum Credits</strong></td>
<td>15</td>
<td></td>
</tr>
<tr>
<td><strong>Total Program Credits</strong></td>
<td>60</td>
<td></td>
</tr>
</tbody>
</table>

### FOOTNOTES

1 Please note that Elementary Algebra (MAT 051) and Intermediate Algebra (MAT 056) are prerequisites for MAT 200 and MAT 206.

2 For students whose first language is not English, SPE 102 will also satisfy this requirement.

3 Choose from the following areas: English, Ethnic Studies, Social Science, Mathematics, or Foreign Languages. Choices must be from at least three different areas.

4 Note: Some Music courses are one credit. A total of two credits is required.

5 Choose from AST 110, BIO 110, CHE 110 or PHY 110.

### BUSINESS MANAGEMENT (BEC)

The Business Management Department awards an Associate in Applied Science degree (A.A.S.). After completion of the first semester of work, which includes basic courses in business and the liberal arts, students may prepare for employment or continued study in a specific area of business management. Upon completion of the requirements, students are granted the Associate in Applied Science (A.A.S.) degree and are also eligible to transfer to a senior college. (See pp. 51-55 for course descriptions.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAT 150</td>
<td>Introduction to Statistics 1</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Curriculum Credits</strong></td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXX xxx</td>
<td>Business Electives (see below)</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total Program Credits</strong></td>
<td>60</td>
<td></td>
</tr>
</tbody>
</table>

### BUSINESS MANAGEMENT ELECTIVES

In consultation with a faculty advisor, students pursuing the A.A.S. degree in Business Management may prepare for employment or continued study in one of the subject areas listed below:

#### General Management Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 200</td>
<td>Business Organization &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 311</td>
<td>Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>SBE 100</td>
<td>Product &amp; Service Creation</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Elective Credits</strong></td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>
### Degree Programs

#### CHILDCARE/EARLY CHILDHOOD EDUCATION

<table>
<thead>
<tr>
<th>Finance &amp; Banking Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>FNB 230 Financial Management</td>
</tr>
<tr>
<td>FNB 250 Money &amp; Banking</td>
</tr>
<tr>
<td>FNB 300 Investments</td>
</tr>
</tbody>
</table>

Total Elective Credits: 9

<table>
<thead>
<tr>
<th>Marketing Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 200 Essentials of Advertising</td>
</tr>
<tr>
<td>MAR 300 Sales Principles &amp; Practices</td>
</tr>
<tr>
<td>RET 300 Consumer Motivations</td>
</tr>
</tbody>
</table>

Total Elective Credits: 9

<table>
<thead>
<tr>
<th>Real Estate Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLS 202 Real Estate Salesperson’s Qualifying Course</td>
</tr>
<tr>
<td>RLS 203 Real Estate Broker’s Qualifying Course</td>
</tr>
<tr>
<td>RLS 301 Real Estate Management</td>
</tr>
</tbody>
</table>

Total Elective Credits: 9

<table>
<thead>
<tr>
<th>Travel &amp; Tourism Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>TTA 200 Introduction to Travel &amp; Tourism</td>
</tr>
<tr>
<td>TTA 201 Travel Operations</td>
</tr>
<tr>
<td>TTA 301 World Markets</td>
</tr>
<tr>
<td>TTA 100 Tour Management</td>
</tr>
</tbody>
</table>

Total Elective Credits: 9

---

**FOOTNOTES**

1. Please note that MAT 012 or MAT 051 or exemption from Elementary Algebra is a prerequisite for MAT 150. Intermediate Algebra (MAT 056) is a prerequisite for MAT 200 and MAT 206.

2. For students whose first language is not English, SPE 102 will also satisfy this requirement.

3. Choose from AST 110, BIO 110, CHE 110 or PHY 110.

---

**CHILD CARE/EARLY CHILDHOOD EDUCATION (ECE)**

The Child Care/Early Childhood Education Program provides a core of Liberal Arts courses as well as specialized courses in child care and early childhood education. The program offers two career areas of study: Infant Toddler and Pre-School.

Students will find many career choices in the Child Care curriculum. These include working directly with children in early childhood education settings such as: Day Care Center and Head Start. Upon satisfactory completion of program requirements, the Associate in Applied Science (A.A.S.) degree is awarded.

#### General Requirements

| ENG 101 English Composition I | 3 |
| ENG 201 English Composition II | 3 |
| HED 100 Health Education | 2 |
| MAT 100 Fundamental of Mathematics ¹ | 4 |
| MAT 114 Mathematics for Elementary Education ¹ | 4 |
| MAT 150 Introduction to Statistics | 4 |
| SPE 100 Fundamentals of Speech ² | 3 |
| XXX xxx General Elective | 2 |
| XXX xxx Music or Art ³ | 2 |
| XXX xxx Science ⁴ | 4 |
| XXX xxx Social Science ⁵ | 3 |

Total General Credits: 26

#### Curriculum Requirements

| ECE 102 Early Child Education I | 3 |
| XXX xxx Social Science ⁶ | 9 |
| XXX xxx Modern Foreign Language ⁷ | 3-4 |
| XXX xxx Modern Foreign Language ⁷ | 3-4 |

Total Curriculum Credits: 18-20
### COMPUTER OPERATIONS

**Infant Toddler Area of Study**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 201</td>
<td>The Exceptional Child</td>
<td>3</td>
</tr>
<tr>
<td>ECE 204</td>
<td>Infant Care Curriculum &amp; Planning Program</td>
<td>3</td>
</tr>
<tr>
<td>ECE 303</td>
<td>Early Childhood Education II (Practicum)</td>
<td>3</td>
</tr>
<tr>
<td>ECE 304</td>
<td>Toddler Care Curriculum &amp; Program Planning II</td>
<td>3</td>
</tr>
<tr>
<td>ECE 403</td>
<td>Supervised Instructional Experience with Infants and Toddlers (Practicum)</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits In Area of Study: 16
Total Program Credits: 60-62

**Pre School Area of Study**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 201</td>
<td>The Exceptional Child</td>
<td>3</td>
</tr>
<tr>
<td>ECE 202</td>
<td>Curriculum &amp; Program Planning for Young Children I</td>
<td>3</td>
</tr>
<tr>
<td>ECE 301</td>
<td>Early Childhood Education II (Practicum)</td>
<td>3</td>
</tr>
<tr>
<td>ECE 302</td>
<td>Curriculum &amp; Program Planning for Young Children II</td>
<td>3</td>
</tr>
<tr>
<td>ECE 401</td>
<td>Supervised Instructional Experience with Young Children (Practicum)</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits in Area of Study: 16
Total Program Credits: 60-62

---

**FOOTNOTES:**

1. Students who have taken MAT 100 may not receive credit for MAT 114. Please note that MAT 012 or MAT 051 or exemption from Elementary Algebra, is a prerequisite for all 100-level math courses.

2. For students whose first language is not English, SPE 102 will also satisfy this requirement.

3. Note: Some Music courses are one credit. A total of two credits is required.

4. Choose from ASY 110, BIO 110, CHE 110 or PHY 110.

5. Choose from ECO 100 or POL 105.

6. Choose nine credits from the following: PSY 100, PSY 250, SOC 100, SOC 240 or SOC 250.

7. For students who are native speakers of a language other than English, testing and placement by the Modern Language Department is required.

### COMPUTER OPERATIONS (CMO)

Computer Operations prepares students to operate sophisticated, state-of-the-art computer equipment. Students are also given in-depth instruction in JCL, telecommunications networks, and operating systems concepts. Upon completion of program requirements, students are awarded the Associate in Applied Science (A.A.S.) degree.

#### General Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>XXX</td>
<td>Elective</td>
<td>10</td>
</tr>
<tr>
<td>MAT</td>
<td>Mathematics</td>
<td>2</td>
</tr>
</tbody>
</table>

Total General Credits: 20

#### Curriculum Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110</td>
<td>Computer Programming I</td>
<td>4</td>
</tr>
<tr>
<td>CIS 120</td>
<td>Data Base Management</td>
<td>2</td>
</tr>
<tr>
<td>CIS 140</td>
<td>Spreadsheet Applications</td>
<td>2</td>
</tr>
<tr>
<td>CIS 235</td>
<td>Computer Operations I</td>
<td>4</td>
</tr>
<tr>
<td>CIS 335</td>
<td>Computer Operations II/JCL</td>
<td>3</td>
</tr>
<tr>
<td>CIS 345</td>
<td>Telecommunications Networks I</td>
<td>4</td>
</tr>
<tr>
<td>CIS 445</td>
<td>Telecommunications Networks II/LAN</td>
<td>4</td>
</tr>
<tr>
<td>ACC 122</td>
<td>Accounting Principles I</td>
<td>4</td>
</tr>
<tr>
<td>ACC 222</td>
<td>Accounting Principles II</td>
<td>4</td>
</tr>
<tr>
<td>BUS 104</td>
<td>Introduction to Business OR</td>
<td>3</td>
</tr>
<tr>
<td>BUS 200</td>
<td>Business Organization &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>CED 201</td>
<td>Career Planning</td>
<td>3-4</td>
</tr>
<tr>
<td>CED 315</td>
<td>CIS Internship I</td>
<td>3-4</td>
</tr>
<tr>
<td>XXX</td>
<td>Elective</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Total Curriculum Credits: 40-42
Total Program Credits: 60-62
FOOTNOTES
1 Choose not more than one course per category, except in Music where two credits may be chosen: HED 100, SPE 100, or SPE 102 for students whose first language is not English, Social Science, Music or Art, or Science (AST 110, CHE 110, BIO 110, or PHY 110).
2 Choose from MAT 150, MAT 200, MAT 206, MAT 301, or MAT 402. Please note that MAT 012 or MAT 051 or exemption from Elementary Algebra is a prerequisite for MAT 150, and Intermediate Algebra (MAT 056) is a prerequisite for MAT 200 and MAT 206.
3 A Business Management, MMP, CIS or CSC elective may be substituted for CED 201 and CED 315.
4 Choose one course from Business Management, ACC, MMP, CIS or CSC.

COMPUTER PROGRAMMING (CMP)
Computer Programming focuses on the application of computers in a business environment with an emphasis on the analysis and design of business information systems. Upon completion of program requirements, students are awarded the Associate in Applied Science (A.A.S.) degree.

<table>
<thead>
<tr>
<th>General Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 English Composition I</td>
</tr>
<tr>
<td>ENG 201 English Composition II</td>
</tr>
<tr>
<td>XXX xx1 Elective1</td>
</tr>
<tr>
<td>MAT xxx Mathematics2</td>
</tr>
<tr>
<td><strong>Total General Credits</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Curriculum Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110 Computer Programming I</td>
</tr>
<tr>
<td>CSC 210 Computer Programming II</td>
</tr>
<tr>
<td>CIS 325 Systems Analysis</td>
</tr>
<tr>
<td>CIS 365 Business Systems I</td>
</tr>
<tr>
<td>CIS 420 Systems Implementation</td>
</tr>
<tr>
<td>CIS 465 Business Systems II</td>
</tr>
<tr>
<td>XXX xx1 CIS or CSC Elective3</td>
</tr>
<tr>
<td>ACC 122 Accounting Principles I</td>
</tr>
<tr>
<td>ACC 222 Accounting Principles II</td>
</tr>
<tr>
<td><strong>BUS 104 Introduction to Business OR BUS 200 Business Organization &amp; Management</strong></td>
</tr>
<tr>
<td><strong>CED 201 Career Planning 3-4</strong> AND <strong>CED 315 CIS Internship 1</strong></td>
</tr>
<tr>
<td><strong>Total Curriculum Credits</strong></td>
</tr>
<tr>
<td><strong>Total Program Credits</strong></td>
</tr>
</tbody>
</table>

FOOTNOTES:
1 Choose not more than one course per category, except in Music where two credits may be chosen: HED 100, SPE 100 or SPE 102 for students whose first language is not English; Social Science, Music or Art, or Science (AST 110, CHE 110, BIO 110, or PHY 110).
2 Choose from MAT 150, MAT 200, MAT 206, MAT 301, or MAT 402. Please note that MAT 012 or MAT 051 or exemption from Elementary Algebra is a prerequisite for MAT 150 and Intermediate Algebra (MAT 056) is a prerequisite for MAT 200 and MAT 206.
3 Choose one from CIS 220, 340, CIS 345, 380, CIS 440, CIS 445 or CSC 230, CSC 310, CSC 330, CSC 410, CSC 430 or MMP 200, 220, 320, 420.
4 Choose CIS, CSC or MMP, Business Management, ACC or both CED 201 and CED 315.
5 Choose one course from ACC, Business Management, CIS or CSC or MMP.

COMPUTER SCIENCE (CSC)
Computer Science provides students with an understanding of the theory that underlies the existence, organization and applications of computers. Upon completion of program requirements, students are awarded the Associate in Science (A.S.) degree.

<table>
<thead>
<tr>
<th>General Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 English Composition I</td>
</tr>
<tr>
<td>ENG 201 English Composition II</td>
</tr>
<tr>
<td>SPE 100 Fundamentals of Speech1</td>
</tr>
</tbody>
</table>
### Corporate and Cable Communications (CCC)

The Corporate and Cable Communications Program, administered by the Speech, Communications and Theatre Arts Department (see pp. 105-108 for course descriptions), may prepare students for entry-level videotape production and operations/management positions in corporate communications departments, audiovisual production companies, industrial videotape production centers, and the cable television industry.

Students in this program gain hands-on experience in BMCC's television studios and learn how to create and produce professional videotape productions designed to serve corporate and cable television needs. In addition, they are required to do an internship at a professional media facility. Besides the practical experience gained, theoretical material is covered in class lectures.

Upon successful completion of the requirements listed below, students will receive the Associate in Applied Science (A.A.S.) degree. Courses in the Corporate and Cable Communications Program (CCC courses) are restricted to students enrolled in the program.

#### General Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HED 100</td>
<td>Health Education</td>
<td>2</td>
</tr>
<tr>
<td>MAT 100</td>
<td>Fundamentals of Mathematics ¹</td>
<td>4</td>
</tr>
<tr>
<td>MAT 150</td>
<td>Introduction to Statistics ¹</td>
<td>4</td>
</tr>
<tr>
<td>PHY 110</td>
<td>General Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHY 400</td>
<td>Physics of Music</td>
<td>4</td>
</tr>
<tr>
<td>SPE 100</td>
<td>Fundamentals of Speech ²</td>
<td>3</td>
</tr>
<tr>
<td>XXX XXX</td>
<td>Social Science Elective ³</td>
<td>3</td>
</tr>
<tr>
<td>XXX XXX</td>
<td>General Elective</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total General Credits**: 47

**Total Program Credits**: 50

#### Curriculum Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCC 150</td>
<td>Introduction to Corporate Media Applications</td>
<td>3</td>
</tr>
<tr>
<td>CCC 155</td>
<td>Non-Broadcast Television</td>
<td>3</td>
</tr>
<tr>
<td>CCC 160</td>
<td>T.V. Studio Production for Business I</td>
<td>3</td>
</tr>
<tr>
<td>CCC 170</td>
<td>Remote Production/Video Editing I</td>
<td>3</td>
</tr>
<tr>
<td>CCC 260</td>
<td>T.V. Studio Production for Business II</td>
<td>3</td>
</tr>
<tr>
<td>CCC 270</td>
<td>Remote Production/Video Editing II</td>
<td>3</td>
</tr>
<tr>
<td>CCC XXX</td>
<td>Program Elective ⁴</td>
<td>3</td>
</tr>
<tr>
<td>XXX XXX</td>
<td>Art Elective</td>
<td>2</td>
</tr>
<tr>
<td>BUS 200</td>
<td>Business Organization &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 100</td>
<td>Introduction to Computer Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Curriculum Credits**: 24

---

**FOOTNOTES**:

¹ For students whose first language is not English, SPE 102 will also satisfy this requirement.

² Choose one course in anthropology, economics, geography, history, philosophy, political science, psychology, sociology or any Ethnic Studies social science course.

³ Please note that Elementary Algebra (MAT 051) and Intermediate Algebra (MAT 056) are prerequisites for MAT 200.

⁴ MAT 206 is a prerequisite for MAT 301.
Degree Programs

ENGINEERING SCIENCE

CED 201 Career Planning 2
CED 371 Corporate & Cable Communications Internship I 2
SPE 245 Mass Media 3

Total Curriculum Credits 36
Total Program Credits 60

FOOTNOTES
1 Please note that MAT 012 or MAT 051 or exemption from Elementary Algebra is a prerequisite for MAT 100 and MAT 150.
2 For students whose first language is not English, SPE 102 will also satisfy this requirement.
3 Choose one course from anthropology, economics, geography history, philosophy, political science, psychology sociology or any Ethnic Studies social science course.
4 Choose from CCC 300, CCC 301, CCC 302, CCC 306, SPE 240.

ENGINEERING SCIENCE (ESC)
The Department of Science offers an A.S. degree program in Engineering Science. The program provides students with the basic education necessary to enter the third year of an engineering major. Its objectives are to offer a curriculum that meets the needs and interests of engineering oriented students enrolled at the College; to include in this curriculum the basic science and mathematics of the first years of an engineering education; and to prepare students to successfully pursue their education in the upper division of engineering programs which lead to careers for chemical, mechanical, civil, electrical, computer and other engineering specializations. The curriculum includes courses in the physical sciences, computer methods and mathematics, as well as the liberal arts courses required in engineering programs.

Curriculum Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 210</td>
<td>Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHE 220</td>
<td>Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>ESC 111</td>
<td>Elements of Engineering Design</td>
<td>1</td>
</tr>
<tr>
<td>ESC 113</td>
<td>Computer Aided Analysis for</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Engineering</td>
<td></td>
</tr>
<tr>
<td>MAT 301</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 302</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MAT 303</td>
<td>Analytic Geometry and Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MAT 501</td>
<td>Ordinary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHY 215</td>
<td>University Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 225</td>
<td>University Physics II</td>
<td>4</td>
</tr>
<tr>
<td>SCI 120</td>
<td>Computer Methods in Science</td>
<td>4</td>
</tr>
<tr>
<td>SCI 121</td>
<td>Computer Methods in Science</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>(Pascal)</td>
<td></td>
</tr>
</tbody>
</table>

Total Curriculum Credits 38

Curriculum Electives
(Choose 13 credits from the following)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 230</td>
<td>Organic Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHE 240</td>
<td>Organic Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>ESC 130</td>
<td>Engineering Graphics</td>
<td>2</td>
</tr>
<tr>
<td>ESC 201</td>
<td>Engineering Mechanics I</td>
<td>3</td>
</tr>
<tr>
<td>ESC 202</td>
<td>Engineering Mechanics II</td>
<td>3</td>
</tr>
<tr>
<td>ESC 211</td>
<td>Thermodynamics I</td>
<td>3</td>
</tr>
<tr>
<td>ESC 221</td>
<td>Circuits and Systems I</td>
<td>3</td>
</tr>
<tr>
<td>ESC 223</td>
<td>Switching Systems and Logic Design</td>
<td>3</td>
</tr>
<tr>
<td>GLY 210</td>
<td>Geology I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 315</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PHY 240</td>
<td>Modern Physics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Curriculum Elective Credits 13
Total Program Credits 66

FOOTNOTES
1 For students whose first language is not English, SPE 102 will also satisfy this requirement.
2 Choose two courses in anthropology, economics, geography history, philosophy, political science, psychology sociology, or any Ethnic Studies social science course. Obtain advisement to
determine which social science courses will be accepted for transfer by engineering colleges.

3 MAT 206 is a prerequisite for MAT 301.

4 Depending upon the combination of elective courses chosen, the total program credits may exceed 65.

HEALTH INFORMATION TECHNOLOGY (HIT)
The Health Information Technology Program, administered by the Allied Health Sciences Department (see pp. 46-51 for course descriptions), equips students with the competencies to use manual or computerized health information systems that collect data for analysis, interpretation and dissemination to physicians, patients, public/private agencies, and other health care facilities. Health information maintained within the manual or electronic files can be used for quality assurance, subsequent patient care, medical research, financial reimbursement and legal purposes. Students may matriculate in a day or part-time evening/weekend sequence. Upon successful completion of the requirements listed, students receive the Associate in Applied Science (A.A.S.) degree and are eligible for the certification examination offered by the American Health Information Management Association.

Program Policies: In order to maintain eligibility in the program, students must attain an average of C or better in all HIT courses, including CIS 105 and CIS 205. Students who fail any Health Information Technology course, including CIS 105 and CIS 205, may repeat such course only once. Students who have been academically dismissed must attain a Grade Point Average (GPA) of 2.0 or above in order to re-enter the Health Information Technology program. BMCC students wishing to transfer into Health Information Technology must also have attained a GPA of 2.0 or above.

NOTE: Admission to the HIT sequence occurs in September only. All students must complete any remedial requirements prior to admission to the HIT sequence. All students are required to show proof of physical examination, per New York State Department of Health requirements for hospital personnel.

<table>
<thead>
<tr>
<th>General Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 English Composition I</td>
</tr>
<tr>
<td>ENG 201 English Composition II</td>
</tr>
<tr>
<td>MAT 150 Introduction to Statistics</td>
</tr>
<tr>
<td>PSY 100 General Psychology</td>
</tr>
<tr>
<td>SPE 100 Fundamentals of Speech</td>
</tr>
</tbody>
</table>

| Total General Credits | 16 |

<table>
<thead>
<tr>
<th>Curriculum Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIT 103 Medical Terminology I</td>
</tr>
<tr>
<td>HIT 104 Introduction to Health Data Information</td>
</tr>
<tr>
<td>HIT 105 Retention &amp; Retrieval of Health Information</td>
</tr>
<tr>
<td>HIT 203 Medical Terminology II</td>
</tr>
<tr>
<td>HIT 204 Health Statistics</td>
</tr>
<tr>
<td>HIT 205 Health Record Systems</td>
</tr>
<tr>
<td>HIT 206 Pathology of Disease</td>
</tr>
<tr>
<td>HIT 210 Medical Record Summer Clinical Practicum</td>
</tr>
<tr>
<td>HIT 330 Medical Coding I</td>
</tr>
<tr>
<td>HIT 331 Medicolegal Applications</td>
</tr>
<tr>
<td>HIT 332 Quality Assurance &amp; Form Design</td>
</tr>
<tr>
<td>HIT 421 Medical Coding II</td>
</tr>
<tr>
<td>HIT 422 Health Care Delivery Systems</td>
</tr>
<tr>
<td>HIT 423 Medical Record Management</td>
</tr>
<tr>
<td>HIT 430 Medical Record Clinical Practicum</td>
</tr>
<tr>
<td>BIO 425 Anatomy and Physiology I</td>
</tr>
<tr>
<td>BIO 426 Anatomy and Physiology II</td>
</tr>
<tr>
<td>CIS 105 Introduction to Computerized Medical Records</td>
</tr>
<tr>
<td>CIS 205 Advanced Computerized Medical Records</td>
</tr>
</tbody>
</table>

| Total Curriculum Credits | 48 |
| Total Program Credits | 64 |

FOOTNOTES

1 Please note that MAT 012 or MAT 051 or exemption from Elementary Algebra is a prerequisite for MAT 150.

2 For students whose first language is not English, SPE 102 will also satisfy this requirement.
HUMAN SERVICES • LIBERAL ARTS

3 Students enrolled in clinical field work courses are required to obtain liability insurance. Moderate group rates are available. Students are responsible for their own transportation expenses when fulfilling clinical practice requirements. Students receive no monetary compensation when fulfilling clinical practice requirements.

4 Please note that General Chemistry (CHE 110) is a prerequisite for BIO 425.

HUMAN SERVICES (HUM)
The Human Services program is designed for students who wish to prepare themselves for careers that focus on helping people to solve problems and to live more satisfying lives. These careers may encompass jobs in the following general areas: social work, counseling, rehabilitation, recreation, child welfare, public welfare, social security, developmental and physical disabilities, substance abuse, and services for older adults and others.

Students receive an Associate in Science (A.S.) degree upon successful completion of the program.

General Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HED 100</td>
<td>Health Education</td>
<td>2</td>
</tr>
<tr>
<td>MAT 150</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>SPE 100</td>
<td>Fundamentals of Speech²</td>
<td>3</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Science³</td>
<td>4</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Modern Foreign Language⁴</td>
<td>3-4</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Modern Foreign Language⁴</td>
<td>3-4</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Music or Art⁵</td>
<td>2</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Elective</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>29-31</td>
</tr>
</tbody>
</table>

Curriculum Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 101</td>
<td>Introduction to Human Services &amp; Social Work</td>
<td>3</td>
</tr>
<tr>
<td>HUM 201</td>
<td>Human Services Skills</td>
<td>4</td>
</tr>
<tr>
<td>HUM 211</td>
<td>Introduction to Gerontology OR</td>
<td>3</td>
</tr>
<tr>
<td>HUM 212</td>
<td>Introduction to Disabilities &amp; Behavior Change</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>31</td>
</tr>
</tbody>
</table>

Total Curriculum Credits

Total Program Credits

60-62

FOOTNOTES:

1 Please note that MAT 012 or MAT 051 or exemption from Elementary Algebra is a prerequisite to MAT 150.
2 For Students whose first language is English, SPE 102 will satisfy this requirement.
3 Choose from AST 110, BIO 110, CHE 110, or PHY 110.
4 A two-semester sequence in the same language is required. For students who are native speakers of Chinese, French, Italian or Spanish, testing and placement by the Modern Language Department is required.
5 Note: Some Music courses are one credit. A total of two credits is required.
6 Choose from PSY 240, PSY 250, PSY 260 or SOC 250.

LIBERAL ARTS (LIB)
The Liberal Arts Program at Borough of Manhattan Community College provides each student with a well-rounded background in the sciences, humanities, mathematics, and languages. The program also allows students to enter four-year colleges of their choice after successful completion of the Associate Degree requirements. The Liberal Arts Program awards the Associate in Arts (A.A.) degree.

This program provides a variety of courses in many different areas. Students who choose the Liberal Arts program are usually interested in preparing for careers in teaching, law, medicine, the humanities, the social sciences, counseling, journalism, or other broad areas.

NOTE: Liberal Arts students may take a maximum of six elective credits in the career departments. Any additional credits will not
be accepted toward the Liberal Arts degree. In addition, DSL 101 cannot be used as a liberal arts elective.

<table>
<thead>
<tr>
<th>Program Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>ENG 3xx English Elective¹</td>
<td>3</td>
</tr>
<tr>
<td>HED 100 Health Education</td>
<td>2</td>
</tr>
<tr>
<td>MAT 100 Fundamentals of Mathematics²</td>
<td>4</td>
</tr>
<tr>
<td>MAT 125 Modern Applied Mathematics²</td>
<td>4</td>
</tr>
<tr>
<td>MAT 150 Introduction to Statistics²</td>
<td>4</td>
</tr>
<tr>
<td>MAT 200 Discrete Mathematics²</td>
<td>4</td>
</tr>
<tr>
<td>MAT 206 Mathematical Foundation for Calculus²</td>
<td>4</td>
</tr>
<tr>
<td>MAT 214 Mathematics for Elementary Education I²</td>
<td>4</td>
</tr>
<tr>
<td>MAT 301 Analytic Geometry and Calculus²</td>
<td>4</td>
</tr>
<tr>
<td>SPE 100 Fundamentals of Speech³</td>
<td>3</td>
</tr>
<tr>
<td>XXX xxx Modern Foreign Language⁴</td>
<td>6-8</td>
</tr>
<tr>
<td>XXX xxx Music or Art⁵</td>
<td>2</td>
</tr>
<tr>
<td>XXX xxx Science⁶</td>
<td>8</td>
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<tr>
<td>XXX xxx Social Science Electives⁷</td>
<td>12</td>
</tr>
<tr>
<td>XXX xxx Liberal Arts Electives⁸</td>
<td>14</td>
</tr>
</tbody>
</table>

Total Programs Credits: 60-62

FOOTNOTES

¹ Choose from any English (ENG) 300 level course or any ASP or AFT 300 level literature course.

² Please note that MAT 012 or MAT 051 or exemption from Elementary Algebra is a prerequisite for MAT 100. MAT 125 and MAT 150. Intermediate Algebra (MAT 056) is a prerequisite for MAT 200, MAT 206 and MAT 214. MAT 104 and MAT 109 do not meet the liberal arts math requirement.

³ For students whose first language is not English, SPE 102 will also satisfy this requirement.

⁴ A two-semester sequence in the same language is required. For students who are native speakers of Chinese, French, Italian, or Spanish, testing and placement by the Modern Language Department is required. Spanish language literature courses offered by the Center for Ethnic Studies may also be used to satisfy the liberal arts foreign language requirement.

⁵ Note: Some Music courses are one credit. A total of two credits is required.

⁶ Choose from two semesters of AST 110, BIO 110, CHE 110, PHY 110; or two consecutive semesters of BIO 210 and BIO 220, CHE 210 and CHE 220, or PHY 210 and PHY 220. Please note that BIO 420, BIO 425, BIO 426, CHE 118, CHE 120, CHE 230, and CHE 240 do not satisfy the liberal arts science requirement.

⁷ Choose courses in anthropology, economics, geography, history, philosophy, political science, psychology, sociology, or any Ethnic Studies social science course in one of the above categories. Students are required to take a social science course in four different disciplines.

⁸ A maximum of six elective credits may be taken in career departments. DSL cannot be used as a liberal arts elective.

MATHEMATICS (MAT)
The Department of Mathematics offers an A.S. degree in Mathematics. The program is designed to provide students with the first two years of study required to major in mathematics at the senior college level but is also suitable for students who wish to minor in mathematics at the senior college level, and it provides the foundation for specialization along any of the following career paths: graduate studies in mathematics leading to the masters or doctoral degrees; professional in the field of mathematics education; professions requiring substantial mathematics preparation (e.g., statistician, actuary, medical or physical sciences, economics, etc.)

In addition to certain prescribed courses in liberal arts and required coursework in elementary calculus and linear algebra, the curriculum offers additional selections from among the following: ordinary differential equations, advanced calculus, abstract algebra, history of mathematics, statistics, and computer programming.
# Degree Programs

## MULTIMEDIA PROGRAMMING AND DESIGN

### General Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HED 100</td>
<td>Health Education</td>
<td>2</td>
</tr>
<tr>
<td>XXX</td>
<td>Modern Foreign Language</td>
<td>6-8</td>
</tr>
<tr>
<td>XXX</td>
<td>Music or Art</td>
<td>2</td>
</tr>
<tr>
<td>SPE 100</td>
<td>Fundamentals of Speech</td>
<td>3</td>
</tr>
<tr>
<td>XXX</td>
<td>Science</td>
<td>8</td>
</tr>
<tr>
<td>XXX</td>
<td>Social Science</td>
<td>6</td>
</tr>
<tr>
<td>XXX</td>
<td>Electives</td>
<td>3-4</td>
</tr>
</tbody>
</table>

**Total General Credits: 36-39**

### Curriculum Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 301</td>
<td>Analytic Geometry and Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 302</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MAT 303</td>
<td>Analytic Geometry &amp; Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MAT 315</td>
<td>Linear Algebra</td>
<td>3</td>
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</table>

**Total Curriculum Credits: 15**

### Program Electives

(Choose three or more courses for a total of nine credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 209</td>
<td>Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MAT 320</td>
<td>Abstract Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAT 501</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MAT 505</td>
<td>History of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 601</td>
<td>Advanced Calculus</td>
<td>4</td>
</tr>
<tr>
<td>CSG 210</td>
<td>Computer Programming II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Elective Credits: 9**

**Total Program Credits: 60-63**

### FOOTNOTES

1. A two-semester sequence in the same language is required. For students who are native speakers of Chinese, French, Italian, or Spanish, testing and placement by the Modern Language Department is required.

2. Note: Some Music courses are one credit. A total of two credits is required.

3. For students whose first language is not English, SPE 102 will also satisfy this requirement.

4. Choose from PHY 210-220; PHY 215-225; CHE 210-220; or BIO 210-220.

5. Choose two courses from anthropology, economics, geography, history, philosophy, political science, psychology, sociology or any Ethnic Studies social sciences course.

## MULTIMEDIA PROGRAMMING AND DESIGN (MMD)

The Multimedia Programming and Design Program prepares students for careers in a variety of "multimedia industries", companies and institutions that develop, produce or market multimedia products, programs or services. The program instructs students in the design and programming of computer-based interactive products that incorporate text, graphics, sound, animation and video. It also develops different types of talent, both creative and technical, with the imperative that each understands the work of the other so that they can collaborate effectively. Students must complete a specialization in multimedia programming, art and design or video production in addition to the general and core requirements.

Upon successful completion of the curriculum, students are awarded an Associate in Applied Science degree (A.A.S.) and may transfer to senior institutions such as York, NYU or New York City Technical College.

### General Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAT 150</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>XXX</td>
<td>Science Elective</td>
<td>4</td>
</tr>
<tr>
<td>XXX</td>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>SPE 100</td>
<td>Fundamentals of Speech</td>
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</table>

**Total General Requirements: 20**

### Curriculum Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 105</td>
<td>Color and Design</td>
<td>2</td>
</tr>
<tr>
<td>CCC 150</td>
<td>Introduction to Corporate Media Applications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 100</td>
<td>Introduction to Computer Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

33
# Multimedia Programming and Design

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMP 100</td>
<td>Introduction to Multimedia</td>
<td>3</td>
</tr>
<tr>
<td>MMP 200</td>
<td>Multimedia Design</td>
<td>3</td>
</tr>
<tr>
<td>MMP 460</td>
<td>Multimedia Project Lab</td>
<td>4</td>
</tr>
<tr>
<td>CED 345</td>
<td>Multimedia Internship</td>
<td>2</td>
</tr>
</tbody>
</table>

* **Area Specialization** *(Computer Art and Design/Programming/Video Production)*

**Advised Electives**

- 8 Credits from:
  - CIS 160 Desktop Publishing 2
  - CIS 180 Introduction to the Internet 3
  - CIS 220 BASIC 3
  - CIS 280 Advanced Internet 3
  - CIS 380 Java Programming 3

* **Studio Drawing:**
  - ART 164 Life Drawing 2
  - ART 301 Drawing I 2
  - ART 302 Drawing II 2

* **Studio Painting:**
  - ART 171 Introduction to Painting 2
  - ART 271 Drawing I 2
  - ART 371 Drawing II 2

* **Studio Sculpture:**
  - ART 181 Introduction to Sculpture 2
  - ART 281 Sculpture I 2
  - ART 381 Sculpture II 2

* **Studio Photography:**
  - ART 234 Photography I 2
  - ART 334 Photography II 2

* **Design:**
  - ART 314 Advertising Design II 2
  - ART 324 Advertising Illustration II 2
  - ART 454 Graphic Design II 2

**Student will select electives that are most appropriate to their interests and specializations in consultation with a faculty advisor.**

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**FOOTNOTES**

1. Please note that MAT 012 or MAT 051 or exemption from Elementary Algebra is a prerequisite to MAT 150.
2. Choose from AST 110, BIO 110, CHE 110 and PHY 110.
3. For students whose first language is not English, SPE 102 will also satisfy this requirement.
NURSING (NUR)
The Nursing Department (Accredited by the National League for Nursing Accrediting Commission. (NLNAC) located at 61 Broadway, 23rd Floor, New York, NY 10006 (212) 363-5555 ext. 153 or (800) 669-1656 ext. 153 and registered by the New York State Education Department) offers a program that prepares students to become members of the health team, qualified to render effective nursing care in health service agencies and hospitals. The program combines classroom work with observation and practice at actual health care facilities. In addition, students are trained to become competent nurses who assist those persons who are responsible for facilitating the maintenance of health, the improvement of health status, the prevention of illness, and the alleviation of suffering.

Upon successful completion of 65 credits, the Associate in Applied Science (A.A.S.) Degree is granted and students are eligible to take the New York State Licensure Examination for Registered Nurse (RN).

Admission Policy:
All Pre-Clinical Nursing student records are compiled by the Pre-Clinical Nursing Coordinator and reviewed by the Department’s Admissions/Recruitment/Review Committee in order to determine eligibility into the Clinical Nursing Program. Students must meet the following criteria: Pass the CUNY Skills Assessment Tests in reading, writing, and mathematics. Complete the Pre-Clinical Nursing sequence with a minimum Grade Point Average (GPA) of 2.5; the lowest acceptable grade in Pre-Clinical Nursing courses is "C".

The department has a limit on the number of matriculants allowed in the clinical nursing sequence. While a College Grade Point Average (GPA) of 2.5 is the minimum requirement for consideration of an application, it does not guarantee admission into the clinical nursing sequence. The stronger the group of applicants in any given semester, the higher GPA needed for admission. The Department accepts CUNY’s policy in reference to the "F" and "C-" grade (policy adopted 9/1/90) for non-nursing courses. The "F" and "C-" policy does not apply to Nursing courses and the four Pre-Clinical nursing courses (ENG 101, PSY 100, MAT 104 and BIO 425). Source: CUNY "F" grade policy (revised 9/1/94). Effective Spring 1995.

Attain an over-all College cumulative average of 2.5 minimum. This average includes grades for ALL courses applicable to the Nursing Curriculum taken at or transferred into BMCC BEFORE ADMISSION into the Clinical Nursing Sequence.

Perform satisfactorily on the Pre-Nursing Examination of the National League for Nursing (NLN) as determined by the Board of Trustees' CUNY Formula. (Currently, the NLN Pre-Nursing Examination and the CUNY criteria have been temporarily waived)

NOTE: Because of budgetary and space considerations, only a limited number of qualified students are admitted into the Borough of Manhattan Community College's Nursing Program. Students with the higher ranking in both Grade Point Average (GPA)/Pre-Clinical Nursing index (P.C.I.) will be selected for admission into the Clinical Nursing Program. Due to limited seat availability, any Pre-Clinical nursing student who is eligible to enter the Nursing Program may be required to wait one to three semesters before beginning the clinical nursing sequence. However, the college does not guarantee entry into the program.

REQUIREMENTS AND SELECTION POLICIES:
Requirements for Admission into the Clinical Nursing Sequence (NUR):
All Pre-Clinical student records are compiled by the Pre-Clinical Coordinator and reviewed by the Department’s Admissions/Recruitment/Review Committee in order to determine eligibility for the Clinical Nursing Sequence. Students must meet the following criteria:

a. Pass the CUNY Skills Assessment Tests in reading, writing, and mathematics.

b. Complete the Pre-Clinical Nursing Sequence with a minimum Grade Point Average (GPA) of 2.5; the lowest acceptable grade in Pre-Clinical Nursing courses is "C". The Department accepts CUNY’s policy in reference to the "F" and "C-" grade (policy adopted 9/1/90) for non-nursing courses. The "F" and "C-" policy does not apply to the Nursing courses and the four Pre-Clinical nursing courses (ENG 101, PSY 100, MAT 104, and BIO 425). Source: CUNY "F" grade policy (revised 9/1/94). Effective Spring 1995.
c. Maintain an over-all GPA of 2.5. This average includes grades for all courses applicable to the nursing curriculum taken at or transferred into BMCC before admission into the Clinical Nursing Sequence.

d. Perform satisfactorily on the Pre-Nursing Examination of the National League for Nursing (NLN) as determined by the CUNY Board of Trustees' formula. (Currently, the NLN Pre-Nursing Examination and the CUNY criteria have been temporarily waived).

e. Questions or concern about the nursing program may be directed to the National League for Nursing Accrediting Commission.

NOTE: The department has a limit on the number of matriculants allowed in the clinical nursing sequence. While a College Grade Point Average (GPA) of 2.5 is the minimum requirement for consideration of an application, IT DOES NOT GUARANTEE ADMISSION INTO THE CLINICAL NURSING SEQUENCE. The stronger the group of applicants in any given semester, the higher the GPA needed for admission.

Progression Policy:

a. All clinical students must maintain a cumulative GPA of 2.0 or better in order to remain in the Nursing Program. Students who pass a nursing course, but whose overall (cumulative) GPA falls below 2.0 may not advance to the next semester. Non-nursing course grades are computed into the cumulative GPA every semester.

b. The clinical laboratory is an integral part of the Clinical Nursing Sequence. Clinical nursing students must pass the clinical laboratory segment and attain a minimum grade of "C" (73-76%) in departmental course examinations.

c. Students must pass both clinical and classroom components. Failure to pass in either area constitutes a failure in the course. Students who earn an "NC" grade (excluding NUR 112) may be eligible to repeat the course the following semester depending upon the availability of seats and the student's cumulative GPA.

Repeat/Withdrawal Policy:

Clinical nursing students may not repeat NUR 112 and may only withdraw from this course once. After NUR 112, students may enroll in only one nursing course twice (depending upon availability of seats and the student’s cumulative GPA); all other courses must be satisfactorily completed the first time. Students repeating a nursing course are required to earn a grade of "C+" (77-79%) in order to pass the course. If after repeating a nursing course, the student receives a grade of less than "C+,” the student receives the grade earned, but is automatically ineligible to continue in the Nursing Program.

Transfer Students:

a. Transfer students are held to the same criteria as all other students applying to the Nursing Program. (Thus, the inclusion of grades earned in the Pre-Clinical Nursing courses ensures equal standing among all students applying for admission into Clinical Nursing.) Transfer students must ensure that the BMCC Office of Admissions has accepted their transfer credits. Students who are requesting credit to be applied to the Nursing curriculum must also submit transcripts from former colleges to the Pre-Clinical Nursing Coordinator in the Department of Nursing.

b. Transfer grades in English 101, Psychology 100, and Anatomy and Physiology I will be computed into the Pre-Clinical Nursing index. A transferred grade of "C" in all three courses will make the student automatically ineligible for entry into the Nursing Program.

c. A grade of "D" is not transferable into the Nursing Program, although it is transferable into the College. Therefore, if a grade of "D" in a Pre-Clinical Nursing course is transferred into the College for credit, the student is automatically ineligible for entry into the Nursing Program.

Re-Entry Policy:

To be considered for re-entry, students must submit a written request to the Nursing Department Chairperson by May 1st for the Fall semester and by December 1st for the Spring semester. Students who have not enrolled in Clinical Nursing for more than one semester must meet regular departmental requirements, have a current
cumulative GPA of 2.0 or better, and take and pass (with a grade of 73% or above) a comprehensive examination in Nursing courses previously successfully completed. Students who have not enrolled in the Nursing Program for more than five years are ineligible for re-entry into the Program. The College does not guarantee re-entry into the Nursing Program.

Termination Policy:
The Department of Nursing’s guidelines for student behavior is consistent with that of the College. Students are expected to adhere to the Code for Nurses and demonstrate professional behavior.

Students who do not adhere to departmental policies may be subject to formal disciplinary procedures as outlined in Articles 15.3 to 15.5 of the Board of Trustees’ CUNY Bylaws.

LICENSED PRACTICAL NURSE CAREER LADDER PILOT PROGRAM
In order to provide credit for prior educational experiences and to allow Licensed Practical Nurses to complete the nursing curriculum with less time and expense, the Nursing Department provides a career ladder for LPNs to challenge the Nursing Fundamentals course by taking the NLN Nursing Profile Examination. Upon successful completion of this exam and of the Nursing Concepts Course (NUR 120), students will be exempt from taking NUR 112. This program is temporarily suspended.

PART-TIME EVENING/WEEKEND NURSING PROGRAM
Borough of Manhattan Community College has established an evening/weekend Associate Degree in Nursing Program for part-time students. The BMCC program is designed to be completed by the part-time student in three years and will articulate completely with the RN/Baccalaureate Degree in Nursing Program at Medgar Evers College.

Both programs are intended to fulfill goals and aspirations of a large segment of New York City residents who have been denied access into nursing degree programs in the City University due to financial and/or family obligations that require them to engage in full-time employment during the day hours.

All students interested in nursing must see the Pre-Clinical Nursing Coordinator.

NOTE: Applicants for admission to the Nursing Program will be required to meet the physical and mental health standards set forth by the College and affiliating agencies. All students are required to show proof of physical examination for clinical placement, per New York State Department of Health requirements for hospital personnel. All students must show proof of current malpractice insurance for one to three million dollars.

<table>
<thead>
<tr>
<th>Pre-Clinical Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 English Composition I</td>
</tr>
<tr>
<td>MAT 104 Mathematics for Health Science</td>
</tr>
<tr>
<td>PSY 100 Introduction to Psychology</td>
</tr>
<tr>
<td>BIO 425 Anatomy &amp; Physiology I</td>
</tr>
<tr>
<td><strong>Total Pre-Clinical Credits</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 426 Anatomy &amp; Physiology II</td>
</tr>
<tr>
<td>BIO 420 Microbiology</td>
</tr>
<tr>
<td>ENG 201 English Composition II</td>
</tr>
<tr>
<td>PSY 240 Developmental Psychology</td>
</tr>
<tr>
<td>Or</td>
</tr>
<tr>
<td>SOC 100 Introduction to Sociology</td>
</tr>
<tr>
<td>SPE 100 Fundamentals of Speech</td>
</tr>
<tr>
<td>XXX xxx General Elective</td>
</tr>
<tr>
<td><strong>Total General Credits</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Curriculum Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 112 Nursing Process Level I Fundamentals of Patient Care</td>
</tr>
<tr>
<td>NUR 211 Nursing Process Level II Obstetrics &amp; Psychiatric Care</td>
</tr>
<tr>
<td>NUR 313 Nursing Process Level III Pediatric &amp; Medical Surgical Care</td>
</tr>
<tr>
<td>NUR 411 Nursing Process Level IV Medical Surgical Care</td>
</tr>
</tbody>
</table>
### Degree Programs

#### OFFICE AUTOMATION

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 415</td>
<td>Nursing Today &amp; Tomorrow</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Total Curriculum Credits</td>
<td>33</td>
</tr>
<tr>
<td></td>
<td>Total Program Credits</td>
<td>65</td>
</tr>
</tbody>
</table>

**FOOTNOTES**
1. Please note that MAT 012 or MAT 051 or exemption from Elementary Algebra is a prerequisite for MAT 104.
2. Please note that General Chemistry (CHE 110) is a prerequisite for BIO 425, BIO 426, and BIO 420.
3. For students whose first language is not English, SPE 102 will satisfy this requirement.
4. Students who are Licensed Practical Nurses may seek exemption by examination from NUR 112 and must subsequently enroll in NUR 120. This program is temporarily suspended.

#### OFFICE AUTOMATION CERTIFICATE PROGRAM (OAC)

The Office Automation Certificate Program has been designed for individuals who are currently employed in an office and need retraining or who need to upgrade their skills because of the impact of technology. The program is also geared for individuals entering the job market for the first time. Training in this program involves a comprehensive plan of study that endows the individuals with marketable skills for employment in a relatively short period of time. The program offers the individual a career path in the area of technology. The courses in this program are college credit bearing and can "seamlessly" be applied toward the Office Automation Associate in Applied Science degree.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total General Credits</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Curriculum Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF 101</td>
<td>Machine Transcription</td>
<td>4</td>
</tr>
<tr>
<td>OFF 220</td>
<td>Text Processing I</td>
<td>4</td>
</tr>
<tr>
<td>OFF 320</td>
<td>Text Processing II</td>
<td>2</td>
</tr>
<tr>
<td>OFF 322</td>
<td>Advanced OIS Functions</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Total General Credits</td>
<td>22-23</td>
</tr>
</tbody>
</table>

**FOOTNOTES**
1. Choose from Music or Art or Social Science
2. Choose from BUS 110 or BUS 104 or BUS 200

### OFFICE AUTOMATION (OAP)

The Office Automation program is designed for students who wish to obtain a degree and gain excellent working knowledge of text processing equipment.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HED 100</td>
<td>Health Education</td>
<td>2</td>
</tr>
<tr>
<td>MAT 150</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>SPE 100</td>
<td>Fundamentals of Speech</td>
<td>3</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Science</td>
<td>4</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Liberal Arts Elective</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>Total General Credits</td>
<td>22-23</td>
</tr>
</tbody>
</table>
Degree Programs

OFFICE OPERATIONS

Curriculum Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF 110</td>
<td>Keyboarding</td>
<td>2</td>
</tr>
<tr>
<td>OFF 101</td>
<td>Office Skills &amp; Machine Transcription</td>
<td>4</td>
</tr>
<tr>
<td>OFF 215</td>
<td>Communications for the Office</td>
<td>3</td>
</tr>
<tr>
<td>OFF 220</td>
<td>Text Processing I</td>
<td>4</td>
</tr>
<tr>
<td>OFF 320</td>
<td>Text Processing II</td>
<td>2</td>
</tr>
<tr>
<td>OFF 322</td>
<td>Advanced Text Processing Functions</td>
<td>2</td>
</tr>
<tr>
<td>OFF 330</td>
<td>Automated Office Administration</td>
<td>3</td>
</tr>
<tr>
<td>OFF 422</td>
<td>Text Processing III</td>
<td>2</td>
</tr>
<tr>
<td>OFF 430</td>
<td>OIS Supervision</td>
<td>2</td>
</tr>
<tr>
<td>ACC 122</td>
<td>Accounting Principles I</td>
<td>4</td>
</tr>
<tr>
<td>BUS 104</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>Business Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 200</td>
<td>Business Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>CED 201</td>
<td>Career Planning</td>
<td>2</td>
</tr>
<tr>
<td>AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CED 351</td>
<td>Office Administration Internship I</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Curriculum Credits: 36
Total Program Credits: 60-61

FOOTNOTES

1 Please note that MAT 012 or MAT 051 or exemption from Elementary Algebra is a prerequisite for MAT 150.
2 For students whose first language is not English, SPE 102 will also satisfy this requirement.
3 Choose from AST 110, BIO 110, CHE 110 or PHY 110.
4 Choose Music or Art or Social Science.

OFFICE OPERATIONS (OOA)

Students who choose Office Operations may select executive, legal, or education course offerings. Students who choose the Education course offerings are eligible to take the New York City School Secretary examination and to seek employment as secretaries to administrators in educational agencies and schools. The legal course offerings are ideal for those who wish to work as secretaries in legal departments or in executive law offices. Students who wish to work as administrative or supervising secretaries in government agencies as well as in private industry should consider taking the Executive Secretary course offerings.

General Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HED 100</td>
<td>Health Education</td>
<td>2</td>
</tr>
<tr>
<td>MAT 150</td>
<td>Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>SPE 100</td>
<td>Fundamentals of Speech</td>
<td>3</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Music or Art</td>
<td>2</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Science</td>
<td>4</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Social Science Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Total General Credits: 24

Curriculum Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF 101</td>
<td>Office Skills &amp; Machine Transcription</td>
<td>4</td>
</tr>
<tr>
<td>OFF 110</td>
<td>Keyboarding</td>
<td>2</td>
</tr>
<tr>
<td>OFF 202</td>
<td>Advanced Office Skills &amp; Machine Transcription</td>
<td>2</td>
</tr>
<tr>
<td>OFF 210</td>
<td>Formatting</td>
<td>2</td>
</tr>
<tr>
<td>OFF 215</td>
<td>Communications for the Office</td>
<td>3</td>
</tr>
<tr>
<td>OFF 220</td>
<td>Text Processing I</td>
<td>4</td>
</tr>
<tr>
<td>OFF 320</td>
<td>Text Processing II</td>
<td>2</td>
</tr>
<tr>
<td>OFF xxx</td>
<td>Departmental Electives</td>
<td>9</td>
</tr>
<tr>
<td>BUS 104</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS 200</td>
<td>Business Organization &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>CED 201</td>
<td>Career Planning</td>
<td>2</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CED 351</td>
<td>Office Administration Internship I</td>
<td>2</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Program Elective</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Total Curriculum Credits: 36-37
Total Program Credits: 60-61

FOOTNOTES

1 Please note that MAT 012, or MAT 051 or exemption from Elementary Algebra is a prerequisite for MAT 150.
2 For students whose first language is not English, SPE 102 will also satisfy this requirement.
3 Note: Some Music courses are one credit. A total of two credits is required.
PARAMEDIC PROGRAM

4 Choose from AST 110, BIO 110, CHE 110, or PHY 110.
5 Choose one course in anthropology, economics, geography, history, philosophy, political science, psychology, sociology, or any Ethnic Studies social science course.
6 In consultation with a faculty advisor in the Office Administration Department, students will determine the appropriate electives.
7 Choose from ACC 122, BUS 110, or CIS 100.

PARAMEDIC PROGRAM (EMC)
The Paramedic Program, administered by the Allied Health Sciences Department provides the knowledge and skills necessary for graduates to function in advanced pre-hospital care. The curriculum follows the guidelines established by the Commission on Accreditation of Allied Health Educational Programs, as well as those of the New York State Department of Health, Bureau of Emergency Medical Services.

PROGRAM POLICY: In order to maintain eligibility in the program, students must attain an average of "C" or better in all EMC-courses. Students who fail any course must repeat the entire program. Students who have been academically dismissed must attain a Grade Point Average (GPA) of 2.0 or better in order to re-enter the Paramedic Program.

Upon successful completion of the two-year curriculum, students will be awarded the Associate in Applied Science degree. Upon completion of the Paramedic portion of the program, students will be eligible to take the New York City Medical Advisory Committee (MAC) Certification Examination, the National Registry of EMT/Paramedics Certification Examination, Basic Cardiac Life Support Certification, and Advanced Cardiac Life Support Certification.

Advanced standing status will be considered. New York State Licensed Paramedics are granted advanced academic standing and have the opportunity to complete the liberal arts and science sequence and earn the A.A.S. degree.

NOTE: Admission to the Paramedic sequence occurs in September only. All students must complete any remedial requirements prior to admission to the Paramedic sequence. All students are required to show proof of physical examination, per New York State Department of Health requirements for hospital personnel. All students must be currently licensed New York State EMT’s and have a GPA of 2.0 or better.

General Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAT 104</td>
<td>Mathematics for Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>SPE 100</td>
<td>Fundamentals of Speech²</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>General Credits</td>
<td>12</td>
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</table>

Curriculum Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMC 101</td>
<td>Emergency Medical Care/ Paramedic²</td>
<td>6</td>
</tr>
<tr>
<td>EMC 102</td>
<td>Emergency Medical Care/Paramedic II</td>
<td>6</td>
</tr>
<tr>
<td>EMC 201</td>
<td>Emergency Medical Care/Paramedic</td>
<td>6</td>
</tr>
<tr>
<td>EMC 202</td>
<td>Emergency Medical Care/Paramedic IV</td>
<td>6</td>
</tr>
<tr>
<td>EMC 301</td>
<td>Emergency Medical Care/Paramedic Clinical Internship I⁴</td>
<td>1</td>
</tr>
<tr>
<td>EMC 302</td>
<td>Emergency Medical Care/Paramedic Clinical Internship II⁴</td>
<td>2</td>
</tr>
<tr>
<td>EMC 303</td>
<td>Emergency Medical Care/Paramedic Clinical Internship III⁴</td>
<td>3</td>
</tr>
<tr>
<td>BIO 425</td>
<td>Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 426</td>
<td>Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>CHE 110</td>
<td>General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>XXX xxx</td>
<td>Elective OR</td>
<td></td>
</tr>
<tr>
<td>EMC 100</td>
<td>Emergency Medical Care</td>
<td>3-4</td>
</tr>
<tr>
<td>PSY 100</td>
<td>General Psychology</td>
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<tr>
<td>Total</td>
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<td>48-49</td>
</tr>
<tr>
<td></td>
<td>Total Program Credits</td>
<td>60-61</td>
</tr>
</tbody>
</table>

FOOTNOTES
1 Please note that MAT 012 or MAT 051 or exemption from Elementary Algebra is a prerequisite for MAT 150.
2 For students whose first language is not English, SPE 102 will satisfy this requirement.
3 All students must be New York State Certified as Emergency Medical Technician/Ambulance prior to entering into the Emergency Medical Care/Paramedic sequence. If an applicant is
not certified, he/she must satisfactorily complete EMC 100, Emergency Medical Care.

Students enrolled in clinical field work courses are required to obtain liability insurance. Moderate group rates are available. Students are responsible for their own transportation expenses when fulfilling clinical practice requirements. Students receive no monetary compensation when fulfilling clinical practice requirements.

**RESPIRATORY THERAPY (RTT)**
The Respiratory Therapy Program, administered by the Allied Health Sciences Department (see pp. 46 for course descriptions), provides students with the necessary skills and experience to become competent respiratory therapists. Students receive specialized training in the clinical care of patients with cardio-respiratory problems. Upon completing the requirements listed below, students receive the Associate in Applied Science (A.A.S.) degree and are eligible to take the Certification and Registry Examinations given by the National Board for Respiratory Care, Inc.

**Program Policies:** In order to maintain eligibility in the program, students must attain an average of "C" or better in all RTT courses. Students who fail any Respiratory Therapy course may repeat such course only once. Students who have been academically dismissed must attain a Grade Point Average (GPA) of 2.0 or above in order to re-enter the Respiratory Therapy program. BMCC students wishing to transfer into Respiratory Therapy must also have attained a GPA of 2.0 or above.

**NOTE:** Admission to the RTT sequence occurs in September only. All students must complete any remedial requirements prior to admission to the RTT sequence. All students are required to show proof of physical examination, per New York State Department of Health requirements for hospital personnel.

### Curriculum Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTT 100</td>
<td>Fundamentals of Respiratory Therapy</td>
<td>4</td>
</tr>
<tr>
<td>RTT 101</td>
<td>Introduction to Respiratory Therapy Equipment</td>
<td>1</td>
</tr>
<tr>
<td>RTT 201</td>
<td>Respiratory Therapy I</td>
<td>4</td>
</tr>
<tr>
<td>RTT 202</td>
<td>Respiratory Therapy Clinical Practicum I²</td>
<td>3</td>
</tr>
<tr>
<td>RTT 210</td>
<td>Respiratory Therapy Summer Clinical Practicum ²</td>
<td>6</td>
</tr>
<tr>
<td>RTT 301</td>
<td>Respiratory Therapy II</td>
<td>3</td>
</tr>
<tr>
<td>RTT 302</td>
<td>Respiratory Therapy Clinical Practicum II²</td>
<td>4</td>
</tr>
<tr>
<td>RTT 310</td>
<td>Cardio-Respiratory Physiology</td>
<td>2</td>
</tr>
<tr>
<td>RTT 320</td>
<td>Pulmonary Function Testing</td>
<td>2</td>
</tr>
<tr>
<td>RTT 401</td>
<td>Respiratory Therapy III</td>
<td>3</td>
</tr>
<tr>
<td>RTT 403</td>
<td>Respiratory Therapy Clinical Practicum III²</td>
<td>4</td>
</tr>
<tr>
<td>RTT 410</td>
<td>Fundamentals of Clinical Medicine</td>
<td>2</td>
</tr>
<tr>
<td>BIO 420</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 425</td>
<td>Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 426</td>
<td>Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>CHE 118</td>
<td>Fundamentals of Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>PHY 110</td>
<td>General Physics</td>
<td>4</td>
</tr>
<tr>
<td>PSY 100</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SCI 530</td>
<td>Pharmacology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Curriculum Credits**: 64

**Total Program Credits**: 73

**FOOTNOTES**

1 Please note that MAT 012, or MAT 051, or exemption from Elementary Algebra is a prerequisite for MAT 109.

2 Students enrolled in clinical field work courses are required to obtain liability insurance. Moderate group rates are available. Students are responsible for their own transportation expenses when fulfilling clinical practice requirements. Students receive no monetary compensation when fulfilling clinical practice requirements.

**SCIENCE (SCI)**
The Department of Science offers a Science program leading to an Associate in Science (A.S.) degree. This program is appropriate for students whose education
goals require a Bachelor's Degree in a basic or applied science, or students who desire a background in science for a health profession education.

<table>
<thead>
<tr>
<th>General Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 English Composition I</td>
</tr>
<tr>
<td>ENG 201 English Composition II</td>
</tr>
<tr>
<td>SPE 100 Fundamentals Speech¹</td>
</tr>
<tr>
<td>XXX xxx Social Science Electives²</td>
</tr>
<tr>
<td>HED 100 Health Education</td>
</tr>
<tr>
<td>MUS 110 Introduction to Music</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>ART 110 Art Survey</td>
</tr>
<tr>
<td>MAT 206 Mathematical Foundations of Calculus³</td>
</tr>
<tr>
<td>XXX xxx Modern Foreign Language⁴</td>
</tr>
<tr>
<td>Total General Credits</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Choose two of these three introductory science course sequences⁵)</td>
</tr>
<tr>
<td>BIO 210 Biology I</td>
</tr>
<tr>
<td>AND</td>
</tr>
<tr>
<td>BIO 220 Biology II</td>
</tr>
<tr>
<td>CHE 210 Chemistry I</td>
</tr>
<tr>
<td>AND</td>
</tr>
<tr>
<td>CHE 220 Chemistry II</td>
</tr>
<tr>
<td>PHY 210 Physics I⁶</td>
</tr>
<tr>
<td>AND</td>
</tr>
<tr>
<td>PHY 220 Physics II⁶</td>
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<td>Total Program Credits</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Select 15 credits from the courses listed)</td>
</tr>
<tr>
<td>BIO 210 Biology I</td>
</tr>
<tr>
<td>AND</td>
</tr>
<tr>
<td>BIO 220 Biology II</td>
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<tr>
<td>CHE 210 Chemistry I</td>
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<tr>
<td>AND</td>
</tr>
<tr>
<td>CHE 220 Chemistry II</td>
</tr>
<tr>
<td>PHY 210 Physics I⁶</td>
</tr>
<tr>
<td>AND</td>
</tr>
</tbody>
</table>

| PHY 220 Physics II⁶ | 4 |
| Total Program Credits | 60-62 |

FOOTNOTES
¹ For students whose first language is not English, SPE 102 will also satisfy this requirement.
² Choose from anthropology, economics, geography, history, philosophy, political science, psychology, sociology, or any Ethnic Studies social science course.
³ MAT 301 may be substituted for MAT 206. MAT 056 is a prerequisite for MAT 206.
⁴ A two-semester sequence in the same language is required. For students who are native speakers of Chinese, French, Italian, or Spanish, testing and placement by the Modern Language Department is required.
⁵ The third introductory science course sequence may be taken as a program elective.
⁶ PHY 215-PHY 225 may be substituted for PHY 210-PHY 220.
⁷ Degree credit will not be granted for both CHE 120 and CHE 230.

SMALL BUSINESS/ENTREPRENEURSHIP (SBE)
The Small Business/Entrepreneurship program is a two-year program leading to the Associate in Applied Science (A.A.S.) degree. The program is designed to prepare students with the necessary skills to start their own business or to be a successful employee of a small
business. The program features four courses specifically designed to help students begin their own business.

<table>
<thead>
<tr>
<th>General Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HED 100 Health Education</td>
<td>2</td>
</tr>
<tr>
<td>MAT 150 Introduction to Statistics</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MAT 200 Introduction to Discrete Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MAT 206 Mathematics I</td>
<td>4</td>
</tr>
<tr>
<td>ECO 201 Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>ECO 202 Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>SPE 100 Fundamentals Speech II</td>
<td>3</td>
</tr>
<tr>
<td>XXX xxx Science I</td>
<td>4</td>
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</tbody>
</table>

Total General Credits 22

<table>
<thead>
<tr>
<th>Curriculum Requirements</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BUS 104 Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 110 Business Law</td>
<td>3</td>
</tr>
<tr>
<td>BUS 150 Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUS 210 Business Methods</td>
<td>3</td>
</tr>
<tr>
<td>ACC 122 Accounting Principles I</td>
<td>4</td>
</tr>
<tr>
<td>CED 365 Small Business Entrepreneurship</td>
<td>2</td>
</tr>
<tr>
<td>CIS 100 Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>FNB 100 Introduction to Finance</td>
<td>3</td>
</tr>
<tr>
<td>MAR 100 Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td>SBE 100 Product &amp; Serve Creation</td>
<td>3</td>
</tr>
<tr>
<td>SBE 200 International Trade &amp; Export</td>
<td>3</td>
</tr>
<tr>
<td>SBE 300 Independent Research in Small Business</td>
<td>2</td>
</tr>
<tr>
<td>SBE 400 Small Business Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Curriculum Credits 38

Total Program Credits 60

FOOTNOTES

1 Please note that MAT 012, or MAT 05, is required from Elementary Algebra. MAT 150, Intermediate Algebra (MAT 05) is a prerequisite for MAT 200 and MAT 206.

2 For students whose first language is not English, SPE 102 will also satisfy this requirement.

3 Choose from AST 110, BIO 110, CHE 110, or PHY 110.

WRITING AND LITERATURE (ENG)
The English Department offers an A.A. degree in Writing and Literature. The program is designed for students who wish to major or minor in English at four-year colleges and are considering careers demanding special proficiency in writing and reading, such as journalism, creative writing, professional writing, or teaching English. The Writing and Literature Program may also benefit students who wish to pursue majors other than English but intend to enter professions, such as law or business, in which advanced literacy and writing ability are valuable. Students in the program will receive the first two years of a broad liberal arts education with special attention to their development as writers and to their knowledge of literature.

<table>
<thead>
<tr>
<th>General Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>ENG 121 English 101 and 201 combine</td>
<td>6</td>
</tr>
<tr>
<td>HED 100 Health Education</td>
<td>2</td>
</tr>
<tr>
<td>MAT xxx (Choose from MAT 100, 150, 200, 206 or 301)</td>
<td>4</td>
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<tr>
<td>SPE 100 Fundamentals Speech I</td>
<td>3</td>
</tr>
<tr>
<td>XXX xxx Modern Foreign Language</td>
<td>6-8</td>
</tr>
<tr>
<td>XXX xxx Music or Art I</td>
<td>2</td>
</tr>
<tr>
<td>XXX xxx Science I</td>
<td>4</td>
</tr>
<tr>
<td>HIS 101 Western Civilization (Early)</td>
<td>OR</td>
</tr>
<tr>
<td>HIS 102 Western Civilization (Modern)</td>
<td>OR</td>
</tr>
<tr>
<td>HIS 120 American History (Early)</td>
<td>OR</td>
</tr>
<tr>
<td>HIS 125 American History (Modern)</td>
<td>3</td>
</tr>
<tr>
<td>SOC 100 Introduction to Sociology</td>
<td>OR</td>
</tr>
<tr>
<td>GEO 100 Introduction to Human Geography</td>
<td>OR</td>
</tr>
<tr>
<td>POL 100 American Government</td>
<td>OR</td>
</tr>
</tbody>
</table>

43
## Writing and Literature

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ECO 100</td>
<td>Introduction to Economics</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>General Psychology</td>
<td></td>
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<tr>
<td>OR</td>
<td></td>
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<tr>
<td>PHI 100</td>
<td>Philosophy</td>
<td></td>
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<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANT 100</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>XXX</td>
<td>General Electives</td>
<td>6</td>
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</tbody>
</table>

**Total General Credits:** 42-44

### Curriculum Requirements

<table>
<thead>
<tr>
<th>ENG 3xx</th>
<th>Writing Courses&lt;br&gt;Choose from:</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 303</td>
<td>Journalism: News Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 304</td>
<td>Journalism: Feature Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 311</td>
<td>Creative Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 314</td>
<td>Advanced Composition</td>
<td></td>
</tr>
<tr>
<td>ENG 315</td>
<td>Playwriting</td>
<td></td>
</tr>
<tr>
<td>ENG 335</td>
<td>Reading and Writing Autobiography</td>
<td></td>
</tr>
<tr>
<td>ENG 3xx</td>
<td>Literature Courses: Survey, Period, Genre, or Major Author&lt;br&gt;Choose from:</td>
<td>6</td>
</tr>
<tr>
<td>ENG 322</td>
<td>Fiction into Film</td>
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<tr>
<td>ENG 332</td>
<td>The Detective Story</td>
<td></td>
</tr>
<tr>
<td>ENG 333</td>
<td>The Short Story</td>
<td></td>
</tr>
<tr>
<td>ENG 334</td>
<td>Children's Literature</td>
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</tr>
<tr>
<td>ENG 337</td>
<td>Science Fiction</td>
<td></td>
</tr>
<tr>
<td>ENG 345</td>
<td>Modern Poetry</td>
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<tr>
<td>ENG 358</td>
<td>Contemporary Urban Writers</td>
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<tr>
<td>ENG 371</td>
<td>English Literature I</td>
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<tr>
<td>ENG 372</td>
<td>English Literature II</td>
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<tr>
<td>ENG 373</td>
<td>Introduction to Shakespeare</td>
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<tr>
<td>ENG 381</td>
<td>American Literature I</td>
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</tr>
<tr>
<td>ENG 382</td>
<td>American Literature II</td>
<td></td>
</tr>
<tr>
<td>ENG 383</td>
<td>The American Novel</td>
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</tr>
<tr>
<td>ENG 384</td>
<td>Modern American Theatre</td>
<td></td>
</tr>
<tr>
<td>ENG 391</td>
<td>World Literature I</td>
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<tr>
<td>ENG 392</td>
<td>World Literature II</td>
<td></td>
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<tr>
<td>ENG 394</td>
<td>Modern European Novel</td>
<td></td>
</tr>
<tr>
<td>XXX</td>
<td>Course in Ethnic Literature or Women Writers&lt;br&gt;Choose from:</td>
<td>3</td>
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<tr>
<td>ASN 339</td>
<td>Asian-American Writers</td>
<td></td>
</tr>
<tr>
<td>ENG 399</td>
<td>Communications and Theatre Arts&lt;br&gt;Course in Computer Keyboarding, the Internet, Film, Speech, Business Communications, or Mass Media. Choose from:</td>
<td></td>
</tr>
<tr>
<td>AFN 321</td>
<td>African-American Writing</td>
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<tr>
<td>AFN 322</td>
<td>Contemporary Black Writers</td>
<td></td>
</tr>
<tr>
<td>AFN 335</td>
<td>History of Black Theatre</td>
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</tr>
<tr>
<td>AFN 338</td>
<td>Black Literature of the Caribbean</td>
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<tr>
<td>ENG 353</td>
<td>Women in Literature</td>
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</tr>
</tbody>
</table>

**Total Curriculum Credits:** 18

### Total Program Credits

**Total Program Credits:** 60-62

### Footnotes

1 MAT 012 and MAT 051 or exemption from Elementary Algebra is a prerequisite for MAT 100 and MAT 150. Intermediate Algebra (MAT 056) is a prerequisite for MAT 200 and MAT 206.

2 For students whose first language is not English, SPE 102 will also satisfy the requirement.

3 A two-semester sequence in the same language is required. For students who are native speakers of Chinese, French, Italian, or Spanish, testing and placement by the Modern Language Department is required.

4 Some Music courses are one credit. A total of two credits is required.

5 Choose from AST 110, BIO 110, CHE 110, and PHY 110.
Course Descriptions

ACCOUNTING

Room S610, Telephone: (212) 346-8070
The Accounting curriculum is designed to prepare
BMCC graduates for jobs in that field. Students may also
continue their studies at a four-year college. Students
should be aware that job and advancement opportunities
in Accounting are usually limited for those who do not
intend to continue their Accounting education after
graduating from BMCC. For the curriculum in
Accounting leading to the Associate in Applied Science
(A.A.S.) degree, see pp. 22–23.

Chairperson: Lloyd Carroll
Deputy Chairpersons: Sidney Askew
Professors: Stanley Chu, Lloyd Carroll, Manuel
Hernandez, Frank Navas, Stanley H. Solomon, Josh
Wolfson
Associate Professors: Harry Kleinman, David Knight,
Yvonne Phang-Hatami
Assistant Professors: Sidney Askew, Wilbert Donnay,
Angela Jervis
Adjunct Faculty: There are approximately twenty adjuncts
in the department.

Accounting Principles I
ACC 122
4 crs. 4 hrs.
The course covers the fundamental principles of
accounting and the practical use of accounting tools and
techniques. Topics covered include the definition and
scope of accounting, accounting records and processes,
books of original and subsequent entry, work sheets,
adjusting and closing entries, accounting for cash,
accounting for negotiable instruments, and accounting
for plant assets. An investigation is made of accounting
for service businesses and trading concerns.

Accounting Principles II
ACC 222
4 crs. 4 hrs.
This continuation of Accounting I progresses from
elementary to more advanced accounting concepts and
conventions, including the use of accounting data in
managerial decision making. Among topics covered are
voucher system, partnership accounting, payroll
preparation and taxes, and accounting for corporations.
Study is made of accounting involved in the
interpretation of financial statements, budgetary control,
statement of cash flows, and management reports and
analyses.
Prerequisite: ACC 122

Accounting Applications on
Microcomputers
ACC 321
3 crs. 4 hrs.
This course provides accounting students with the
opportunity to solve accounting problems through the use
of microcomputers. Areas in which students will prepare
computerized accounting records and reports include
journals, ledgers, trial balance, accounts receivable,
accounts payable, and payroll. The course will introduce
students to basic accounting documentation, and
processing flowcharts of different accounting functions.
Prerequisite: ACC 222, CIS 100

Intermediate Accounting I
ACC 330
3 crs. 4 hrs.
The course begins with a review of the accounting
process. Topics covered include balance sheet
presentation, the time value of money, accounting for
cash, receivables, inventory cost and valuation
procedures, plant and equipment accounting, including
acquisition use, retirement and special valuation
problems, accounting for intangible assets, current
liabilities, and contingencies. Attention is given to the
theory pronouncements issued by the Financial
Accounting Standards Board and other standard-setting
bodies.
Prerequisite: ACC 222

Taxation: Federal
ACC 340
3 crs. 4 hrs.
Students are provided with fundamental knowledge of
the Federal taxation laws and preparation of related tax
returns. Federal income taxes for individuals,
partnerships, and corporations are studied, and actual
returns are prepared. Various items of payroll
withholding and reporting procedures are discussed, and
basic tax planning is explored.
Prerequisite: ACC 222

Cost Accounting I
ACC 350
3 crs. 4 hrs.
Emphasis is placed on the conceptual, analytical and
practical aspects of cost accounting as a tool for planning
and controlling the operations of a business. Topics studied include the cost accounting cycle, the job order cost system, process costing, allocation of costs, joint and by-product costs, payroll accounting and budgeting. 

Prerequisite: ACC 222

Accounting Information Systems
ACC 421
3 crs. 4 hrs.
The course provides accounting students with the opportunity to become familiar with accounting information systems, systems and documentation flowcharts, information concepts, and applications to different areas in the transaction processing system. The course also covers accounting control procedures that are commonly used to detect, correct, and prevent deficiencies in internal control, administrative control and in the transaction processing system for both the manual and computerized accounting processing systems. The course will include basic analysis and design of accounting information systems.

Prerequisite: ACC 321

Intermediate Accounting II
ACC 430
3 crs. 4 hrs.
The course is a continuation of Intermediate Accounting I. A detailed study is made of the accounting for long term debt, investments in stocks and bonds, leases, pensions, accounting for income taxes, and inflation accounting. Other topical coverage includes EPS, revenue recognition, preparation of the income statement, and the statement of cash flows. The stockholders’ equity section of the balance sheet is examined, with particular reference to the accounting for capital stock, additional paid-in capital, and retained earnings. Attention is given to pronouncements issued by the Financial Accounting Standards Board and other standard-setting bodies.

Prerequisite: ACC 330

Cost Accounting II
ACC 451
3 crs. 4 hrs.
The uses of cost accounting concepts and methods that are used to guide management in controlling operations and in making decisions are studied. Topics covered include cost-profit-volume analysis, standard cost, flexible and capital budgeting, inventory planning and control, direct costing, and the contribution margin approach to product costing.

Prerequisite: ACC 350

ALLIED HEALTH SCIENCES
Room N742, Telephone: (212) 346-8730
The Department of Allied Health Sciences offers three professional programs: Paramedic Program, Health Information Technology, and Respiratory Therapy.
Students successfully completing these programs are awarded the Associate in Applied Science (A.A.S.) degree and are qualified to work as technicians or therapists in a variety of health care agencies.

Chairperson: Everett W. Flannery
Deputy Chairperson:
Professors: Everett W. Flannery, Michael A. Nazzaro
Associate Professor: Sindee Karpel
Assistant Professors: Lynda Carlson, Neil Rodia
Senior College Laboratory Technician: Juana Rodriguez
Adjunct Faculty: There are approximately thirty adjuncts in the department.

PARAMEDIC PROGRAM
Emergency Medical Care
EMC 100
4 crs. 2 lecture, 8 lab hrs.
This course is a training program to provide the students with the necessary basic skills and knowledge to deal with a broad spectrum of illness and injuries in the pre-hospital care phase of emergency medicine. Upon successful completion of the course, students will take the New York State Emergency Medical Technical Certification Examination. Once certified, and upon completion of certain fundamental core courses, the student will be eligible to take the advanced paramedic level courses of the program. The course will be offered in the fall and spring semesters only.

Emergency Medical Care/Paramedic I
EMC 101
6 crs. 6 hrs. 3 lab. hrs.
This course provides students with the knowledge of human anatomy and physiology as required for the understanding of assessing and treating victims of sudden illness or injury. Pathophysiology and management of problems, patient assessment, and techniques of management of the cardiovascular system and respiratory system, as well as all other systems, are introduced.

Prerequisite: New York State Certification as an Emergency Medical Technician
Corequisites: EMC 102, EMC 301
Emergency Medical Care/ Paramedic II  
**EMC 102**
6 crs. 6 hrs. 3 lab hrs.
This course provides students with the knowledge of assessing victims of sudden illness or injury with the understanding of the underlying anatomy and physiology of the affected tissue, organ, or system. Students will also be given an understanding of appropriate treatment modalities for certain disease entities and injuries. Students will also be provided with the knowledge and skills required for treating victims of sudden illness or injury as pre-hospital care givers.
*Corequisites: EMC 101, EMC 301*

Emergency Medical Care/ Paramedic III  
**EMC 201**
6 crs. 6 hrs. 3 lab hrs.
This course provides students with the knowledge of appropriate assessment of the cardiac patient, the knowledge and skill to read normal electrocardiograms, recognize cardiac arrhythmias on same, operate and interpret electrocardiograms. It also provides students with the skills to use a defibrillator, and to perform defibrillation and synchronized cardioversion. Students are also provided with knowledge of local, general, and systemic effects of specific drugs, as well as the absorption rates via intravenous, subcutaneous, oral, transtracheal, and intramuscular routes of administration. Students are provided with the knowledge of the effects of alpha and beta receptors in the heart, lungs, and arteries, as well as beta blockers. Students are also provided with the knowledge of dose, dilution, action, indications and use, precautions, incompatibility, contraindications, side effects, antidotes of specific drugs, and skills of administering drugs.
*Prerequisites: EMC 101, EMC 102*
*Corequisites: EMC 202, EMC 302*

Emergency Medical Care/ Paramedic IV  
**EMC 202**
6 crs. 6 hrs. 3 lab hrs.
This course provides students with the knowledge and skills required to perform physical examination on patients with suspected injury to the head, spinal cord, cervical spine, neurologic problems, and general seizures. It also provides students with the knowledge and skills to recognize symptoms of diabetes mellitus, insulin shock, hypoglycemia, hyperglycemia, and treatment of same. In addition, students are provided with the knowledge of appropriate treatment of a patient who has ingested poison. Students are provided with the knowledge and skills required to catheterize both male and female urinary bladders. Students are also provided with the knowledge and skills required to arrive at a decision to transport patients in labor or to prepare for delivery, as well as functioning in all childbirth possibilities. Students are provided with the knowledge and skills of management in mass casualty situations, situations involving a battered or sexually abused child, and situations involving emotionally disturbed patients who are combative.
*Prerequisites: EMC 101, EMC 102*
*Corequisites: EMC 201, EMC 302*

Emergency Medical Care/ Paramedic Clinical Internship I  
**EMC 301**
1 cr. 5 lab hrs.
Students are provided with clinical training experience at the Cardiac Catheterization Laboratory, City Morgue, and with the Hospital Phlebotomy team. Students will also perform clinical service in the Emergency Department, Operating Room, and with the Paramedic Ambulance. Students will acquire further experience in the Labor and Delivery Suite, Intensive Care Unit, Pediatric Department, and Psychiatric Emergency Department.
*Corequisites: EMC 101, EMC 102*

Emergency Medical Care/ Paramedic Internship II  
**EMC 302**
2 crs. 10 lab hrs.
In this second EMC/Paramedic clinical rotation course students continue their work in the hospital emergency room. In addition, clinical rotations are provided for experiences on the paramedical (advance life support) ambulance, in the operating room, and in the New York City Medical Examiner’s Office.
*Prerequisites: EMC 101, EMC 102, EMC 301*
*Corequisites: EMC 201, EMC 202*

Emergency Medical Care/ Paramedic Internship III  
**EMC 303**
3 crs. 15 lab hrs.
In this final EMC/Paramedic clinical rotation course
Course Descriptions

ALLIED HEALTH SCIENCES

students complete their required hours in the hospital emergency room and on the Paramedic (A.L.S.) ambulance. Additional development of knowledge and skills is provided in the labor and delivery rooms, psychiatric facilities, ICU/CCU, Cardiac Catheterization laboratory, pediatric neonatal clinic and well baby clinic.

Prerequisites: EMC 201, EMC 202, EMC 302

HEALTH INFORMATION TECHNOLOGY

Medical Terminology I H1T 103
3 hrs. 3 hrs.
This is the first part of a two-semester course which includes a development of medical terminology in a logical sequence. Medical terms are used in a limited number of body systems. Special attention is given to presenting medical terms in their proper context as related to: anatomy and physiology, pathology, clinical procedures, laboratory tests, and abbreviations.

Prerequisites: HIT 104, HIT 105, CHE 110

Introduction to Health Data Information HIT 104
2 hrs. 3 hrs. 2 lab hrs.
This course begins with a historical overview of the medical record field. Topics covered include contents of a medical record, required standards for chart documentation, divisions within the medical record department, and the chart through the units of a medical record department.

Prerequisites: HIT 103, HIT 105, CHE 110

Retention and Retrieval of Health Information HIT 105
3 hrs. 4 hrs.
This course covers the development and use of primary and secondary indexes and registries, numbering and filing systems, and microfilming methodologies utilized for the retention and retrieval of health information.

Prerequisites: HIT 103, HIT 104, CHE 110

Medical Terminology II HIT 203
3 hrs. 3 hrs.
This course is a continuation and advanced study of medical terms. Basic fundamentals of word analysis are applied in a continued study of medical terms by body systems. Medical terminology is applied in case reports, X-ray reports, operative and diagnostic lists, drug descriptions, and other medical contexts.

Prerequisites: HIT 103, HIT 104, HIT 105

Health Statistics HIT 204
2 hrs. 3 hrs.
This course provides an in-depth coverage of statistical computations relevant to hospital inpatient and outpatient services. Common statistical collection and display methodologies used for administrative decisions are covered.

Prerequisites: HIT 103, HIT 104, HIT 105

Health Record Systems HIT 205
2 hrs. 3 hrs.
This course prepares the student to identify an incomplete medical record. The administrative functions of the Admission Department as they relate to the medical record will be covered. An overview of medical record documentation component requirements, for other non-hospital facilities will be presented.

Prerequisites: HIT 104, HIT 105, HIT 103

Pathology of Disease HIT 206
3 hrs. 3 hrs.
This course is designed to provide Medical Record students with the ability to interpret medical records when coding diagnoses, according to the International Classification of Diseases, 9th Revision Clinical Modification (ICD-9-CM), when making case reports or abstracts, and when tabulating data for group studies of diseases.

Prerequisites: HIT 103, HIT 104, HIT 105

Medical Record Summer Clinical Practicum HIT 210
3 hrs. 32 hrs.
This is a supervised learning experience in affiliated clinical sites which enables the student to acquire competence in medical record procedures directly related to the course content of all previous HIT courses.

Prerequisites: HIT 203, HIT 204, HIT 205, HIT 206, BIO 425
# Course Descriptions

## ALLIED HEALTH SCIENCES

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Code</th>
</tr>
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<tbody>
<tr>
<td>Medical Coding I</td>
<td>HIT 330</td>
</tr>
<tr>
<td>2 crs., 3 hrs.</td>
<td></td>
</tr>
<tr>
<td>This course covers the historical development of medical coding systems for diagnoses and procedures. Students will gain entry-level competency in the use of the International Classification of Diseases coding system.</td>
<td></td>
</tr>
<tr>
<td>Prerequisites: HIT 204, HIT 205, HIT 206, HIT 210, BIO 426</td>
<td></td>
</tr>
<tr>
<td>Corequisites: HIT 331, HIT 332, CIS 105</td>
<td></td>
</tr>
</tbody>
</table>

| Medicolegal Applications                                         | HIT 331 |
| 2 crs., 3 hrs.                                                   |       |
| This course covers the legal principles applicable to malpractice; New York State Health Code statutes; confidentiality and informed consent requirements; procedures for the release of medical information and response to "subpoena duces tecum." |       |
| Prerequisites: HIT 204, HIT 205, HIT 206, HIT 210, BIO 426     |       |
| Corequisites: HIT 330, HIT 332, CIS 105                         |       |

| Quality Assurance and Form Design                               | HIT 332 |
| 2 crs., 3 hrs.                                                   |       |
| This course covers the use of review methodologies required by third party reimbursement agencies to insure that patients receive appropriate medical care. The principles of form design and control procedures will be examined. |       |
| Prerequisites: HIT 204, HIT 205, HIT 206, HIT 210, BIO 426     |       |
| Corequisites: HIT 330, HIT 332, CIS 105                         |       |

| Medical Coding II                                               | HIT 421 |
| 2 crs., 3 hrs.                                                   |       |
| This course is a continuation of HIT 330 and focuses on medical coding systems which are utilized for reimbursement of health care services. |       |
| Prerequisites: HIT 330, HIT 331, HIT 332, BIO 426               |       |
| Corequisites: HIT 422, HIT 423, HIT 430, CIS 205                |       |

| Health Care Delivery Systems                                    | HIT 422 |
| 1 cr., 1 hr.                                                     |       |
| This advanced course serves to integrate medical record science skills and technology into widely used functions. Topics include the organization and function of a Cancer Registry, responsibilities of medical staff committees, and the requirements of health care accrediting agencies as these relate to health information technology. |       |

| Medical Record Management                                       | HIT 423 |
| 2 crs., 2 hrs.                                                   |       |
| This course covers the theories and techniques of management. Students demonstrate their knowledge and understanding through laboratory exercises. This is a required course in the HIT curriculum. |       |
| Prerequisites: HIT 330, HIT 331, HIT 332, BIO 426               |       |
| Corequisites: HIT 421, HIT 422, HIT 430, CIS 205                |       |

| Medical Record Clinical Practicum                                | HIT 430 |
| 4 crs., 12 lab hrs.                                              |       |
| This is a supervised learning experience in affiliated clinical sites which enables the student to acquire competence in medical record procedures. |       |
| Prerequisites: HIT 330, HIT 331, HIT 332, BIO 426               |       |
| Corequisites: HIT 421, HIT 422, HIT 423, CIS 205                |       |

| Introduction to Computerized Medical Records                    | CIS 105 |
| 2 crs., 3 hrs.                                                   |       |
| This course covers the current use of computers and data processing systems in the medical record field. |       |
| Prerequisites: HIT 204, HIT 205, HIT 206, HIT 210, BIO 425      |       |
| Corequisites: HIT 330, HIT 331, HIT 332                         |       |

| Advanced Computerized Medical Records Applications               | CIS 205 |
| 2 crs., 3 hrs.                                                   |       |
| This course will enable students to gain skills in the use of computer software specifically designed for medical record applications. |       |
| Prerequisites: HIT 330, HIT 331, HIT 332, CIS 105               |       |
| Corequisites: HIT 421, HIT 422, HIT 423, HIT 430                |       |

## RESPIRATORY THERAPY

| Fundamentals of Respiratory Therapy                              | RTT 100 |
| 4 crs., 2 hrs., 6 lab hrs.                                       |       |
| Students are given the knowledge, skills, and attitudes basic to all patient care, with special emphasis on the |       |
Course Descriptions

ALLIED HEALTH SCIENCES

basic science principles applicable to medical gases, pressure breathing devices, gas exchange, artificial ventilation, and respiration. This course also involves the study and operation of basic respiratory therapy equipment such as cannulae, masks and tents, nebulizers, flowmeters and regulators, oxygen analyzers, and oxygen supply systems.

Prerequisite: Matriculation in the RTT Program
Corequisite: RTT 101, MAT 109

Introduction to Respiratory Therapy Equipment

RTT 101
1 cr. 2 lab hrs.
This laboratory course gives the student the opportunity for hands-on learning of equipment found in Respiratory Therapy departments of affiliated hospitals. The student observes, operates, disassembles and reassembles equipment until fully competent at setting up, operating, and troubleshooting. Students become familiar with equipment used in respiratory care prior to use in direct patient contact.

Corequisite: RTT 100, MAT 109

Respiratory Therapy I

RTT 201
4 crs. 4 hrs.
This continuation of applied science principles is fundamental to Respiratory Therapy. Special emphasis is placed on the theory of airway management, respiratory diseases, introductory pharmacology, ventilators used in IPPB therapy, acid-base chemistry, and a knowledge of emergency care.

Prerequisites: RTT 100, RTT 101, CHE 118
Corequisite: RTT 202, BIO 426

Respiratory Therapy Clinical Practicum I

RTT 202
3 crs. 9 lab hrs.
This is a supervised clinical experience in Respiratory Therapy hospital affiliations. Students work with patients utilizing equipment such as oxygen catheters and cannulae, masks, tents, nebulizers, flowmeters and regulators, oxygen analyzers, and oxygen supply systems.

Prerequisites: RTT 100, RTT 101, CHE 118
Corequisite: RTT 201, BIO 426

Respiratory Therapy

Summer Clinical Practicum

RTT 210
6 crs. 40 lab hrs.
This course is a 10-week, 40-hour-per-week practicum required of students registered in the Respiratory Therapy curriculum. The Respiratory Therapy Summer Clinical Practicum is a continuation of the clinical training and experience introduced during the second semester of the program (RTT 201 and RTT 202). The schedule is structured to rotate groups in the class through various participating clinical facilities where students will have patient bedside instruction and practice in IPPB, oxygen therapy, aerosol treatment and ventilation, and bedside intensive care for adults and pediatric patients.

Prerequisites: RTT 201, RTT 202

Respiratory Therapy II

RTT 301
3 crs. 4 hrs.
Skills in patient care are further developed and emphasis is on continuous ventilation and acid-base chemistry. The physiology of the cardio-pulmonary system, the ethical and legal implications, and responsibilities relating to Respiratory Therapy services are discussed.

Prerequisites: RTT 210, BIO 426
Corequisites: RTT 302, RTT 310, RTT 320

Respiratory Therapy Clinical Practicum II

RTT 302
4 crs. 16 lab hrs.
This is a continuation of the supervised hospital Respiratory Therapy clinical experiences dealing with complex patient equipment such as ventilators, resuscitators, respirators, use of blood-gas analyzers, and aerosol apparatus.

Prerequisites: RTT 210, BIO 426
Corequisites: RTT 301, RTT 310, RTT 320

Cardio-Respiratory Physiology

RTT 310
2 crs. 2 hrs.
This course exceeds the scope of Anatomy and Physiology I & II, and stresses physiological properties of the heart, blood vessels and lungs, particularly as they are interrelated and as they contribute to preserving the integrity of the human nervous system. The material is taught in a clinically-oriented manner to reinforce those
Course Descriptions

ALLIED HEALTH SCIENCES • BUSINESS MANAGEMENT

aspects of cardio-pulmonary physiology most relevant to the care of patients.

Prerequisites: RTT 202, BIO 426 or departmental approval
Corequisites: RTT 301, RTT 302, RTT 320

Pulmonary Function Testing

RTT 320
2 crs. 1 hr. 2 lab hrs.
This course introduces students to the most common tests of pulmonary function in adults and children. Students will be required to perform these tests and interpret their significance.

Prerequisites: RTT 202, BIO 426, MAT 109 departmental approval
Corequisites: RTT 301, RTT 302, RTT 310

Respiratory Therapy III

RTT 401
3 crs. 3 hrs.
This course provides students with a knowledge of the various methods of sterilization, diseases and problems resulting in respiratory failure, cardio-pulmonary function testing and diagnosis, pediatric respiratory care, percussive therapy and postural drainage, and administrative responsibilities of the therapist. Preparation is included for the Credentialing Examinations.

Prerequisites: RTT 301, RTT 302, RTT 310, RTT 320
Corequisites: RTT 403, RTT 410

Respiratory Therapy Clinical Practicum III

RTT 403
4 crs. 16 lab hrs.
This last course of supervised hospital Respiratory Therapy clinical experience continues emphasis on administration of respiratory therapy care to patients with additional work in hospital departmental operation, including patient record-keeping, reporting, and charting. Interdisciplinary team relationships are also stressed.

Prerequisites: RTT 301, RTT 302, RTT 310, RTT 320
Corequisites: RTT 401, RTT 410

Fundamentals of Clinical Medicine

RTT 410
2 crs. 2 hrs.
This course is an assimilation of the basic and clinical sciences from several areas of medicine, to help students develop a deeper understanding of the patho-

physiological consequences of such diseases as asthma, atelectasis, pneumonia, pulmonary embolism, infant respiratory distress syndrome, and others. Independent study and student participation in teaching are encouraged.

Prerequisites: RTT 301, RTT 302, RTT 310, RTT 320
Corequisites: RTT 401, RTT 403 or departmental approval

BUSINESS MANAGEMENT

Room S660, Telephone: (212) 346-8460
The Business Management Department administers the Business Administration program (see pp. 23–24), the Business Management program (see pp. 24–25), and the Small Business/Entrepreneurship Program (see pp. 42–43).

Chairperson: Chaim Ginsberg
Deputy Chairpersons: James H. Berson, Percy Lambert, Howard Budner
Professors: James H. Berson, Howard R. Budner, Chaim Ginsberg, Percy Lambert, Marion M. Lauterstein, Constantine G. Petrides
Associate Professors: Basil L. Cleare, Elinor Garely, Arthur Leff, Mary Padula
Instructors: Kenneth Anderson, Guadalupe Campos, Ronald Clare, Katherine Conway, Sandra Neis
Lecturer: Shirley Zaragoza
Senior College Laboratory Technician: William Cuttenplan
Adjunct Faculty: There are approximately forty adjuncts in the department.

ADVERTISING

Essentials of Advertising

ADV 200
3 crs. 3 hrs.
This course is designed to provide an introduction to and an overview of advertising, its use as a management tool and its place in the marketing picture. Included are: the approach to creativity, media mathematics, planning and strategy, campaign concepts, research, and media selection.

Prerequisite: BUS 104

BUSINESS

Introduction to Business

BUS 104
3 crs. 3 hrs.
Business and industry in the United States are surveyed broadly in this course. Emphasis is placed on the historical development, objectives, methods of
operation, and the interrelationships of management, labor and government. Included is the study of new developments and trends in business administration and the problems they engender in the total management process.

Required of all Business Management Students.

Business Law
BUS 110
3 crs. 3 hrs.
This course surveys briefly the American legal system and the basic law of contracts. Reference is made to typical business transactions and, by a study of pertinent cases, how the various principles of contract law apply to them.

Business Communication
BUS 150
3 crs. 3 hrs.
This course is designed to present principles common to all communicating situations but which apply predominately to business. The applicability and construction of letters, memos, reports, telephone messages, and E-mails are considered. Relationships of creative, logical, and critical thinking of the problem solving nature of business communication are explored. The course is directed to helping students develop their ability to think, to express themselves in business situations and to use the most effective methods in the most effective way.

Prerequisites: ENG 101, ENG 201, SPE 100

Business Organization and Management
BUS 200
3 crs. 3 hrs.
This course covers the total structure and character of modern business from initial organization through grouping of essential functions into operating departments. Management and the decision-making process, financing, operations, and marketing considerations are studied, with actual cases used to illustrate problems in small and big businesses.

Business Methods
BUS 210
3 crs. 3 hrs.
A survey of the fundamental quantitative concepts and tools used in the field of business is presented in this course. Topics in the course include annuities, present value, compound interest, markup and markdown, graphing, equations, inventory, depreciation, breakeven cost, revenue, elasticity, inequalities, and certain aspects of linear-programming.

Prerequisite: MAT 150, MAT 200 or MAT 206 (for Business students only)

Managerial Decision Making
BUS 220
3 crs. 3 hrs.
This course is designed to develop the student's ability to make decisions as a manager. Cases are used to present the student with a variety of management problems. Students participate in oral and written case analysis which requires identification of the problem, proposal of alternative solutions to it, and the choice of one solution based on criteria of profitability and productivity. Students also participate in a management simulation game.

Prerequisite: BUS 210 (for Business students only)

Operations Management
BUS 225
3 crs. 3 hrs.
This course has been designed to prepare the students for further work in decision-making either on the job or in other institutions. The course will make use of computer programs in the construction and solutions of problems such as: production and inventory models; cost volume profit analysis; queuing theory and markov process; and resource allocation, scheduling, and simulation.

Human Resources Management
BUS 311
3 crs. 3 hrs.
This course is a survey treatment of human resources management attempting to acquaint students with the various aspects of Human Resources Management. It introduces the student to the realm of the Human Resources Manager.

FINANCE AND BANKING

Introduction to Finance
FNB 100
3 crs. 3 hrs.
This course focuses on the three general areas of 1) money and financial institutions, 2) business financial management, and 3) investments. These areas are surveyed by covering such topics as value and creation of money, the Federal Reserve System, commercial banks, short and medium term financing, and the behavior of securities markets in relation to financing the business enterprise.
Commercial Credit and Collections Management  
3 hrs. 3 hrs.
Students are introduced to the principles and practices involved in the extension of credit in the business world. The course covers operation of the credit department, including the duties of the credit manager and credit investigators, credit analysis of financial statements, bases for credit judgment, collection procedures, legal problems, accounts receivable, financing, and factoring. 
Prerequisite: FNB 100, ACC 122

Financial Management  
3 hrs. 3 hrs.
This course surveys principles and practices followed in the financial organization and operation of a corporation. Also considered are the financing of new and growing businesses, sources of capital, banking, and credit accommodations as well as the handling of other financial matters. 
Prerequisites: FNB 100, ACC 122

Consumer Credit Management  
3 hrs. 3 hrs.
This course emphasizes the principles, policies and practices followed in the granting of consumer and retail credit, bases for credit judgment, collection policies and procedures, government regulations, retail revolving and installment credit, charge accounts, bank credit card and non-bank credit, and the management of a consumer or retail credit department. 
Prerequisite: BUS 104 or departmental approval

Money and Banking  
3 hrs. 3 hrs.
This course is an analysis of the organization and operation of our financial system, including money and capital markets, commercial banking, and other financial institutions such as commercial finance companies. The relationship between financial and economic activity including monetary and fiscal policy is demonstrated. 
Prerequisites: FNB 100; ECO 100 or ECO 201 or ECO 202

Investments  
3 hrs. 3 hrs.
The principles and practices of investments are analyzed during this course. Students learn to recognize the quantitative and qualitative tests used in judging security values. Attention is given to the legal and financial characteristics of various types of investment securities. Personal portfolio problems and policies are considered in terms of objectives and investment decisions. 
Prerequisites: FNB 100, ACC 122

MARKETING
Introduction to Marketing  
3 hrs. 3 hrs.
The marketing system is described, analyzed and evaluated, including methods, policies, and institutions involved in the distribution of goods from producer to consumer. Emphasis is placed on the means of improving efficiency and lowering distribution costs.

Sales Principles and Practices  
3 hrs. 3 hrs.
This course is an overview of the process and management of direct selling. Topics include analyzing a product, evaluating customer needs and buying motives, handling objections, closing sales, and developing the sales-person’s personality. Organization and presentation of selling proposals are required. 
Prerequisite: MAR 100

Retail Organization, Operation and Buying  
3 hrs. 3 hrs.
This course studies the management and operations of retail stores. Current practices in store layout, organization, personnel management, service to customers, expense budgeting and control, receiving, and marketing are analyzed. Methods and techniques employed by buyers in selecting lines, assortment planning, placing orders, pricing and handling, and other phases of the buying job are investigated. 
Prerequisite: MAR 100

RETAILING
Consumer Motivation  
3 hrs. 3 hrs.
This course develops the student’s understanding of the relevance of consumer motivation and behavior to modern marketing techniques and strategies. It offers insight and information vital to the consumer-oriented firm. The economic, social, and psychological aspects of consumer behavior are explored. 
Prerequisite: MAR 100
Course Descriptions

BUSINESS MANAGEMENT

Retail Merchandising and Promotion  RET 310
3 crs. 3 hrs.
This course is a comprehensive analysis of retail merchandising and promotion. The career-oriented student develops the skills necessary to construct a merchandise plan, make decisions on stock turnover, identify pricing techniques, prepare promotional campaigns for selected products and store displays, and identify the promotional characteristics of textiles, fashion accessories, and home fashions.
Prerequisite: MAR 320

REAL ESTATE

Salesperson's Qualifying Course  RLS 202
3 crs. 4 hrs.
This course is designed to meet the necessary educational requirements associated with the New York State Real Estate Salesperson's License Examination. Topics covered in the course include license law and regulations, law of agency, real estate instruments and estate interests, real estate financing, land use regulations, introduction to construction, valuation, human rights and fair housing, and environmental issues.

Broker's Qualifying Course  RLS 203
3 crs. 4 hrs.
This course is designed to meet the necessary educational requirements associated with the New York State Real Estate Broker's License Examination. Topics covered in the course include real estate broker's responsibility to manage, administer and supervise an office in compliance with license laws, real estate broker's responsibility to supervise compliance with the law of agency, real estate financing, investment properties, property management, conveyance of real property (voluntary and involuntary alienation) and development, construction II subdivision, taxes and assessments, title closing and costs appraisal principles, and local concerns.

Real Estate Management  RLS 301
3 crs. 3 hrs.
This course explores the practical aspects of effective and efficient managing of commercial and industrial properties. In addition, the course focuses on the status of property management, the functions of the real estate manager, the management agreement, the management plan and physical real property inventory.
Prerequisite: RLS 202

Real Estate Financing  RLS 303
3 crs. 3 hrs.
This course is designed for individuals such as potential investors, lenders, sellers of real estate, or other professional participants in activities related to the real estate field. The course—in addition to showing how the tax system, supply and demand, and financing interact to create values-deals with the institutional background of real estate financing concepts required for making investment strategy. In addition, emphasis is placed on the use of leverage in the financing of real estate, taxation, tax shelters, and methods and instruments of real estate financing.
Prerequisites: FNB 100, RLS 202

SALES

Sales Management  SLS 300
3 crs. 3 hrs.
This course is a study of the problems of sales management. It covers sales policies, selection and training of salesmen, methods of compensation and sales stimulation, sales administration, budgeting, and sales forecasting. Analysis and evaluation of current practices in sales management will be thoroughly discussed.
Prerequisite: MAR 300

SMALL BUSINESS/ENTREPRENEURSHIP

Product and Service Creation  SBE 100
3 crs. 3 hrs.
This course examines the fundamentals of entrepreneurship, including an analysis of the entrepreneur and exploration of business opportunities, and an investigation of the technical/conceptual creation of products and services. The emphasis will be on the acquisition of knowledge and the analysis of small business creation for the present and future entrepreneur.
Corequisite: BUS 104

International Trade and Export  SBE 200
3 crs. 3 hrs.
This course is a survey of selected fundamental areas of international trade. The student is exposed to theory, policy, and enterprise issues of international trade, behavior of the international money environment, multinational enterprises and governments.
Prerequisite: BUS 104
Independent Research in Small Business  SBE 300
2 crs. 2 hrs.
Based on the student’s interest, the student takes the initiative and major responsibility for developing a comprehensive, holistic view of a specific small business sector or industry and specific small business within that sector. The course aids the student in preparation for the business plan required in SBE 400. Approximately 30-50 hours of library research will be necessary.
Prerequisites: SBE 100, SBE 200

Small Business Management  SBE 400
3 crs. 3 hrs.
This course covers the scope and trends of small business in the economy. The general functions of management, factors in business success and failure, and the entrepreneur’s qualifications are covered. Case studies, mathematical decision making, and microcomputer applications are integral parts of the creation of a usable business plan.
Prerequisite: SBE 300

TRAVEL AND TOURISM

Tour Management  TTA 100
3 crs. 3 hrs.
Tour Management will introduce the students to the international aspects of tour planning and implementation. They will learn how to develop international travel programs including tour design, development and budgets, guiding, escorting, tour management and organization, ecotourism and adventure tourism. Students will travel to a country with travel and tourism professionals from the private and public sectors of this country. They will experience the cultural diversity of other countries and understand how they relate to tour management. This is a study abroad course.

Introduction to Travel & Tourism  TTA 200
3 crs. 3 hrs.
This course provides the student with a basic knowledge of travel and its various purposes: business, educational, cultural, therapeutic, recreational, and family reasons. The factors affecting demand and supply are studied in detail. The final objective is for a student to acquire a thorough knowledge of “tourism” embracing the foundations of transportation, accommodations, business, and special activities which lure a person away from home.

Travel Operations  TTA 201
3 crs. 3 hrs.
This course is designed to qualify individuals to obtain employment in airlines and steamship companies as travel consultants, reservation agents, and account representatives. In addition, this course is designed for students interested in working and eventually owning their own travel agency. Topics include air, rail and ship transportation systems; ticketing; sales methods, and travel agency financing.
Prerequisite: TTA 200

World Markets  TTA 301
3 crs. 3 hrs.
This course is designed to analyze the environment within which international travel, tourism, and commerce take place. The major purpose of this course is to study the markets of the world in order to develop marketing strategies and methods for travel and tourism. Differences among countries and peoples are presented in this context. Some of the specific topics covered are map study, international marketing, marketing research, logistics, and economic profiles of countries.
Prerequisite: TTA 201

CENTER FOR ETHNIC STUDIES
Room 5642, Telephone: (212) 346-0250
The Center for Ethnic Studies offers courses in the following areas: Asian Culture (ASN), Africana Studies (AFN), Latino Studies (LAT), Africana/Latino Studies (AFL). The courses can be used to satisfy liberal arts requirements in literature, the social science disciplines, music and art, or as electives. Courses in the Center for Ethnic Studies are articulated for transfer credit. The educational objectives of the courses include enhancement of critical thinking processes and refinement of written communication skills. The pedagogical approach is interdisciplinary in concept. Students interested in subjects related to career, liberal arts or pre-professional programs should consult members of the faculty in the Center for Ethnic Studies.
Course Descriptions

CENTER FOR ETHNIC STUDIES

Director: Eleanor F. Drabo
Assistant Professor: Nicholas D. Ofiaja, Sintia Molina, Segundo Pantoja
Lecturer: Eleanor F. Drabo
Adjunct Faculty: There are approximately ten adjuncts in the Center.

ASIAN CULTURE (ASN)
SOCIAL SCIENCE
Chinese Culture and Heritage ASN 111
3 crs. 3 hrs.
In this course students will inquire into the nature of classical traditions of Chinese culture. A range of Chinese texts in translation and associated materials will be explored to develop knowledge of the literary and philosophical foundations of Chinese culture. Lectures and readings are in English.

Asian American History ASN 114
3 crs. 3 hrs.
The Asian American presence from the mid-nineteenth century to the present is studied. Three periods, 1848 to 1943, 1943 to 1965, and 1965 to the present are examined. Topics are designed to focus on the impact of historical processes on the cultural, economic, and political experiences of diverse Asian American groups in urban and rural communities. The multi-ethnic aspects of Asian American communities are explored.

LITERATURE
Asian American Literature ASN 339
(same as ENG 339) 3 crs. 3 hrs.
Representative works reflecting the collective experiences of Asian American writers are analyzed. Fiction, poetry, drama, and non-fiction written from Chinese, Filipino, Asian Indian, Japanese, Korean, and Southeast Asian cultural perspectives are discussed.
Prerequisite: ENG 201 or ENG 121

AFRICANA STUDIES (AFN)
BLACK LITERATURE
NOTE: Courses in Black Literature (300 level) satisfy requirements for a third semester of the English sequence. Completion of ENG 201 (see p. 71) is required for all Black Literature courses.

African-American Writing From
18th Century to 1940 AFN 321
3 crs. 3 hrs.
This course is a survey of fiction, poetry, and commentary by African American writers from the 18th century through the Harlem Renaissance to 1940.
Prerequisite: ENG 201

Contemporary Black Writers AFN 322
3 crs. 3 hrs.
This course is a survey of fictional and non-fictional writing by African Americans from 1940 to the present.
Prerequisite: ENG 201

History of Black Theater AFN 335
3 crs. 3 hrs.
This course examines the evolution of the Black Theater as a distinctive cultural entity from the 1820's to the present.
Prerequisite: ENG 201

Black Literature of the Caribbean AFN 338
3 crs. 3 hrs.
The course examines the emergence and growth of a distinct regional literature in English and French speaking nations.
Prerequisite: ENG 201

MUSIC AND ART
African Art (Same As Art 801) AFN 101
2 crs. 2 hrs.
This is a survey course examining the function and form of African art in its past and present relationships to African cultures. The influence of African art forms on Western art is studied. Lectures, slides and visits to museums and galleries are included.

African-American Art AFN 102
2 crs. 2 hrs.
The aesthetic, cultural, and social contexts of African American art are studied. Comparative studies of the art created by Haitian and African-American artists are included in the course.

SOCIAL SCIENCE
History of African Civilization AFN 121
3 crs. 3 hrs.
African civilizations from the pre-historic cultures in East Africa to the decline of the West African kingdom of Songhai in 1596 are examined.
Africa 1500 to Present
AFN 122
3 crs. 3 hrs.
Africa from the beginnings of the Atlantic slave trade to the end of Colonialism in the late twentieth century is examined. The effect of Colonialism on economic and cultural patterns in the African diaspora is explored.

African-American History, 17th Century to 1865
AFN 123
3 crs. 3 hrs.
This course is a systematic examination of the participation of African American people in the political, economic and cultural history of the United States. The involvement of African Americans in abolitionism and in the development of social and cultural institutions in free black communities is analyzed.

African-American History
1865 to Present
AFN 124
3 crs. 3 hrs.
Reconstructions I and II, the social Darwinist years, Civil Rights activism of the 1960's, and the cumulative effects of institutionalized racism are set in an historical framework for comparative study. The course examines the impact of urbanization, institutional racism, economic, and political policies on the life experiences of African-Americans. The dynamics of cultural, social, and political interactions within the social structure of the nation since 1865 are analyzed.

Caribbean History
AFN 126
3 crs. 3 hrs.
This course is a survey of the economic, political and cultural institutions which characterize the present nations of the Caribbean, their antecedents in the post-Emancipation period and the prospects for the future.

Haitian History and Culture
AFN 127
3 crs. 3 hrs.
This course explores the role of economics, culture, and world diplomacy in the development of the Republic of Haiti since the Revolution of 1791. The impact of Haitian intellectual and popular thought on prose, poetry, and art is examined.

Black Women in the Americas and the Caribbean
AFN 128
3 crs. 3 hrs.
The changing status of women in African traditional societies is compared with changes in the status of Black women in the United States, the Caribbean, and Brazil.

The Black Man in Contemporary Society
AFN 129
3 crs. 3 hrs.
The effects of economic and social factors on socialization, status, and levels of achievement among Black men are analyzed. The impact of institutional racism and underachievement on urbanized populations is explored in terms of access, social status, and economic differentials.

Modern Black Political Thought
AFN 152
3 crs. 3 hrs.
The origins of nationalist ideologies, and political and social action in the United States, Caribbean, and Africa are examined. Political and economic developments since the late 19th century are analyzed.

Sociology of the Black Urban Community
AFN 154
3 crs. 3 hrs.
Current theories of socialization, cultural transformation, and poverty are assessed. Field visits to recognized agencies and institutions are arranged under supervision of the instructor.
Prerequisite: Permission of the center

The Black Experience in Africa
AFN 253
3 crs. 3 hrs.
This course is designed to provide the student with an introduction to the cultures of selected African nations through travel, structured reading, and lectures conducted on the campuses of African colleges and universities. Requirements include a term paper. This course and PRN 475 are part of the Center's Study Abroad Program.

The Contemporary Black Family
AFN 256
3 crs. 3 hrs.
The Black family in current urban/suburban settings and the effects of changing value systems, the single-parent family, crises in education, and economic stability are
examined. Field visits to selected agencies and institutions are required.

**Foundations of Black Psychology**  
AFN 271  
3 crs. 3 hrs.  
A critical overview of the major concepts of personality development as applied to perspectives of self, status, and role in Black communities is presented. Field trips to selected agencies are arranged.  
Prerequisite: PSY 100

**AFRICANA/LATINO STUDIES (AFL)**  
Introduction to Afro-American and Caribbean Dance  
AFL 102  
1 cr. 2 hrs.  
This course concentrates on elementary dance of the West Indian, Puerto Rican and African-American cultures. Students are expected to learn basic Dunham techniques as well as regional folk dances such as Samba, Calypso, Fanga, and Gao. By learning these dances, students will better understand the similarities of movement within these cultures.

**SOCIAL SCIENCE**  
Economics of Urban Communities  
AFL 111  
3 crs. 3 hrs.  
This course introduces the subject of urban economics in historical and social contexts rather than as a strict analytical discipline. The causes and existence of poverty in cities, the management of federal, state and local government programs, the financing of Black enterprises, and conditions of social welfare are considered. Solutions toward developing neglected economics of urban communities are proposed.

**Economic Development of the Dominican Republic in the 20th Century**  
AFL 112  
3 crs. 3 hrs.  
This course analyzes the economic policies of the different political regimes in the Dominican Republic from the end of the 19th century to the present. It studies the application and results of these policies—changes brought about by these regimes in trade, industry, agriculture and population. It also examines the influence of the United States on developments in the Dominican economy during this century.

**African Development in the 20th Century**  
AFL 113  
3 crs. 3 hrs.  
Problems of African economic and political development since 1900 are analyzed. The emergence of conditions contrary to the goals of independence and African participation in world affairs is explored.

**Political Economy of the Caribbean**  
AFL 151  
3 crs. 3 hrs.  
This is a study of the factors affecting the economies of the English and French speaking countries of the Caribbean region. The effects of international diplomacy, multinational corporate policies, educational and social determinants, and economic policies are evaluated.

**Health Problems in Urban Communities**  
AFL 161  
3 crs. 3 hrs.  
This course analyzes the relationships between economic and social factors, and the delivery of health care services in urban communities. Attention is given to community needs related to HIV/AIDS, tuberculosis, mortality rates, prevention, and education. Guest lecturers and workshops are presented.

**LATINO STUDIES (LAT)**  
MODERN LANGUAGES AND LITERATURE  
Representative Puerto Rican Writers  
LAT 233  
3 crs. 3 hrs.  
This is an intensive study of a group of Puerto Rican writers and their reactions to different periods in the history of their country. The course includes both oral and written analyses of the important works of Eugenio Maria de Hostos, Jose de Diego, Antonio S. Pedreira, Julia de Burgos, J. L. Gonzalez, Luis R. Sanchez, and other selected writers. Each writer is studied as a man/woman reflected in his/her works—his/her unique reactions to the circumstances in which he/she has lived. Note: This course is taught in Spanish and satisfies the Liberal Arts requirement for Modern Language.  
Prerequisite: SPN 210 or departmental approval
Puerto Rican Theatre
LAT 235
3 crs. 3 hrs.
This course is a study of the drama written in Puerto Rico during the Spanish Colonial period, its relation to the development of a national identity and its links to the developing drama in Latin America. The course also studies the contemporary dramatic expression both on the island and in the U.S.A., and analyzes the different aspects and problems of a dramatic production. Actors, directors and playwrights are invited for discussions and students are required to see and study local productions. Note: This course is taught in Spanish and satisfies the Liberal Arts requirement for Modern Language. 
Prerequisite: SPN 210 or departmental approval

Puerto Rican Literature: Early Colonial Through 19th Century
LAT 237
3 crs. 3 hrs.
This course is a survey of Puerto Rican literature from the Spanish colonial period through the 19th century. It includes a study of the first literary expressions (both in prose and verse), a history of the various literary movements, and representative authors and their works. Written critical analyses and oral reports on selected work are required. Note: This course is taught in Spanish and satisfies the Liberal Arts requirement for Modern Language. 
Prerequisite: SPN 210 or departmental approval

Contemporary Puerto Rican Literature
LAT 238
3 crs. 3 hrs.
This course covers the contemporary literary expression in Puerto Rico. Authors such as Luis Pales Matos, Julia de Burgos, Diaz Alfaro, and other short story writers are studied and evaluated. The course studies and analyzes the modern novel as a reflection of the present Puerto Rican society. Note: This course is taught in Spanish and satisfies the Liberal Arts requirement for Modern Language. 
Prerequisite: SPN 210 or departmental approval

The Short Story in the Spanish Speaking Caribbean
LAT 239
3 crs. 3 hrs.
This course studies the short story as a major form of literary expression in the Spanish speaking countries of the Caribbean: Colombia, Cuba, the Dominican Republic, Puerto Rico, and Venezuela. It studies the development of the short story beginning with Indian legends recreated by Spaniards during the early Colonial period. Examples of short stories written during the different literary movements are studied and analyzed. The relationship between the writer and society is analyzed as well as the common history, culture, and socio-economic problems which are reflected in each story. Note: This course is taught in Spanish and satisfies the Liberal Arts requirement for Modern Language. 
Prerequisite: SPN 210 or departmental approval

MUSIC AND ART
Puerto Rican Music
LAT 141
(Same as MUS 881) 2 crs. 2 hrs.
This course studies the history and development of Puerto Rican music, beginning with an analysis of the role of music in each of the three cultures (Arawak, Spanish, and West African) that comprise the Puerto Rican society. The characteristics of each one of these musics, the relationship between music and social organization, and the presence of these characteristics in the music of the Colonial period are examined. The growth of the Puerto Rican society during the 18th and 19th centuries and its resulting social divisions are studied as the groundwork to analyze the relationship between music and social class. The marked influence of West African rhythms in the contemporary music of the Caribbean and the connection between music and national identity are also studied. Lectures are supplemented with tapes, phonograph records, and live performances.

SOCIAL SCIENCE
Puerto Rican Culture and Folklore
LAT 125
3 crs. 3 hrs.
This course studies the emergence of a national culture, folklore and identity. Topics include the Taino, Spanish, and African contributions to the creation of a criollo personality and character and the Puerto Rican family, race relations, the jibaro, religion, and the arts. It reviews customs, traditions, celebrations, dances, legends, songs, proverbs, and hero/underdog stories as well as the impact of the United States culture.
Course Descriptions

**CENTER FOR ETHNIC STUDIES**

**History of Puerto Rico: Discovery through 19th Century**

LAT 127 3 crs. 3 hrs.
This course studies the history of Puerto Rico from the pre-Columbian period to the end of the 19th century. Consideration will be given to political, social, cultural, and economic factors contributing to the emergence of national consciousness in the 19th century and to the events leading to the Spanish-American War in 1898.

**History of Puerto Rico: 1900 to Present**

LAT 128 3 crs. 3 hrs.
This course studies the historical conditions of Puerto Rico in the 20th century. The transition from a Spanish colony to an American possession is examined. The events and forces that created the present Puerto Rico are studied and analyzed in perspective. The alternatives to the problem of status—commonwealth, statehood, and independence—are studied.

**History of the Dominican Republic**

LAT 131 3 crs. 3 hrs.
This course studies the history of the Dominican Republic from the pre-Columbian and Colonial periods to the present. It deals with the geographical, political, social, and economic factors that form the Dominican nation. Emphasis is given to relations with Haiti and North America. The course also analyzes the position of the Dominican Republic in the community of Latin American nations as well as its place in today's world.

**Politics of Puerto Rican Communities**

LAT 151 3 crs. 3 hrs.
This course is an analysis of the political movements and parties of Puerto Rican communities in the U.S.A.; the relationships of these movements and parties toward political development in Puerto Rico; the role of the Puerto Rican in both traditional and radical political movements in the U.S.A.; and how political participation in the American process has come to contribute to a sense of community identity among Puerto Ricans in the U.S.A.

**Puerto Rican Experience in Urban U.S. Settings**

LAT 152 3 crs. 3 hrs.
This course studies the peculiar characteristics of the Puerto Rican migration to the U.S. It analyzes the processes of assimilation and adaptation to the American society as opposed to the identity and preservation of Puerto Rican cultural values. The problems of education, housing, health services, family and community, employment, and economic development are given special attention as they relate to the unique experience of the Puerto Rican in the U.S.A.

**The Puerto Rican Family**

LAT 234 3 crs. 3 hrs.
This course studies the Puerto Rican family as the primary unit of Puerto Rican society, reflecting the patterns and dynamics of that society. It examines the variations in family structure that have evolved from the Taino, Spanish and African cultures. The historical and economic changes that have transformed Puerto Rican society are analyzed with emphasis on their effect on the family structure. The experience of migration and its impact on the Puerto Rican family are considered. Attention is given to the problems facing the family as the unit of migration.

**Puerto Rican Economic Development Since 1898**

LAT 236 3 crs. 3 hrs.
This course analyzes the history and effects of American economic policies on contemporary Puerto Rico. Economic conditions before the American occupation are examined with the objective of comparing them with the conditions and changes after 1898. The period of sugar as a monoculture is studied as well as the great depression and its impact on Puerto Rico. The coming to power of the Popular Party, with its politics of land reform and economic development, are examined. The economic and social planning that have brought about modern Puerto Rico are analyzed.

**Latin American & Caribbean Society**

LAT 475 3 crs. 3 hrs.
This is a summer course taught abroad in a Latin American or Caribbean country. It offers the student the
opportunity to travel, to share, to live and to study in another country. From a global perspective, this course explores the history and culture of a selected Latin American or Caribbean country by focusing on religion, homeland, art, family, identity, film, economic development, social and political movements and environment as they are presented as major themes of current research and in the tangible appreciation of the student. 
Prerequisite: A functional knowledge of the language of the country or countries visited may be required.

**CHILD CARE/EARLY CHILDHOOD EDUCATION**

Room N607, Telephone: (212) 346-8115
Coordinator: Mohammed Ahmeduzzaman
Associate Professor: Rachel Theilheimer
Assistant Professors: Mohammed Ahmeduzzaman, Fatima Humera, Georgenne Weisenfeld
Instructor: Caren Leslie
Adjunct Faculty: There are approximately fourteen adjuncts in the program.

**Early Childhood Education I**
ECE 102
3 crs. 2 hrs. 2 lab hrs.
An introductory course for prospective assistant teachers. The course identifies the philosophy, practices and resources in the field of early childhood education today. History, program models, theories, and emerging issues, including child abuse and neglect will be covered. In addition, students visit early childhood education settings for first hand observation of young children.

**The Exceptional Child**
ECE 201
3 crs. 2 hrs. 2 lab hrs.
This course identifies the various handicapping conditions and special needs of young children, including the gifted. The course defines emotional, intellectual, physical, visual, hearing, orthopedic, speech and/or language impairments. In addition, techniques and strategies for mainstreaming these children within the early childhood educational environment are included.
Prerequisite: ECE 102

**Curriculum and Program Planning for Young Children I**
ECE 202
3 crs. 2 hrs. 2 lab hrs.
This is an intensive course in the methods and materials of early childhood education, including theory, curriculum construction and planning, analysis of the role of the assistant teacher, materials, equipment, space, arts, crafts, music, children's literature, language arts, and school services.
Prerequisite: ECE 102

**Infant Care Curriculum and Program Planning I**
ECE 204
3 crs. 2 hrs. 2 lab hrs.
This is an intensive course in the methods and materials of infant (2 months to 18 months) care, including theory; curriculum construction and planning; infant's emotional, cognitive, social and physical development; the role of parent; infant's schedules and routines; and infant observation and recording.
Prerequisite: ECE 102

**Early Childhood Education II**
ECE 301
3 crs. 1 hr. 4 lab hrs.
This is a fieldwork course focusing on the observation of children, requiring supervised participation in an assigned early childhood education setting, such as a day care center, pre-kindergarten, Head Start, infant care, private school, etc. The student spends a minimum of 60 hours in the field.
Prerequisite: ECE 202

**Curriculum and Program Planning for Young Children II**
ECE 302
3 crs. 2 hrs. 2 lab hrs.
This is a continuation of Curriculum and Program Planning I. Methods and materials of early childhood education in science, social studies, and mathematics are studied.
Prerequisite: ECE 202

**Early Childhood Education II**
ECE 303
3 crs. 1 hr. 4 lab hrs.
This is a fieldwork course focusing on the observation of children, requiring supervised participation in an assigned group care, infant, or toddler setting. The student spends a minimum of 60 hours in the field.
Prerequisite: ECE 204
**Course Descriptions**

**Child Care/Early Childhood Education • Computer Information Systems**

**Toddler Care Curriculum and Program Planning II**

ECE 304

3 crs. 2 hrs. 2 lab hrs.

This is a continuation of Infant Care Curriculum and Program Planning I. The topics introduced in ECE 204 and their applications to the toddler child age 18 months–36 months are considered. These include: theory, curriculum and planning; toddler's emotional cognitive, social, and physical development; the role of the parent; toddler's schedules and routines; and toddler observation and recording.

Prerequisite: ECE 204

**Supervised Instructional Experience With Young Children**

ECE 401

4 crs. 1 hr. 6 lab hrs.

This course deals with the application of theory through supervised observation and student teaching in the preschool setting. This experience is implemented by a weekly lecture designed to coordinate the curriculum sequence with practical experience, thus preparing the prospective assistant teacher to assume his or her role upon commencement. The student spends a minimum of 90 hours in the field.

Prerequisites: ECE 301, ECE 302

**Supervised Instructional Experience With Infants and Toddlers**

ECE 403

4 crs. 1 hr. 5 lab hrs.

This course deals with the application of theory through supervised observation and student teaching in assigned group care, infant, or toddler setting. This experience is supplemented by a weekly lecture designed to coordinate the curriculum sequence with practical experience, thus preparing the prospective assistant teacher to assume his or her role upon commencement.

Prerequisites: ECE 303, ECE 304

**Computer Information Systems**

Room S150, Telephone: (212) 346-8450

The Computer Information Systems Department offers programs in Computer Operations and Computer Programming leading to the Associate in Applied Science (A.A.S.) degree. Both programs provide students with technical competence in the field of computer information systems and a basic understanding of business organization and the role of computer information systems in support of the management process. Students may prepare for a variety of entry-level positions and for transfer to senior colleges. In addition, the department offers a program in Computer Science leading to the Associate in Science (A.S.) degree which is intended for the student who is interested in a more theoretical course of study. Students in this program are prepared for transfer to a baccalaureate degree program in computer science.

Chairperson: Mary Alice Cohen

Deputy Chairperson: Anna Salvati, Albert Errera

Professors: Richard Chorley, Mary Alice Cohen, Albert Errera, Toby Ginsberg, Ahmet M. Kok

Associate Professor: Carlos Linares

Assistant Professors: Yakov Genis, Tasneem Kazmi, Lin Wang Leung, Anita Salvati

Instructors: Yi-Cheng Chen, Jose Vareas

Lecturers: Robert Greer

Senior College Laboratory Technician: Luis Rivera

College Laboratory Technician: Tak Yuen

Adjunct Faculty: There are approximately twenty-two adjuncts in the department

**COMPUTER INFORMATION SYSTEMS**

**Introduction to Computer Applications**

CIS 100

3 crs. 4 hrs.

This course develops an understanding of computer technology through the exploration of software packages on personal computers. The applications include word processing, spreadsheet, and database management. Students will also learn computer terms and concepts as well as the historical, social and economic implications of computer technology for our society.

**Introduction to Computerized Medical Records**

CIS 105

2 crs. 3 hrs.

This course covers the current use of computers and data processing systems in the medical record field. This is a required course in the MRT curriculum.

Prerequisites: HIT 204, HIT 205, HIT 206, HIT 210, BIO 425

Corequisites: HIT 330, HIT 331, HIT 332
## Course Descriptions

### Computer Information Systems

**Introduction to Data Base Applications**

CIS 120

2 crs. 3 hrs.

This course introduces the student to data base concepts and applications using state-of-the-art data base packages. The student not only studies the theory of data bases, but also implements and tests complete data base applications.

*Prerequisite:* CSC 110 or CIS 100

**Introduction to Spreadsheet Packages**

CIS 140

2 crs. 3 hrs.

This course introduces the student to spreadsheet concepts and applications using state-of-the-art spreadsheet packages. Emphasis is placed on the use of the package to solve a wide range of business problems, including, but not limited to, accounting, scheduling and statistical applications. Students will develop and test a series of projects.

*Prerequisite:* CSC 110 or CIS 100

**Desktop Publishing Packages**

CIS 160

2 crs. 3 hrs.

This course teaches students to use desktop publishing software to prepare a variety of documents in different page layouts including alphanumerics (in assorted fonts), graphics in various file formats or a combination of both. Students will learn the basic concepts of desktop publishing and how to organize and compose a document. Not open to students from the Office Administration department.

*Prerequisite:* CSC 110 or CIS 100

**Introduction to the Internet**

CIS 180

3 crs. 4 hrs.

This course introduces basic concepts of the Internet and Internetworking. The subjects covered include basic networking concepts of transmission, topology and switching; highlights of TCP/IP protocol; hardware and software needed, and Internet applications of sending and receiving e-mail, navigating through gopher holes, accessing newsgroups, and accessing other computers through telnet and World Wide Web.

*Prerequisites:* CIS 100 or CIS 110

**Advanced Computerized Medical Records Applications**

CIS 205

2 crs. 3 hrs.

This course enables students to gain skills in the use of computer software specifically designed for medical record applications. This is a required course in the MRT curriculum.

*Prerequisites:* HIT 330, HIT 331, HIT 332, CIS 105

*Corequisites:* HIT 421, HIT 422, HIT 423, HIT 430

**BASIC**

CIS 220

3 crs. 4 hrs.

This course covers a full range of BASIC language elements. A series of programs are completed to cover typical business, scientific, graphics, gaming and simulation applications.

*Prerequisite:* CSC 210

**RPG Programming**

CIS 225

3 crs. 4 hrs.

Report Program Generator (RPG) is the program language presented in this course. Students obtain practical experience by writing programs in this computer language, utilizing field validation techniques, control breaks, table handling, processing methods, matching records and file updating. RPG gives students experience with a non-procedural programming language which is widely used in the business community.

*Prerequisite:* CSC 110

**Computer Operations I**

CIS 235

4 crs. 5 hrs.

This course presents a detailed and practical study of the operation of the mainframe computer. Students learn the command language and control statements for the IBM VM/CMS system. In addition, utility programs, disk concepts and terminal concepts along with operations in a networked environment are introduced. Students are familiarized with file handling techniques and how to compile, store, and load programs for various languages supported by the hardware.

*Prerequisite:* CSC 110

**FORTRAN**

CIS 240

3 crs. 4 hrs.

This course covers the full grammar of FORTRAN in theory and practice. FORTRAN's data types are explored through the construction of a variety of programs.
### Course Descriptions

#### COMPUTER INFORMATION SYSTEMS

**FORTRAN's control structures are explored by designing these programs using the modular and structured methods of program construction.**  
*Prerequisite: CSC 110*

**Advanced Internet Applications**  
CIS 280  
3 crs. 4 hrs.  
This course builds upon the knowledge acquired in CIS 180 and introduces the students to the applications of World Wide Web. It teaches how to produce home pages and build hyperlinks to other pages through HTML language; how to configure and install a World Wide Web server; how to use WAIS and other search engines; and to interface with other servers. Students will also be introduced to videoconferencing over the Internet.  
*Prerequisite: CIS 180*

**Systems Analysis**  
CIS 325  
3 crs. 4 hrs.  
This course teaches the student how to analyze systems of programs and how to document these analyses. The student will learn CASE (computer assisted systems engineering) tools that are currently used in the field of systems analysis. Students are required to complete a semester project to analyze a complex computer system. This project will require the use of CASE tools to document the input and output requirements, data dictionaries, database design and normalization, ERD (entity relationship diagrams), DFD (data flow diagrams), systems flowcharts, run charts, and PERT (program evaluation review technique) charts.  
*Prerequisite: CSC 210*

**Computer Operations II/JCL**  
CIS 335  
3 crs. 5 hrs.  
This course introduces the student to practical experience operating a mainframe computer through the use of OS/MVS Job Control Language (JCL). The background, purpose and the concepts of operating systems as implemented through OS/MVS JCL are taught through a series of practical assignments. Also covered are the creation and execution of utility and sort/merge programs in the IBM 30XX environment.  
*Prerequisite: CIS 235 or any CIS 300-level course*

**Programming in C**  
CIS 340  
3 crs. 4 hrs.  
Students learn to program in "C" through examples and exercises and write several programs designed to emphasize and illustrate the extensive capabilities of the language.  
*Prerequisite: CSC 210*

**Telecommunication Networks I**  
CIS 345  
4 crs. 5 hrs.  
This course is an introductory course in telecommunications networks. It covers the fundamentals of networking concepts, such as networking media, topology, switching, and management. It will also include an introduction to Open System Interface (OSI) layered organization and the functionality of each layer.  
*Prerequisite: CSC 210 or CIS 235*

**PL/1 (Programming Language/One)**  
CIS 360  
3 crs. 4 hrs.  
This course is designed to provide the student with the ability to use PL/1 effectively as a programming language in solving a variety of data processing problems. Attention is given to structured program design, structured program writing, and program debugging. Each student is expected to design, write, debug, and successfully execute several programs.  
*Prerequisite: CSC 110*

**Business Systems I**  
CIS 365  
4 crs. 5 hrs.  
This course is an introductory business programming course. It introduces the students to business programming concepts such as analysis, implementation, and documentation of business systems. The students write business programs using the COBOL programming language. The programming assignments include report generation, data validation, sort programs and single and multidimensional tables. The students are required to test and document all programs using standard business programming methods.  
*Prerequisite: CSC 210*

**JAVA Programming**  
CIS 380  
3 crs. 2 lecture, 2 lab hrs.  
Students will learn to program in the Java language through examples and exercises. Students will write programs designed to illustrate and emphasize the extensive capabilities of the language and its environment.
Systems Implementation
CIS 420
3 crs. 5 hrs.
Students continue from the realm of theory taught in CIS 320, Systems Analysis, to realities of practical applications. The class is divided into teams. A system is developed as a joint effort by each team as it analyzes, systematizes, programs, and writes documentation to implement its projects. In addition to the team projects, topics relevant to current computing techniques are discussed and where applicable, demonstrated to, or practiced by the class.
Prerequisite: CIS 365 or CIS 320

UNIX
CIS 440
3 crs. 4 hrs.
Students are introduced to the UNIX operating system, its external commands, internal structures, and text processing capabilities.
Prerequisite: CIS 340

Telecommunications Networks II/LAN
CIS 445
4 crs. 5 hrs.
This course is a second course in telecommunications networks with special emphasis on Local Area Networks (LAN). It covers the fundamentals of LAN technology, such as wiring and topology as well as implementation and management of LANs. Advanced topics include LAN connectivity and future LAN directions.
Prerequisite: CIS 345

Business Systems II
CIS 465
3 crs. 5 hrs.
This course is a second course in business programming where the students are introduced to advanced programming concepts in the COBOL language and a fourth generation business language. Individual programming projects include creation and usage of random (VSAM) files, interactive screen design and generation for online input and modification, and documentation of existing system modules through analysis of maintenance requests.
Prerequisite: CIS 365

Operating Systems Concepts
CIS 480
3 crs. 3 hrs.
This course covers the main operating systems that are being used in the computer industry today. Emphasis is placed on OS and its libraries, systems generation, linkage, editor, JCL, and data management techniques. The course reviews other operating systems and compares them to OS.
Prerequisite: CIS 365 or CIS 235

COMPUTER SCIENCE

Computer Programming I
CSC 110
4 crs. 5 hrs.
This course introduces the student to the theoretical and practical aspects of computers. The major laboratory experience is the completion of programming projects using Polya’s four-step method. These projects have been carefully selected and ordered to provide the student with experience in fundamental control and data structures. All practical programming work is done on microcomputers.

Computer Programming II
CSC 210
4 crs. 5 hrs.
This course is a continuation of CSC 110. Students are introduced to elementary data structures, string processing, and searching and sorting techniques. Students are expected to complete several complex programs.
Prerequisite: CSC 110

Discrete Structures
CSC 230
3 crs. 3 hrs.
This course focuses on discrete structures and techniques which have direct applications in computer science. Topics include the use of monoids, groups, finite automata and Turing machines in understanding and implementing simulations, circuitry, and the encoding and decoding of information.
Prerequisites: CSC 110 and MAT 200

Assembler Language and Architecture I
CSC 310
3 crs. 4 hrs.
This course is designed to provide a basic knowledge of computer architecture and Assembler Language programming with emphasis on the following areas: main storage organization, instruction sets and addressing, index and displacement registers, interrupts, and the program status word.
Prerequisite: CSC 210
Data Structures I  
CSC 330  
3 crs. 4 hrs.  
This course is an introduction to abstract data structures,  
their use and implementation. Storage allocation  
techniques, including stacks, queues, and linked lists and  
recursive programming will be discussed. Students will be  
expected to complete several programming assignments  
illustrating the basic concepts.  
Prerequisites: CSC 210 and CSC 230

Assembler Language  
and Architecture II  
CSC 410  
3 crs. 4 hrs.  
The students enhance their knowledge of Assembler  
Language and machine architecture by writing  
sophisticated programs utilizing indexing, subroutines  
and linkage conventions. User and system macros,  
conditional assembly and file input/output operations  
are covered.  
Prerequisite: CSC 310

Data Structures II  
CSC 430  
3 crs. 4 hrs.  
This course introduces the student to more complex data  
structures. Topics include: the manipulation of trees,  
graphs and multi-linked structures, design and analysis  
of searching and sorting algorithms with emphasis on  
complexity and efficiency and memory management.  
Prerequisite: CSC 330

Computer Graphics  
CSC 450  
3 crs. 4 hrs.  
This course is an introduction to the principles of  
interactive computer graphics, including input  
techniques and devices, display files, and two-and-three-  
dimensional computer graphics.  
Prerequisites: CSC 210 and CSC 230

MULTIMEDIA

Introduction to Multimedia  
MMP 100  
3 crs. 2 lecture, 2 lab hrs.  
This course introduces students to the fundamentals of  
multimedia production. In a hands-on class, students  
will learn the essentials of program design and authoring  
software in an integrated computer environment.  
Students will learn how to combine graphics, audio and  
text to create programs for industrial and educational  
applications.

Multimedia Design  
MMP 200  
3 crs. 2 lecture, 2 lab hrs.  
Building on the principles learned in introduction to  
multimedia, students will learn to manipulate graphics  
and text in more sophisticated ways for use in print  
layout as well as multimedia. An emphasis will be placed  
on design concepts for the creation of pages.  
Prerequisite: MMP 100

Programming for Multimedia  
MMP 220  
4 crs. 3 lecture, 2 lab hrs.  
This course introduces the basic concepts of  
programming for multimedia. Students will learn the  
principles of object oriented programming and how to  
create scripts for the manipulation of video, graphics,  
and text to construct a complete multimedia  
presentation.  
Prerequisite: MMP 100

Multimedia Networks  
MMP 320  
4 crs. 3 lecture, 2 lab hrs.  
This course will introduce the fundamentals of computer  
communications and its effects on multimedia  
applications, the OSI reference model, communication  
protocols, transmission media will be discussed and their  
impact on the performance of multimedia applications  
will be examined. Different network design strategies and  
their tradeoffs will be addressed to enhance students’  
understanding of computer networks for multimedia.  
Prerequisite: MMP 220

Distributed Multimedia Applications  
MMP 420  
4 crs. 3 lecture, 2 lab hrs.  
This course will introduce the concept of designing and  
constructing a distributed multimedia presentation. It  
will cover issues of synchronization between applications,  
partitioning of relevant applications and interaction  
management for multimedia applications distributed  
over a network. The students will be expected to design  
and implement a simple distributed multimedia  
application.  
Prerequisite: MMP 320

Multimedia Project Lab  
MMP 460  
4 crs. 3 lecture, 2 lab hrs.  
Students will work collaboratively to plan, design and  
create a complete project to be stored on a CD ROM.  
Projects may be drawn from such applications as:
information kiosks; computer-assisted instruction; and creation of world wide web sites.

Prerequisite: MMP 320 or CCC 270 or ART 354

COOPERATIVE EDUCATION

Room N757, Telephone: (212) 346-8360

The philosophy of cooperative education is to enhance the relevance of theories learned in the classroom, giving students the opportunity to apply those classroom theories to practical work experience gained through on-the-job internships in business, industry, government, or service organizations. The Cooperative Education Department makes every effort to ensure that there is an experiential component to each student’s BMCC education. Cooperative Education is required of students majoring in Accounting, Business Management (including areas of study in Finance and Banking, General Management, Marketing, Real Estate, and Travel and Tourism), Corporate and Cable Communications, Multimedia Programming and Design and Office Automation/Operations. It is optional in Computer Information Systems and Liberal Arts. The typical Cooperative Education requirement is the Career Planning course (CED 201) and an Internship (CED 300).

Chairperson: Daisy Alverio

Professors: Daisy Alverio, Patricia Hough

Assistant Professors: Henry G. Stroobants, Joanne Tekula

Lecturers: Stephanie Billingsley, Jonathan Dash, Joan Jeter-Moye, Eleanor Rollins

Corporate Recruiting Liaison: Elena Salcedo

Adjunct Faculty: There are usually three adjuncts in the department.

Career Planning
(Classroom Course) CED 201

2 crs. 2 hrs.

Designed to help students creatively plan their careers, the course covers self-assessment, career exploration and practical job search skills. Typically, the course includes the following topics: identifying and classifying needs, interests, values and skills; researching occupational and organizational alternatives; job search techniques and resources for employment; resume and cover letter preparation; and job interviewing and follow-up.

Students who are required to register for the classroom course CED 201, Career Planning, should do so after completing all remedial requirements and accumulating more than 12 credits. After accumulating 24 credits, including 6 credits in their major, students who are matriculated with a 2.0 GPA or higher register for Internship I (See CED 300).

Cooperative Education Internships CED 300, 400, 500

2 crs. 15 hrs.

The following internships are offered by the Department:

| CED 301 | Accounting Internship I |
| CED 401 | Accounting Internship II |
| CED 501 | Accounting Internship III* |
| CED 305 | Liberal Arts Internship I |
| CED 405 | Liberal Arts Internship II |
| CED 315 | Computer Information Systems Internship I |
| CED 345 | Multimedia Internship I |
| CED 415 | Computer Information Systems Internship II |
| CED 371 | Corporate and Cable Communications Internship I |
| CED 471 | Corporate and Cable Communications Internship II |
| CED 351 | Office Administration Internship I |
| CED 451 | Office Administration Internship II |
| CED 551 | Office Administration Internship III* |
| CED 361 | Business Management Internship I |
| CED 365 | Small Business/Entrepreneurship Internship I |
| CED 461 | Business Management Internship II |
| CED 561 | Business Management Internship III* |

Business Management Internships include students in the following areas of study: Finance and Banking, General Management, Marketing, and Travel and Tourism. Liberal Arts Internships include students majoring in Business Administration, and Liberal Arts.

*Registration in the CED 500 series requires special approval by the Cooperative Education Coordinator.
The Internship
Each student intern is assigned to a coordinator (a faculty member in the Department of Cooperative Education and Placement) who is knowledgeable about the student’s field. The faculty coordinator helps the student secure internship placement and serves as the student’s instructor and advisor during the field experience. In addition, the student has a unique opportunity to discuss and evaluate broader goals and career objectives on an individual basis.

Cooperative Education interns are expected to work fifteen hours a week, complete a term project assigned by the faculty coordinator, and be evaluated by the worksite supervisor. Most students work part-time, fifteen hours per week, a minimum of 150 hours per semester, in a field related to their majors while remaining full-time students, and receive two academic credits. Internships may be paid or unpaid.

Pre-Registration Orientation
Each semester, during the Academic Advisement period, the Department conducts pre-registration orientations for all students planning to enroll in the coming semester internship program. Attendance at these sessions is mandatory. Students must meet with a coordinator and receive written permission to take an internship before registration.

Registration and Scheduling
When registering, students must schedule classes either in the morning or afternoon, leaving a half-day or two full days open for internship assignments in a business, industry, government, or service organization. Students should allow enough travel time between the College and the job. It is the responsibility of the student to report to the Department of Cooperative Education within the first week after the beginning of the semester to arrange for an appointment with the assigned faculty coordinator.

Special Situations:
Students who are working complete a special version of the Internship tailored to meet their particular circumstances. Students currently working must contact the Department to discuss with a faculty coordinator how the internship requirement will be fulfilled.

Other conflicts and problems can be resolved only by discussing them with the appropriate faculty coordinator. Students should resolve all problems and concerns by the time they have accumulated 15 credits in order to avoid delaying graduation.

For complete information visit the Cooperative Education Department in N757; see the chair, and ask for a copy of the internship student handbook.

It is the policy of the Cooperative Education Department to utilize employers who hire students without regard to sex, race, color, national origin, handicap, sexual preference, or age.

DEVELOPMENTAL SKILLS
Room N420, Telephone: (212) 346-8310
The Department of Developmental Skills offers courses in Critical Thinking, English as a Second Language (ESL), Linguistics and Reading (RDG). The courses help students in developing skills essential to continued academic progress.

In order to determine whether a student has a need for these courses, placement examinations in reading and writing (the CUNY Skills Assessment Test) are given. As a result of the examinations, students may be assigned to appropriate ESL and/or reading courses at appropriate levels. An ESL course is required for all students whose placement examination in writing receives a non-passing score and whose major problems with writing stem from a foreign language background.

Beginning in Fall 2000, the CUNY Assessment Reading and Writing tests will be replaced with the new CUNY/ACT Skills tests. The new tests have three parts: Reading Skills, Writing Skills and a Writing Sample. The CUNY/ACT tests will be used for initial placement for Spring 2001 and for exit from the top-level course in Reading, English and English as a Second Language.

Students enrolled prior to Fall 2000 who have successfully completed the remedial or ESL sequences may satisfy CUNY requirements if they pass the CUNY Writing and Reading Assessment tests before February 1, 2001. As of February 1, 2001, students must pass the new CUNY/ACT tests. In addition, effective Spring 2001, the prerequisite for Composition I (ENG 101) is passing the Reading and Writing ACT tests. I
NOTE: Students who are required to take ESL 054/049, 061, 062, 094, 095, or RDG 062, or 075 are not permitted to register for more than a total of 18 contact hours a semester.

Chairperson: Daniel J. Smith
Deputy Chairpersons: Kenneth Levinson, Cynthia Richards
Professors: Edward M. Bostick, Gay Brookes, Janis Jones, Anne Friedman, Bette Kalash, Lanny Lester, Carol Lindquist, Yvonne K. Pratt-Johnson, Judith Resnick, Sylvia Seidman, Daniel J. Smith
Associate Professors: Yeghia Asilian, Paul Cambi, Kenneth Levinson, Susan Price, Cynthia Richards, Maya Sharpe, Jean Withrow
Assistant Professors: Hafiz Baghban, Audrey Bynoe, Juliet Emanuel, Sharona Levy, Tajpertab Rajkumar, Yong Wei, Dongmei Zeng
Instructors: Paulette Henderson
Lecturers: Louise Axelrad, William D. Bonham, Eleanor Frorup, Anne O. McCammon, Paulette R. Plonchak, Theresa Suraci
Senior College Laboratory Technician: Joseph Johnson
College Laboratory Technician: Ruru Rusmin
Adjunct Faculty: There are approximately 100 adjuncts in the Department.

CRITICAL THINKING
Critical Thinking CRT 100
3 crs. 3 hrs.
Critical Thinking presents reasoning and problem solving techniques. It begins with a description of the thinking process and proceeds to examine areas such as identifying and defining problems; understanding the roles of evidence, interpretation, and perception in reasoning; distinguishing between belief and knowledge; understanding the role of language; technique for organizing information; and methods for building and analyzing arguments.

ENGLISH AS A SECOND LANGUAGE
English as a Second Language ESL 054
0 cr. 9 hrs.
English as a Second Language ESL 049
0 cr. 3 hrs.
These two Intensive English courses are designed in their combined form to improve the reading/writing and aural/oral skills of the beginning and low-intermediate student. These two courses must be taken concurrently and are obligatory for one semester for all incoming ESL students whose placement examinations show a need for instruction at this level.

English as a Second Language ESL 061
0 cr. 6 hrs.
This course is designed for students who do not pass ESL 054/049 or for part-time incoming students at the ESL 054/049 level.

English as a Second Language ESL 062
0 cr. 6 hrs.
This is a high-intermediate level course that combines listening, speaking, reading, and writing skills. Narrative and descriptive writing are emphasized and expository writing is introduced.

English as a Second Language ESL 094
0 crs. 6 hrs.
This advanced level course emphasizes writing and reading skills; however, oral skills are not neglected. In writing, students focus on introducing, developing, supporting, and organizing their ideas in expository essays as well as in narrative and descriptive writing.

Intensive Writing ESL 095
0 crs. 6 hrs.
This intensive writing course for ESL students focuses on basic components of effective writing, including paragraph development and structure, sentence structure, word choice, and content. Students read and respond to a variety of texts and use argumentation, narrative, and description as modes of developing ideas in writing.
LINGUISTICS

Language in the Multicultural Setting LIN 100
3 crs. 3 hrs.
This course will introduce the student to the study of language in multicultural urban settings. The course will introduce related topics, such as bilingual/bidialectal families and bilingual education, language and gender, literacy in a changing, technological society, child language acquisition, and different dialects and registers of English. The readings will draw on works in linguistics, literature and related fields. Students will work on critical reading and produce writing based on the readings in connections with their own experiences and backgrounds.

READING

The following reading courses are designed to improve students' ability to read college-level textbooks and other written materials. Students who score below the official exit level on the CUNY Reading Assessment Test are required to register for one of these courses. Based on the results of the test, students are placed in RDG 062 or 075. (RDG 075 is open to those students not required to take a reading course, but who still wish to improve their reading and study skills.) Students use a variety of reading materials and multi-modal resources, including computer-assisted instruction, speed-reading machines, cassette listening tapes, and selected videos.

New CUNY/ACT Tests
Beginning in Fall 2000, the CUNY Assessment Reading and Writing tests will be replaced with the new CUNY/ACT Skills tests. The new tests have three parts: Reading Skills, Writing Skills and a Writing Sample. The CUNY/ACT tests will be used for initial placement for Spring 2001 and for exit from the top-level course in Reading, English and ESL.

Students enrolled prior to Fall 2000 who have successfully completed the remedial or ESL sequences may satisfy CUNY requirements if they pass the CUNY Writing and Reading Assessment tests before February 1, 2001. As of February 1, 2001, students must pass the new CUNY/ACT tests.

Reading and Study Skills II RDG 062
0 cr. 6 hrs.
This intermediate level reading course emphasizes increased reading comprehension through the practice of literal, inferential and critical reading skills, vocabulary development, writing, improved rates of reading, and study skills. A variety of materials is used to enrich students' basic understanding of reading.

Reading and Study Skills III RDG 075
0 crs. 6 hrs.
This advanced level reading course is designed to help students master and apply a full range of college-level reading and related skills, including critical comprehension, vocabulary, writing, flexible rates of reading, and study strategies. A variety of college-level materials is used.

ENGLISH

Room N720, Telephone (212) 346-8630
The English Department prepares students who have various levels of proficiency to reach an optimum level of performance in writing. The courses offered by the department enable students to qualify for graduation and to perform successfully in four-year colleges.

All entering students are required to take the CUNY Writing Assessment Test (WAT) for placement. Students who score below eight will enroll in an appropriate remedial writing course and will not be permitted to enroll in English 101 until they complete their remedial requirements. To be eligible for ENG 201, students must pass the CUNY writing assessment test.

Beginning in Fall 2000, the CUNY Assessment Reading and Writing tests will be replaced with the new CUNY/ACT Skills tests. The new tests have three parts: Reading Skills, Writing Skills and a Writing Sample. The CUNY/ACT tests will be used for initial placement for Spring 2001 and for exit from the top level course in Reading, English and English as a Second Language.

Students enrolled prior to fall 2000 who have successfully completed the remedial or ESL sequences may satisfy CUNY requirements if they pass the CUNY Writing and Reading Assessment test before February 1, 2001. As of February 1, 2001, students must pass the new CUNY/ACT tests. In addition, effective Spring 2001,
the prerequisite for Composition I (ENG 101) is passing the Reading and Writing ACT tests.

All students are required to take English 101 and English 201. Liberal Arts students are required to take one three-credit course beyond English 201. It is an option in the Business Administration program. This requirement may be fulfilled by an English III course or by literature courses offered in the Center for Ethnic Studies (see Asian and Black Literature courses on p. 56).

**Chairperson:** Philip Eggars  
**Deputy Chairperson:** Doris Hart, Ruth Misheloff  
**Professors:** Doris Hart, Nan Bauer-Maglin, Milton Baxter, Charles DePaolo, Philip Eggars, Francis N. Elmi, Leonore Hoffmann, Abraham Kupersmith, Robert Lapides, Barney Pace, Jane Pazznik-Bondarin, Erwin Wong, Jane J. Young, Robert Zweig  
**Associate Professors:** Maria Devasconcelos, Anthony R. Drago, Nancy McClure, Elliot Podwill  
**Assistant Professors:** Marlene Clark, Natalie Farbman, Cheryl Fish, Joyce Harte, Hedwig Heilbrun, Harry Lutrin, Caroline Pari, Yi-Chun Tricia Lin, Jonathan Scott, Diane Simmons  
**Instructor:** Danny Sexton  
**Lecturers:** Andrea Alonzo, Dexter Jeffries, Ruth Misheloff, Joseph Ugoretz, Rebecca Weiner  
**Coordinator of the Writing Center:** John Short  
**Adjunct Faculty:** There are approximately 100 adjuncts in the department.

**Intensive Writing**  
ENG 088  
0 cr. 6 hrs.  
This is a lower-level remedial writing course in which students are introduced to the fundamentals of writing, including punctuation, spelling, grammar, word choice, sentence structure, and paragraphing. Students are given frequent in-class writing exercises that focus on narration and description as modes of developing ideas. Conferences with instructors are frequent. This course is for students who score below five on the CUNY WAT, and it prepares them for English 095.

**Intensive Writing**  
ENG 095  
0 crs. 6 hrs.  
This is an upper-level intensive developmental writing course for students scoring five or six on the CUNY WAT. Students are instructed in basic components of effective writing, including word selection, punctuation, spelling, grammar, sentence structure and paragraph development. Students are given frequent in-class writing exercises that focus on argumentation, narrative, and description as modes of developing ideas. Individual conferences with instructors are frequent.

**English Composition I**  
ENG 101  
3 crs. 3 hrs.  
This is a basic college-level course, similar to "freshman English" at other community and four-year colleges. Students learn to use their experience and ideas as subject matter for essays and to analyze topics in depth. They also become acquainted with the process of writing, from pre-writing activities to producing a final, proofread draft. The purpose of, audience for, and structure of the essay are explored through readings chosen to stimulate ideas for writing and demonstrate varied style. Grammar and syntax are discussed as needed. At the end of this course, students take a departmental essay examination that requires them to compose, draft, and edit a thesis-centered essay of at least 500 words.  
**Prerequisite:** Pass Reading and Writing ACT tests.

**English Composition I and II, in Tandem**  
ENG 121  
6 crs. 6 hrs.  
This course combines English 101 and 201 into a one-semester course. It is designed for students with a high level of reading and writing proficiency. Departmental permission is required.  
**Prerequisite:** Pass Reading and Writing ACT tests.

**English Composition II**  
ENG 201  
3 crs. 3 hrs.  
This course is a continuation of English 101. It helps the student develop the ability to write longer expository essays. Students continue to focus on the writing process as they are introduced to literary genres such as the short story, play, poem, or novel. These help the student develop some awareness of literary form and provide the basis for continued exposition. Students are expected to complete a research project that involves library research, documentation, and the use of source material in a thesis-centered essay.  
**Prerequisite:** ENG 101
Course Descriptions

ENGLISH

English III ENG 3xx
English III consists of the English electives which appear in the catalog as courses numbered English 301 or higher. The literature courses consider, in depth, major writers, literary periods, or genres. The writing courses are workshops where students can develop their writing talents in specialized fields.

The English III courses are similar in structure, organization, and content to courses at four-year colleges. Students who plan to transfer to four-year colleges are urged to contact those colleges to find out which English electives should be taken at BMCC to fulfill their admission requirements.
Prerequisites: ENG 101 and 201, or ENG 121

Journalism: News Writing ENG 303
3 crs. 3 hrs.
This course covers the basic principles and practices of news reporting and writing. Students are taught to write single-incident news stories, conduct balanced interviews and edit their own copy, employing standard copy editing symbols, and format. Emphasis is also given to the theoretical side of journalism with an overview of its history, present legal controls, ethical issues, and rapidly expanding technology.
Prerequisites: ENG 101 and 201, or ENG 121

Journalism: Feature Writing ENG 304
3 crs. 3 hrs.
This course provides further opportunities for students to explore journalism. Students conduct interviews, cover stories around the city and write journalistic articles. Opportunities are provided for specialized coverage in areas such as politics, consumerism, science, education, finance, the arts, social change, and family life. Topics include layout, headline composition, and basics of journalism law.
Prerequisites: ENG 101 and 201, or ENG 121

Creative Writing Workshop ENG 311
3 crs. 3 hrs.
The objective of this course is to sharpen students’ creative writing skills in the genres of the short story, poetry, and drama, depending on students’ interests and ability.
Prerequisites: ENG 101 and 201, or ENG 121

Advanced Composition ENG 314
3 crs. 3 hrs.
This course teaches the writing of formal and informal essays, articles, and reviews in a personal voice. Through the reading of modern and contemporary essays students learn to identify the unique qualities of writers in order to develop an individual style applicable to the various disciplines of public and personal writing.
Prerequisite: A grade of B or better in ENG 201 or ENG 121, or departmental approval

Playwriting ENG 315
3 crs. 3 lecture hrs.
The objective of ENG 315 — Playwriting is to sharpen students’ creative writing skills and to teach them the elements of playwriting and character development. Through the reading of one-act plays and practice writing exercises each week, students will learn the craft of playwriting. They will write scenes and create their own one-act plays.
Prerequisites: ENG 101 & 201, or ENG 121

Film ENG 321
3 crs. 3 hrs. 1 lab. hr.
This is a film history and appreciation course, with special emphasis on style, techniques, genres, and themes. During one double period in which a full-length film is shown, students are encouraged to take notes. In the next class, the film is discussed and analyzed. Students will read about the development of the cinema and write essays about well-known films.
Prerequisites: ENG 101 and 201, or ENG 121

Fiction into Film ENG 322
3 crs. 3 hrs. 1 lab. hr.
In this course film adaptations of 19th and 20th century fiction are compared to their original versions to determine differences and similarities between literary and cinematic technique. Films based on novels include such award-winning movies as "One Flew Over The Cuckoo’s Nest," "Clockwork Orange," and "To Kill A Mockingbird". Also included are film adaptations of stories by writers such as Richard Wright, William Faulkner, Willa Cather, F. Scott Fitzgerald, Ambrose Bierce, and Ernest Gaines. Students will learn terms to describe cinematic effects and techniques.
Prerequisites: ENG 101 and 201, or ENG 121
The Art of the Detective Story  
ENG 332  
3 crs. 3 hrs.  
This course explores the genre of the detective story: its principal themes, plots, characters, and settings; the dramatic changes the genre has undergone (particularly in the twentieth century); its relationship to other literature and new directions of the genre today. In addition, the phenomenal popularity of the detective story will be considered: who is the audience and why has the detective story attracted such a large audience?  
Prerequisites: ENG 101 and 201, or ENG 121  

The Short Story  
ENG 333  
3 crs. 3 hrs.  
This course acquaints students with the wide range and varied forms of the short story as it developed in America, Europe, and other continents. Readings will include works by male and female authors of different periods and nationalities, and some attention may be paid to the historical development of the short story as a genre, as well as the cultural contexts in which the assigned stories were written.  
Prerequisites: ENG 101 and 201, or ENG 121  

Children's Literature  
ENG 334  
3 crs. 3 hrs.  
This course studies and analyzes outstanding classical, contemporary and multicultural literature for children and adolescents, arranged by genre. Students are given an overview of the evolution of the literature from its cultural roots in myth and legend to its present role as a reflector of modern society.  
Prerequisites: ENG 101 and 201, or ENG 121  

Autobiography  
ENG 335  
3 crs. 3 hrs.  
This course will introduce the student to autobiography in the context of literary debate: why do we read autobiography? How do we classify autobiography, as non-fiction or fiction? Works by both men and women of many cultural and socioeconomic backgrounds will be included. Students will examine the various styles, elements, as well as the recurring themes in autobiography, while working on their own "reflection of the self."  
Prerequisites: ENG 101 and 201, or ENG 121  

Science Fiction  
ENG 337  
3 crs. 3 hrs.  
This course examines how science fiction literature envisions the impact of machine technology on the individual and society. The human/machine interaction will be traced from early myths to contemporary science fiction, including works by Asimov, Clarke, Delaney, Gibson, Lem, Orwell, Vonnegut, and Zelazny.  
Prerequisites: ENG 101 and 201, or ENG 121  

Asian American Literature  
(Same as ASN 339)  
ENG 339  
3 crs. 3 hrs.  
Representative works reflective of the collective experiences of Asian American writers are analyzed. American writers are analyzed. Fiction, poetry, drama and non-fiction written from Chinese, Filipino, Asian Indian, Japanese, Korean, and South-East Asian cultural perspectives are discussed.  
Prerequisites: ENG 101 and 201, or ENG 121  

Modern Poetry  
ENG 345  
3 crs. 3 hrs.  
The goals of this course are to stimulate an appreciation for, and an enjoyment of, poetic masterworks mainly of the 20th century. This course includes critical reading and writing; its approach is an in-depth study of poetry which has universal significance. Writers studied include T.S. Eliot, W.H. Auden, Dylan Thomas, e.e. cummings, Pablo Neruda, Langston Hughes, Theodore Roethke, Gwendolyn Brooks, and Sylvia Plath.  
Prerequisites: ENG 101 and 201, or ENG 121  

Women in Literature  
ENG 353  
3 crs. 3 hrs.  
This course focuses on the contributions of women literary artists from a variety of cultures and ethnic groups. It examines how some writers have both reflected the prevailing female stereotypes of their age and background, and also imagined the "New Woman." Enrollment is open to both women and men.  
Prerequisites: ENG 101 and 201, or ENG 121  

Contemporary Urban Writers  
ENG 358  
3 crs. 3 hrs.  
This course focuses on the literature of urban America since 1950 and in particular on how contemporary writers use the images and themes of the city.  
Prerequisites: ENG 101 and 201, or ENG 121
Course Descriptions

ENGLISH

English Literature I  
ENG 371  
3 hrs.  
This course surveys works of English literature from its origins in pre-Norman England to the eighteenth century. The objectives are three-fold: (1) to develop the student's appreciation for literature and an acquaintance with literary masterpieces written in English during the years of this survey; (2) to introduce the student to the major political and cultural events and ideals that shaped England during these years; (3) to illustrate how cultural and political ideals shape human thought and are reflected in literature. Selections may include "Beowulf", "Chaucer's Canterbury Tales", Shakespeare's plays, and Swift's writings.  
Prerequisites: ENG 101 and 201, or ENG 121

English Literature II  
ENG 372  
3 hrs.  
This survey course is independent of English 371, which is not a prerequisite. It covers the principal figures, styles, themes and philosophies represented during three literary periods: the Romantic Era, the Victorian Age, and the Twentieth Century. It exposes students to major works of literature including poetry, plays, short stories, novels, and essays. It enables students to appreciate the thoughts and contributions of outstanding writers such as Keats, Wordsworth, Tennyson, Browning, Yeats, and Eliot, as well as Dickens, Joyce, and Lawrence.  
Prerequisites: ENG 101 and 201, or ENG 121

Introduction to Shakespeare  
ENG 373  
3 hrs.  
This course provides careful, in-depth readings from Shakespeare's tragedies, histories, and comedies. The course examines some of the main characteristics of his work, including his major themes, the development of character and plot, and the special worlds that he creates through his poetic language.  
Prerequisites: ENG 101 and 201, or ENG 121

American Literature I  
ENG 381  
3 hrs.  
This course surveys American literature from its colonial beginnings to the American Renaissance of the nineteenth century—from Anne Bradstreet and Cotton Mather to Walt Whitman and Herman Melville. Students learn about the cultural milieu that influenced writers, read major and representative works, and sharpen their critical abilities.  
Prerequisites: ENG 101 and 201, or ENG 121

American Literature II  
ENG 382  
3 hrs.  
Though English 381 is not a prerequisite, this course begins where 381 leaves off and covers select fiction and poetry from the Gilded Age of the late nineteenth century to the present. Students study major writers and literary movements; and an effort is made to place literature in its cultural context. Works by such writers as Mark Twain, Emily Dickinson, Henry James, T.S. Eliot, Richard Wright, F. Scott Fitzgerald, and Toni Morrison may be included.  
Prerequisites: ENG 101 and 201, or ENG 121

The American Novel  
ENG 383  
3 hrs.  
This course focuses on the gradual emergence of the American novel both as a literary form and as a reflection and reinforcement of patterns in the fabric of American life. Representative authors may include Hawthorne, Melville and Stowe from the 19th century; Lewis, Cather, Fitzgerald, Faulkner, Hemingway, and Steinbeck from the 1920's to the 1950's; and Wright and Mailer of the 1960's and 1970's.  
Prerequisites: ENG 101 and 201, or ENG 121

Modern American Theatre  
ENG 384  
3 hrs.  
The development of the American theatre since the rise of realism is traced through 1920's dramas by O'Neill, Howard, and Rice; comedies of manners by Barry and Behrman; socially conscious plays of the 1930's by Odets, Sherwood, and Hellman; and post-war dramas by Williams and Miller.  
Prerequisites: ENG 101 and 201, or ENG 121

World Literature I:  
From Homer to Dante  
ENG 391  
3 hrs.  
This course offers readings in great books from ancient times to the 15th century. It includes selections from "The Epic of Gilgamesh," Homer, the Greek tragedies, the Bhagavad Gita, Plato, Virgil, the Bible, St. Augustine, and Dante.  
Prerequisites: ENG 101 and 201, or ENG 121
World Literature II: From the Renaissance to Contemporary Times  
ENG 392  
3 hrs.  3 hrs.  
This course includes masterpieces of literature from the 16th to the 20th centuries. Readings will include works of such writers as Shakespeare, Rabelais, Cervantes, Molière, Voltaire, Goethe, Dostoevsky, Kafka, and Pinter. ENG 391 is not a prerequisite for this course. 
Prerequisites: ENG 101 and 201, or ENG 121  
Modern European Novel  
ENG 394  
3 hrs.  3 hrs.  
European social and political ideas as they are reflected in the works of such novelists as Gide, Silone, Koestler, Camus, Sartre, Mann, and Kafka are examined and analyzed. 
Prerequisites: ENG 101 and 201, or ENG 121  

HEALTH EDUCATION  
Room N320, Telephone (212) 346-8270  
The courses which are offered by the Department complement the other curricula in developing the whole person and focusing on individual health needs. The Health Education survey course (HED 100) creates an awareness of the components of well-being. 

NOTE: The courses listed as HED 104, 215, 220, 225, 230, 235, 240, 250 and 260 do not meet the Health Education requirement. Only HED 100 meets the Health Education requirement. 

Chairperson: Philip Belcastro  
Deputy Chairperson: Maura Liberopoulos, Debora Rippel  
Professors: Michael Basile, Philip Belcastro  
Associate Professors: Olivia Cousins  
Assistant Professor: Maura Liberopoulos  
Lecturer: Richard Packard  
Instructor: Debora Rippel  

Health Education  
HED 100  
2 hrs.  2 hrs.  
This introductory course to health education takes a survey approach. It aims to develop attitudes and habits which will promote good physical, mental and social health. Areas of specialization include alcohol, tobacco and substance abuse education; mental health; sex education; family living, and nutrition and exercise. 

Health Education & Wellness  
HED 104  
3 hrs.  3 lecture hrs.  
This course is designed to develop positive health related attitudes, values and habits. These traits will promote good physical, mental and social health and wellness. This will be attained by combining a broad spectrum of health related topics with practical experience in a total fitness program. 

Habituation and Addiction and Their Prevention  
HED 215  
3 hrs.  3 hrs.  
This course covers causes of alcoholism and drug abuse. It discusses ways people are introduced to harmful substances, social and personal effects of alcoholism and drug abuse, prevention, and rehabilitation techniques. Methods and materials for the professional student are given special consideration. 

Human Sexuality  
HED 220  
3 hrs.  3 hrs.  
This course deals with the physiological, psychological and social aspects of human sexual development and functions. 

Health Concerns of Women  
HED 225  
3 hrs.  3 hrs.  
This health course is aimed to be a practical course for students and to affect their lives in a positive way. It provides an opportunity to gain information and insight into the physical, psychological, and social aspects of women's health concerns. 

Consumer Health Survey  
HED 230  
3 hrs.  3 hrs.  
Historical events and contemporary factors affecting the availability, control, and monitoring of American Health Care products and services are explored. Such factors include: the private and public financing of health care, public and private monitoring of health care; and the ethical issues of medical care in America. The purpose of the course is not to advocate any particular health care philosophy, product or service, but to provide the student with the skills and factual base for making informed decisions in the health care marketplace.
Nutrition for Health HED 235
3 crs. 3 hrs.
This course examines what people, advertising and science recommend for our nutritional needs. It tackles subjects such as vitamin supplements, dieting, health food, pregnancy and diet, diet foods, and the diet industry. The course is designed to help students make informed choices regarding their nutritional needs and goals.

First Aid, Safety and Cardio Pulmonary Resuscitation HED 240
3 crs. 3 hrs.
Students in this course acquire knowledge essential for safe living, including the causes and preventions of accidents. The student learns the practical skills of first aid and cardio pulmonary resuscitation. Students are eligible for certification provided they meet Red Cross standards.

Stress: Awareness, Understanding and Management HED 250
3 crs. 3 hrs.
This course is designed to provide students with a comprehensive overview of the psychological, physical, and social understanding of the stress response. The course will explore the divergent ranges of the human stress response, while emphasizing the use of positive stress in an academic setting. Opportunities will be provided for students to learn concrete scientific measures, gain practical insights, and adapt viable stress management techniques. The purpose of the course is not to advocate any one particular technique, but rather to enable students to make informed decisions about stress management approaches toward enhancing health.

Wellness & Cardiovascular Care HED 260
3 crs. 2 lecture, 2 lab hrs.
This course focuses on preventive heart care utilizing: nutritional plans, cardiovascular stress management, cardiovascular knowledge, and individualized cardiovascular fitness programs. In the classroom and fitness laboratory, students explore, devise and practice educational and fitness strategies to improve their overall cardiovascular health.

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HUMAN SERVICES

Room N620, Telephone (212) 346-8234
Coordinator: Emily B. Anderson
Professors: Emily B. Anderson, Ellen Giporen, Paul Levitz
Assistant Professor: Lisa Rose

Introduction to Human Services and Social Work HUM 101
3 crs. 3 hrs.
This course introduces students to the field of Human Services and the profession of Social Work. Those human services which deal with social and personal problems are explored as well as the knowledge base, the skills base, and the values base of the social work profession.
Students are exposed to the methods of working with people as individuals, in groups, and on a community level. This course meets the requirements as a liberal arts elective in social science.

Human Services Skills HUM 201
4 crs. 4 hrs.
The course is designed to train students in the use of helping skills and techniques utilized in the field of human services. Some of the areas covered in the course include interviewing and counseling, making referrals, assessment, group process, and behavioral techniques.
This course is open only to students enrolled in the Human Services curriculum.
Prerequisite: HUM 101

Introduction to Gerontology HUM 211
3 crs. 3 hrs.
This course provides students with a basic understanding of the interrelationships between the physical, intellectual, social, and psychological aspects of the aging process in contemporary society. Problems particular to aging are explored as well as policies and programs which have been developed to deal with them.

Introduction to Disabilities and Behavior Change HUM 212
3 crs. 3 hrs.
This course focuses on the psychological and sociological aspects of disabling conditions, and the approaches to effecting the person’s habilitation/rehabilitation through behavior change.
Prerequisite: PSY 100
Course Descriptions

HUMAN SERVICES • MATHEMATICS

Child Welfare  HUM 213
3 crs. 3 hrs.
This course is a survey of child welfare as a field of Social Work practice. Course content includes the relationships of parents, children, and society; the development of old and new governmental programs for children; the impact on the family of child welfare policies, and the future of child welfare programs in the United States.

Field Experience in Human Services I  HUM 301
3 crs. 1 hr. 6 lab hrs.
Students are placed for one day per week in human service settings where they learn first-hand about agency structure and function, the activities of human service professionals, and the application of human service skills. Settings include community centers, hospitals, family service agencies, community residences for the developmentally disabled, senior citizen centers, homeless shelters, child psychiatric clinics, etc. A one hour weekly class session reinforces the agency experience through case presentations and group discussion. This course is open only to students enrolled in the Human Services curriculum.
Prerequisites: HUM 101 and HUM 201

Field Experience in Human Services II  HUM 401
3 crs. 1 hr. 6 lab hrs.
This course follows the same format as HUM 301. Field Experience in Human Services I. Remaining in the same field placement, the student deepens his/her knowledge and strengthens his/her skills through continued practice and supervision. This course is open only to students enrolled in the Human Services curriculum.
Prerequisite: HUM 301

Social Welfare Programs and Policies  HUM 411
3 crs. 3 hrs.
This course will acquaint students with the social welfare system of the United States. An historical perspective helps to illuminate the evolution of current policies, programs, and practices. Poverty in the U.S. is analyzed as well as the specific programs which have been developed to alleviate it. Cross-cultural approaches to social welfare are also examined.
Prerequisite: POL 100

MATHEMATICS
Room N530, Telephone (212) 346-8530
Every student enrolled in a degree program is required to take at least one college-level course in mathematics. The courses are designed to help students appreciate the logical structure of mathematics and the scope of mathematics in modern society. Procedures and ideas are emphasized, as are the development of applications and skills. In general, the courses offered by the Department attempt to strengthen and enrich the student’s basic understanding of mathematics. In addition, the Department offers courses for students who may be required to take remediation. (Placement in remedial courses is determined by scores on the CUNY Freshman Skills Assessment Test.) There are two levels of remediation: 1) Arithmetic (MAT 010 or MAT 011) and 2) Algebra (MAT 051 or MAT 012).

NOTE: MAT 012 combines MAT 011 and MAT 051. All students must complete MAT 010 or MAT 011, unless exempted. MAT 051 or MAT 012 is a prerequisite of all mathematics courses at the 100 level. All students must complete MAT 051 or MAT 012, if needed.

Chairperson: Patricia R. Wilkinson
Deputy Chairpersons: Allan Felix, Glenn Miller, Anthony Portafoglio, Lawrence A. Sher
Professors: Geoffrey R. Akst, Sadie C. Bragg, June L. Gaston, Toni Kasper, Shantha Krishnamachari, Maria Reid, Lawrence A. Sher, Patricia R. Wilkinson
Associate Professor: Sofya Nayer
Assistant Professors: Nkechi Agwu, Herman J. Drucker, Robert Kaufman, Fred Peskoff, Anthony Portafoglio, Mary R. Kellogg, Lawrence B. Spector, Annie Yi Han
Instructors: Sandra Boer, Steven Brownstein, Fritz Cayemitte, Mahmoud Diarrassouba, Allan Felix, Barbara Lawrence, Glenn Miller, Dwight Pierre, Frederick Reese, Klement Teixeira
Lecturers: Carole Weisbrot, Mildred Whitener, Austin Williams
Senior College Laboratory Technicians: David Lorde
College Laboratory Technician: Mark Jagai, Michael Kent, Marc Somelofski
Adjunct Faculty: There are approximately 100 adjuncts in the department.
## Course Descriptions

### MATHEMATICS

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Code</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Mathematics I</td>
<td>MAT 010</td>
<td></td>
</tr>
<tr>
<td>0 cr. 6 hrs.</td>
<td></td>
<td>This is a course in arithmetic skills and the rudiments of algebra. Topics covered include: whole numbers, fractions, decimals, percents, proportions, signed numbers, and the solving of simple linear equations. Required of students whose placement exam indicates a low level of proficiency in simple arithmetic skills.</td>
</tr>
<tr>
<td>Basic Mathematics II</td>
<td>MAT 011</td>
<td>MAT 010 or MAT 012, if needed</td>
</tr>
<tr>
<td>0 cr. 3 hrs.</td>
<td></td>
<td>This is a course in arithmetic skills and the rudiments of algebra. Topics covered include: whole numbers, fractions, decimals, percents, proportions, signed numbers, and the solving of simple linear equations. Required of students whose placement exam indicates a marginal level of proficiency in simple arithmetic skills. If a student passes MAT 010, the student should not register for MAT 011 since it is the same material as MAT 010, but at a faster pace.</td>
</tr>
<tr>
<td>Basic Arithmetic and Algebra</td>
<td>MAT 012</td>
<td>MAT 010 or MAT 051, if needed</td>
</tr>
<tr>
<td>0 cr. 6 hrs.</td>
<td></td>
<td>This course is a combination of arithmetic and elementary algebra. It includes the arithmetic of integers, fractions, decimals, and percent. In addition, such topics as signed numbers, algebraic representation, operations with polynomials, factoring, the solution of simultaneous linear equations of two variables, and graphing are covered.</td>
</tr>
<tr>
<td>Elementary Algebra</td>
<td>MAT 051</td>
<td>MAT 010 or MAT 011, if needed</td>
</tr>
<tr>
<td>0 cr. 4 hrs.</td>
<td></td>
<td>This course is the first algebra course offered at the college. It includes such topics as algebraic representation, signed numbers, operations with polynomials, factoring, the solution of linear equations, the coordinate system, the solution of simultaneous linear equations of two variables, and graphing. This course is designed to prepare students for the CUNY Freshman Skills Assessment Test required for transfer to the upper division of CUNY, as well as for more advanced math courses. If a student passes MAT 012, the student should not register for MAT 051, since MAT 012 combines MAT 011 and MAT 051.</td>
</tr>
<tr>
<td>Intermediate Algebra and Trigonometry</td>
<td>MAT 056</td>
<td>MAT 051 or MAT 012, if needed</td>
</tr>
<tr>
<td>0 crs. 6 hrs.</td>
<td></td>
<td>This course is the second algebra course offered at the college. It is open to students who have completed elementary algebra or its equivalent. It includes such topics as: factoring, solutions of linear and quadratic equations, trigonometric relationships, exponents, logarithms, and the graphs of quadratic equations. Prerequisite: MAT 051 or MAT 012, if needed</td>
</tr>
<tr>
<td>Fundamentals of Mathematics I</td>
<td>MAT 100</td>
<td>MAT 012 or MAT 051, if needed</td>
</tr>
<tr>
<td>4 crs. 4 hrs.</td>
<td></td>
<td>This course includes the study of several mathematical systems. The role of mathematics in modern culture, the role of postulational thinking in all of mathematics, and the scientific method are discussed. The course considers topics such as: the nature of axioms, truth and validity; the concept of number; the concept of set; scales of notation; and groups and fields. Prerequisite: MAT 012 or MAT 051, if needed</td>
</tr>
<tr>
<td>Mathematics for Health Sciences</td>
<td>MAT 104</td>
<td>MAT 012 or MAT 051, if needed</td>
</tr>
<tr>
<td>3 crs. 3 hrs.</td>
<td></td>
<td>This course covers computations and measurements essential in the health science professional fields. Topics include: units and measurements, ratios, solutions, and dosages. Prerequisite: MAT 012 or MAT 051, if needed.</td>
</tr>
<tr>
<td>Mathematics for Respiratory Therapy</td>
<td>MAT 109</td>
<td>MAT 012 or MAT 051, if needed</td>
</tr>
<tr>
<td>3 crs. 3 hrs.</td>
<td></td>
<td>This course covers topics in intermediate algebra and emphasizes problems and applications in respiratory therapy. It includes such topics as: algebraic representation, factoring, approximate numbers, significant digits and scientific notation, first and second degree equations with applications, ratio and proportions, square roots, radicals and exponents, logarithms, graphing linear equations, vectors, and the metric system. Prerequisite: MAT 012 or MAT 051, if needed.</td>
</tr>
</tbody>
</table>
Course Descriptions

MATHEMATICS

Explorations in Scientific Mathematical Research (Same as SCI 111) MAT 111
3 hrs. 4 hrs.
This course will introduce the processes involved in research. Students will be designing and performing experiments and analyzing the results. Objectives are to understand the scientific method, interpret statistics, and appreciate mathematical research. Computers will be used for statistics, graphing, pattern recognition, and word processing. Recommended for mathematics- and science-oriented liberal arts students as a liberal arts elective. Not open to Science or Engineering Science majors.
Prerequisite: One year of college science

Modern Applied Mathematics MAT 125
4 hrs. 4 lecture hrs.
This course is a survey of modern mathematics and its applications developed after the 18th century. The emphasis is on using mathematics to model the political, economic and aesthetic aspects of modern day society. Topics include graph theory, linear programming, game theory, number theory, and mathematical growth and patterns.

Introduction to Statistics MAT 150
4 hrs. 4 hrs.
This course covers basic statistics, including: measures of central tendency, measures of dispersion, graphs, correlation, the regression line, confidence intervals, the significance of differences, and hypothesis testing, including z-tests, t-tests, and chi-square tests.
Prerequisite: MAT 012 or MAT 051, if needed

Introduction to Discrete Mathematics MAT 200
4 hrs. 4 hrs.
This course covers fundamental mathematical topics associated with computer information systems, including: numeration systems; sets and logic; Boolean algebra, functions, and elementary switching theory; combinatorics; mathematical induction; permutations; combinations; binomial coefficients; and distributions.
Prerequisite: MAT 012 or MAT 051, if needed; also MAT 056.
This course will satisfy the math requirement for students in Business Administration, Computer Operations, Computer Programming, Computer Science or Accounting. Prerequisites to this course should be taken in the first semester or as early as possible.

Fundamentals of Mathematics II MAT 202
3 hrs. 3 hrs.
This course covers an axiomatic approach to mathematical structures and number systems. Topics include: functions, relations, operations, and the real number system.
Prerequisite: MAT 100

Mathematical Foundations for Calculus MAT 206
4 hrs. 4 hrs.
This course covers basic algebraic and trigonometric skills, algebraic equations, and functions. Topics include: mathematical induction, complex numbers, and the binomial theorem.
Prerequisites: MAT 012 or MAT 051, if needed; also MAT 056.
Consult the department chairperson if you are in doubt about prerequisites. Recommended for mathematics- and science-oriented Liberal Arts students.

Mathematical Problem Solving MAT 208
2 hrs. 2 hrs.
This is a Liberal Arts elective course. It will focus on the general steps in the problem-solving process and the use of problem-solving strategies espoused by Polya. Problems will include non-routine exercises taken from mathematics journals and competitions, and famous problems from the history of mathematics.
Prerequisites: MAT 012 or MAT 051, if needed; also MAT 056

Statistics MAT 209
4 hrs. 4 hrs.
This course covers statistical concepts and techniques with applications. Topics include probability, random variables, the binomial distribution, the hyper-geometric distribution, measures of central tendency, the normal distribution, precision and confidence intervals, sample design and computer projects.
Prerequisite: MAT 206
Course Descriptions

MATHEMATICS

Mathematics for Elementary Education I  MAT 214
4 crs. 4 hrs.
This course covers the first half of the mathematics recommended by the National Council of Teachers of Mathematics (NCTM) for prospective elementary school teachers, including problem solving, sets, logic, numeration, computation, integers, rational and real numbers, and number theory. This course meets the mathematics requirement only for students in the ECE program. Students who have taken MAT 100 may not receive credit for this course.
Prerequisite: MAT 056, if needed

Mathematics for Elementary Education II  MAT 216
4 crs. 4 hrs.
This course covers the second half of the mathematics recommended by NCTM for prospective elementary school teachers, including probability, statistics, plane and transformational geometry, congruence, and similarity. This course meets the mathematics requirements only for students in the ECE program. Students who have taken MAT 150 may not receive credit for this course.
Prerequisite: MAT 214

Analytic Geometry and Calculus I  MAT 301
4 crs. 6 hrs.
This is an integrated course in analytic geometry and calculus, applied to functions of a single variable. It covers a study of rectangular coordinates in the plane, equations of conic sections, functions, limits, continuity, related rates, differentiation of algebraic and transcendental functions, Rolle’s Theorem, the Mean Value Theorem, maxima and minima, and integration.
Prerequisite: MAT 206.
Recommended for mathematics–and science–oriented Liberal Arts students

Analytic Geometry and Calculus II  MAT 302
4 crs. 6 hrs.
This course provides an introduction to the concepts of formal integration. It covers the differentiation and integration of algebraic, trigonometric, and transcendental functions. Topics include the definite integral, the antiderivative, areas, volumes, and the improper integral.
Prerequisite: MAT 301.
Recommended for mathematics–and science–oriented Liberal Arts students

Analytic Geometry and Calculus III  MAT 303
4 crs. 6 hrs.
This course is an extension of the concepts of differentiation and integration to functions of two or more variables. Topics include partial differentiation, multiple integration, Taylor series, polar coordinates and the calculus of vectors in one or two dimensions.
Prerequisite: MAT 302.
Recommended for mathematics–and science–oriented Liberal Arts students

Linear Algebra  MAT 315
3 crs. 3 hrs.
This course covers matrices, determinants, systems of linear equations, vector spaces, eigenvalues and eigenvectors, Boolean algebra, switching circuits, Boolean functions, minimal forms, Karnaugh maps.
Prerequisite: MAT 302, or permission of the department

Abstract Algebra  MAT 320
3 crs. 3 hrs.
This course covers the standard material comprising an introduction to group and ring theory: set theory and mappings; groups, normal subgroups, and quotient groups; Sylow’s Theorem; rings, ideals, and quotient rings, Euclidean rings, polynomial rings.
Prerequisite: MAT 315 or the equivalent

Finite Mathematics  MAT 402
4 crs. 4 hrs.
This course covers compound statements, sets and subsets, partitions and counting, probability theory, vectors, matrices, and linear programming.
Prerequisites: MAT 012 or MAT 051, if needed; also MAT 056.

Ordinary Differential Equations  MAT 501
3 crs. 3 hrs.
This is a first course in the theoretical and applied aspects of ordinary differential equations. Topics include: first–order equations, exact equations, linear
equations, series solutions, Laplace transforms, Fourier series, and boundary value problems.

Prerequisite: MAT 302

History of Mathematics

MAT 505
3 crs. 3 hrs.
The course follows the growth of mathematics from its empirical nature in Egypt and Babylonia to its deductive character in ancient Greece wherein the roots of the calculus will be identified. The concept of number and the development of algebra, with Hindu, Arabic, and medieval contributions are discussed. The rise of analytic geometry, the calculus, and the function concept are examined. Finally, the trend towards greater rigor and abstraction is considered including formal axiomatic systems and Godel’s Incompleteness Theorem.

Prerequisite: MAT 302

Advanced Calculus I

MAT 601
3 crs. 3 hrs.
The course presents the logical structure on which the foundations of the calculus have been based: construction of the real number system, mathematical induction, limits and continuity in precise formulation, functions of several variables, point sets in higher dimensions; uniform continuity, and elements of partial differentiation.

Prerequisite: MAT 303 or departmental approval

MODERN LANGUAGES
Room N540, Telephone: (212) 346-8680
The Modern Language Department is an integral part of the Liberal Arts curriculum. Its principal objectives are to develop fluency in the written and spoken language and to familiarize students with foreign literature and culture. All courses are given in the foreign language unless otherwise specified. A language laboratory with the latest equipment provides students with additional practice. The language laboratory is an essential part of all language classes.

In the Liberal Arts, Early Childhood Education, Human Services and Science Programs two semesters of the same foreign language are required. In the Business Administration program, it is a Liberal Arts elective option. Native speakers of the language in question and students who have studied a language in high school should go to the Modern Language Department for placement. Students are required to take two consecutive courses from 101 to 210 and thereafter in any order. No credit will be given for a literature course unless the student has taken 200 and 210 or the student has passed a written test for the 210 level. Courses may also be taken to satisfy the Liberal Arts elective requirement.

Chairperson: Fay Rogg
Deputy Chairperson: Emilia E. Borsi
Professors: Emilia E. Borsi, Fay Rogg
Associate Professors: Peter Consenstein, Rafael Corbalán, Alejandro Varde, Carol Wasserman
Assistant Professors: Noelle Carruggi, Nidia Pulles-Linares, Oneida Sanchez, Francisca Suarez-Coailla
Instructor: Eda Henao
Senior Laboratory Technician: Luis-Alfredo Cartagena
College Laboratory Technician: Emanuel Fode, Melanie Weyland
Adjunct Faculty: There are approximately 30 adjuncts in the department.

CHINESE

Chinese I

CHI 101
4 crs. 4 hrs. 1 lab hr.
This course is for students who have no previous background in Modern Chinese (Mandarin). The pronunciation is that of Peking. Skills in comprehension, reading, and writing are developed, but emphasis is on speaking.

Chinese II

CHI 102
4 crs. 4 hrs. 1 lab hr.
This is the continuation of the study of Chinese, developing and strengthening skills in comprehension, speaking, reading, and writing. The pronunciation taught is that of Peking. Emphasis is on speaking.

Prerequisite: CHI 101 or departmental approval

Chinese III

CHI 200
3 crs. 3 lecture, 1 lab hr.
This course includes a review of grammar plus the study of Chinese civilization and selected readings in Chinese literature. Self-expression through oral and written reports is emphasized.

Prerequisite: CHI 102 or departmental approval
MODERN LANGUAGES

FRENCH

French I  FRN 101
4 crs. 4 hrs. 1 lab hr.
This is a course for students who have had no previous
background in French. Grammar is taught inductively
and simple texts are read. Speaking, reading, and writing
are emphasized.

French II  FRN 102
4 crs. 4 hrs. 1 lab hr.
In this continuation of French I, grammar, composition,
and oral comprehension of simple literary texts are
developed supplemented by readings and analysis of
French texts.
Prerequisite: FRN 101 or departmental approval

Basic Conversational French  FRN 150
3 crs. 3 hrs. 1 lab hr.
This course for non-native students having mastered two
semesters of French is designed to build confidence and
competence in conversing in French.
Prerequisite: FRN 102 or departmental approval

French III  FRN 200
3 crs. 3 hrs. 1 lab hr.
This course includes a review of grammar plus the study
of French civilization and selected readings in French
literature.
Prerequisite: FRN 102 or departmental approval

French IV  FRN 210
3 crs. 3 hrs. 1 lab hr.
While reviewing advanced grammar, students are trained
in literary analysis through the works of modern French
authors.
Prerequisite: FRN 200 or departmental approval

Advanced French Conversation  FRN 310
3 crs. 3 hrs.
This course involves intensive oral work consisting of
discussions in French based on literary texts of the 20th
century with drills in pronunciation, intonation and
rhythm. Intensive use is made of the language laboratory.
Prerequisite: FRN 200 or departmental approval

Francophone Literature  FRN 400
3 crs. 3 hrs.
This course explores literature written in French from
countries outside of France. Works from French Canada,
the Caribbean islands (Guadeloupe, Martinique, and
Haiti) as well as North and West Africa will be included.
Themes highlighting cultural and social differences with
France will be discussed. Readings, written work, and
oral reports will be in French.
Prerequisite: FRN 210 or departmental approval

French V: Survey of French
Literature I  FRN 430
3 crs. 3 hrs.
The chronological evolution of French literature and its
relation to French culture and ideas are studied. Major
works by representative authors from the 17th century are
read and discussed with emphasis on ideas and style.
Included are selections from Corneille, Moliere, Racine,
la Fontaine, Bossuet, Fenelon, Fontenelle, and Marivaux
(introduction to early 18th century trends and post-
revolution changes in classical literature). Written and
oral reports are required.
Prerequisite: FRN 210 or departmental approval

French VI: Survey of French
Literature II  FRN 435
3 crs. 3 hrs.
This course concentrates on the literature of the
Enlightenment and the 19th century as reflected in the
works of Voltaire, Rousseau, Montesquieu, Balzac,
Flaubert, Stendhal and the Romantic and Symbolist
poets. Written and oral reports are required. This course
may be taken before French V.
Prerequisite: FRN 210 or departmental approval

French VII: 20th-Century
French Literature  FRN 440
3 crs. 3 hrs.
In this study of the major writers and literary movements
(surrealism, avant-garde, existentialism) of the 20th
century, emphasis is placed on novelists like Proust,
Mauriac, and Camus; playwrights such as Claudel,
Giraudoux, Sartre, Anouilh, Ionesco, and Beckett; and
the poets Valery, Eliard and Aragon. Written and oral
reports are required. This course may be taken before
French V and French VI.
Prerequisite: FRN 210 or departmental approval
Course Descriptions

MODERN LANGUAGES

Advanced French Grammar and Composition  FRN 455
(Commercial French I)
3 crs. 3 hrs.
The course reviews grammar and syntax and includes advanced translation and composition, with emphasis on building essential business vocabulary and idioms, basic writing styles, and speech structures most frequently used in French correspondence and office communications. This course is open to Business, Liberal Arts and Office Administration students.
Prerequisite: Functional knowledge of French, FRN 200, or departmental approval

Advanced French Grammar and Composition  FRN 456
(Commercial French II)
3 crs. 3 hrs.
The objective of this course is to increase the ability to communicate both orally and in writing in more complex business situations. Emphasis is placed on writing commercial letters and on intensive oral practice of related speech structures.
Prerequisite: FRN 455 or departmental approval

Existentialism in French Literature  FRN 460
3 crs. 3 hrs.
The course brings to life the essentials of existentialist philosophy in plays and novels of French authors such as Sartre and Camus, with modern insights into the age-old question of free choice and predestination, the relevancy or irrelevancy of God, commitment or alienation, and the meaning or the absurdity of life. Readings are in French; class discussions and written work in English/French.
Prerequisite: FRN 200 or departmental approval

The Individual and Society in 19th Century French Literature  FRN 461
3 crs. 3 hrs.
Based on works by Chateaubriand, Stendhal, Balzac, and Zola, this course analyzes the relationship between the individual and society undergoing critical changes. Special attention is given to the problem of the Romantic ego in a materialistic society and the coming of age of a new “hero” emerging from the Industrial Revolution. Readings are in French; discussion and written work in English or French.
Prerequisite: FRN 200 or departmental approval

History of French Drama and Theater  FRN 462
3 crs. 3 hrs.
This is a history survey of the theories of French Theater evolved from the Greek Tragedy through medieval, classical Romantic, Realistic, Symbolist and Surrealist theater up to Avant-garde Theater and the Theater of the Absurd. Readings are in French, discussion in English.
Prerequisite: FRN 200 or departmental approval

Modern French Civilization  FRN 470
3 crs. 3 hrs.
The main aspects of French life and culture as expressed in social, intellectual, and philosophical history are studied in this course. Emphasis is given to the geographic situation, economic, and social changes; the main trends of thought in French tradition, and their impact on modern France. Readings are in French, discussion in English and French.
Prerequisite: FRN 200 or departmental approval

GERMAN

German I  GER 101
4 crs. 4 hrs. 1 lab hr.
This is a course for students who have had no previous background in German. Grammar is taught inductively and simple texts are read. Skills in comprehension, speaking, reading, and writing are developed.

German II  GER 102
4 crs. 4 hrs. 1 lab hr.
In this continuation of German I, grammar, composition, conversation, reading and analysis of simple literary texts are covered.
Prerequisite: GER 101 or departmental approval

ITALIAN

Italian I  ITL 101
4 crs. 4 hrs. 1 lab hr.
This course is for students who have had no previous background in Italian. Grammar is taught inductively and simple texts are read. Skills in comprehension, speaking, reading, and writing are developed.

Italian II  ITL 102
4 crs. 4 hrs. 1 lab hr.
In this continuation of Italian I, grammar, composition, conversation, and reading of Italian texts are covered.
Prerequisite: ITL 101 or departmental approval
MODERN LANGUAGES

Literature, Culture and Civilization of Italy
3 crs. 3 hrs.
This Liberal Arts Elective is an introduction to the evolution and development of Italian culture and civilization through the literary and artistic features, geared to the understanding of present day problems of modern European Italy and the Italian-American people. Readings are in English, and term papers are in English.

Italian III
3 crs. 3 hrs. 1 lab hr.
Study in this course includes a review of grammar and of composition. Modern prose is read, discussed, and analyzed.
Prerequisite: ITL 102 or departmental approval

SPANISH

Spanish I
4 hrs. 4 cr. 1 lab hr.
This course is for students who have had no previous background in Spanish. Grammar is taught inductively and simple texts are read. Speaking, reading and writing are emphasized. Students who have taken SPN 103 will not receive credit for this course.

Spanish II
4 hrs. 4 crs. 1 lab hr.
In this continuation of Spanish I, grammar, composition and oral comprehension are developed and supplemented by readings or Spanish texts. Students who have taken SPN 103 will not receive credit for this course.
Prerequisite: SPN 101 or departmental approval

 Elementary Spanish for Speakers of Spanish
4 hrs. 4 lecture, 1 lab hr.
This is an elementary Spanish course for students who can speak Spanish but have no formal training in the language. Students who have taken SPN 101 and/or SPN 102 will not receive credit for this course.
Prerequisite: Knowledge of spoken Spanish and departmental approval

 Spanish Conversation
2 hrs. 2 hrs. 1 lab hr.
Designed primarily for Health/Medical area students, this course emphasizes the practice of conversation based on medical terminology and useful expressions and idioms. Classes will be assigned according to the student's background in Spanish. Use is made of the language laboratory.

Basic Spanish Conversation
3 crs. 3 hrs. 1 lab hr.
This course for non-native speaking students may follow the two semester sequence in Spanish. It is designed to build confidence and competence in conversing in Spanish.
Prerequisite: SPN 102 or departmental approval

Spanish III
3 crs. 3 hrs. 1 lab hr.
Study in this course includes a review of grammar and reading plus discussion of selected works by modern authors. Self-expression through oral and written reports is emphasized.
Prerequisite: SPN 102 or departmental approval

Spanish IV
3 crs. 3 hrs. 1 lab hr.
This intensive writing course emphasizes comprehension, writing, and analysis of contemporary and classical texts.
Prerequisite: SPN 200 or departmental approval

Latin American Women Writers
3 crs. 3 lecture hrs.
This course introduces students to a representative sampling of Latin American women writers from the colonial period to the twentieth century. The course will disseminate a body of literature, which is represented minimally in Hispanic literature courses. Feminism, machismo, motherhood, sexual and political activism and the role of women as writers are some of the issues that will be explored and discussed during the semester.
Prerequisite: SPN 210 or placement by Modern Languages department

Spanish V: Survey of Spanish Literature I
3 crs. 3 hrs.
A chronological study is made of Spanish literature against its cultural and ideological background. Major works by representative writers from the Middle Ages to the end of the Golden Age are read and analyzed. Readings include selections from the "Poema de Mio
Course Descriptions

MODERN LANGUAGES

Cid," Don Juan Manuel, Jorge Manrique, Fernando de Rojas, Cervantes, Quevedo, and Calderon de la Barca.
Written and oral reports are required.
Prerequisite: SPN 210 or departmental approval

Spanish VI: Survey of Spanish Literature II

SPN 435
3 hrs.
This course is a survey of the representative authors of the 18th and 19th centuries - Moratin, el Duque de Rivas, Larra, Becquer, Zorilla and Caldos - with emphasis on neo-classicism, romanticism, and realism in the novel, theater and poetry of the period. Reading and oral reports are required.
Prerequisite: SPN 210 or departmental approval

Spanish VII: 20th Century Spanish Literature

SPN 440
3 hrs.
The major authors and literary movements of the 20th century in Spain are studied with emphasis on representative genres. Works of Unamuno, Ortega, Machado, Juan R. Jimenez, Salinas, Garcia Lorca, Cela, and others are analyzed. Written and oral reports are required.
Prerequisite: SPN 210 or departmental approval

Spanish VIII: Survey of Spanish-American Literature

SPN 445
3 hrs.
This course involves a chronological history of Spanish-American literature from the Colonial period to the 19th century. Readings include selections from el Inca Garcilaso, Sor Juana Ines de la Cruz, Sarmiento, Jose Hernandez, Palma, Marti, Dario, and others. Written and oral reports are required.
Prerequisite: SPN 210 or departmental approval

Spanish IX: 20th Century Spanish-American Literature

SPN 450
3 hrs.
The major authors and literary movements of the late 19th and 20th centuries are studied. Works of Quiroga, Reyes, Neruda, Vallejo, Carpenier, Borges, Rulfo, Fuentes, Marques, and others are analyzed. Written and oral reports are required.
Prerequisite: SPN 210 or departmental approval

Advanced Spanish Composition and Grammar I (Commercial Spanish I)

SPN 455
3 hrs.
Designed primarily for Office Administration students, this course develops linguistic skills related to writing business letters and legal documents. The first term covers technical vocabulary and mastery of the language through review of grammar. Open to all students.
Prerequisite: SPN 210 or departmental approval

Advanced Spanish Composition and Grammar II (Commercial Spanish II)

SPN 456
3 hrs.
A continuation of SPN 455, this course provides intensive practice in linguistic skills involving business letters and legal documents which can be of special value for Office Administration bilingual students. Stress is placed on composition. Open to all students.
Prerequisite: SPN 455 or departmental approval

Literature and Civilization of the Spanish-American

SPN 470
3 hrs.
The evolution of Spanish-American civilization is studied through literature to enhance understanding of present-day problems and potentialities. Emphasis falls on the relevance of the topography of the regions, the Spanish conquest and colonization, conflicts among cultures and religions of the indigenous peoples: Hispanic settlers, Africans, and recent immigrants; oral and written transmissions of traditions; the struggle for independence; movements for political, social, and economic reforms; the cultural obstacles, the emergence of linguistic distinctiveness and the quest for self-realization are studied. Readings are in Spanish, discussions are in English or Spanish.
Prerequisite: SPN 210 or departmental approval

Literature, Culture and Civilization of the Greater Antilles

SPN 472
3 hrs.
This course is a survey of the literature, culture and civilization of the Greater Antilles (Cuba, Puerto Rico, Santo Domingo, Haiti and, Jamaica) geared to the understanding of their heritage as it is preserved by their languages and their artistic achievements. Readings are
Course Descriptions

MODERN LANGUAGES • MUSIC AND ART

mainly in English; class discussions are in English, Spanish, and any other modern language.

Prerequisite: SPN 210 equivalent and/or departmental approval

Hispanic Heritage

SPN 476
3 crs. 3 hrs.
This is a study abroad course in which students will enhance their language skills and knowledge of a foreign culture through class meetings, seminars, and on-site visits to places of historic and cultural importance. They will be immersed in the language of the country and attend language and literature courses.
Prerequisite: SPN 102 or departmental approval

Spanish and Latin American

Texts into Films

SPN 480
3 crs. 4 hrs.
This course will introduce students to film adaptations of Spanish and Latin American novels, short stories, diaries and theater plays in the context of the literary and film debate: how does film "translate" text? Should the film be "faithful" to the text? If so, faithful to what aspects, plot dialogue, chronology, social and psychological and socioeconomic backgrounds will be included. Special attention will be given to the study of nationality, gender and sexual differences within Spanish and Latin American societies. Students will examine the connections between text and film, as well as the fundamentals of written and visual identification with the cinematographic and audio apparatus.
Prerequisite: SPN 210 or departmental approval

MUSIC AND ART

Room S115, Telephone: (212) 346-8160

Courses in music and art are designed to provide a broad exposure to the fine and performing arts, art history and music literature. Students develop an awareness of the beauty of music and art and their meanings. They also learn to enjoy and participate as spectators and viewers or as trained amateurs and professionals. Two credits of art or music are required of most matriculated students. For this requirement students may choose any of the courses offered in the Music and Art Department.

Chairperson: Douglas K. Anderson
Deputy Chairpersons: Ann Hjelle, Peter Hollerbach

Anthony J. Sorce, Rochelle Weinstein, Laurence Wilson,
Associate Professor: Betty Copeland
Assistant Professors: Ann Hjelle, Peter Hollerbach
College Laboratory Technician: Lyubov Shumova
Adjunct Faculty: There are approximately 25 adjuncts in the department.

MUSIC

Fundamentals of Music

MUS 101
1 cr. 2 hrs.
This is a preparatory course in rudiments designed for the layman. A study of notation, rhythm, scales and keys, intervals, and chord structures.

Basic Music

MUS 105
3 crs. 3 lecture hrs.
This is an introductory level class for the music major, the education major, or the layperson. Students will learn to read music, play a keyboard instrument, sight-sing and take dictation. This course is not open to students who have completed MUS 101, MUS 113 or MUS 140.

Music I: Introduction to Music

MUS 110
2 crs. 2 hrs.
The ability to listen to music intelligently and to recognize specific styles, forms, and idioms are developed in this course. Consideration is given to musical aspects of the historical eras from the early Christian period to the present. Students are required to attend concerts and do assigned reading and listening.

Music Theory I: Fundamentals of Music Theory

MUS 112
2 crs. 3 hrs.
This course is an introduction to essentials in four voice part-writing, voice leading, composing a given bass line to a given soprano, and harmonizing a given soprano in 17th and 18th century chorale style. There will be some analysis of Bach chorales.
Prerequisite: MUS 101 or departmental approval

Musicianship I

MUS 113
1 cr. 2 hrs. (per term)
Sight singing, ear training, rhythmic reading, and dictation are coordinated with MUS 112 and MUS 212.
Prerequisite: MUS 101 or departmental approval
Music and Physical Movement  
MUS 115  
2 crs. 2 hrs.  
This course is designed to introduce students to the relationships between music and physical movement, with special emphasis being placed on rhythm as it relates to music and movement in dance. In addition, the study of rhythmic notation, musical forms, and the preparation of original rhythmic scores are included.

Woodwind Class  
MUS 120  
1 cr. 2 hrs.  
Students learn to play the clarinet or other woodwind instruments. Attention is given to methods of group instruction used in the public schools.

Strings  
MUS 125  
1 cr. 2 lab hrs.  
Students learn to play violin or other stringed instruments. Attention is given to methods of group instruction used in the public schools.

Brasswind Class  
MUS 130  
1 cr. 2 hrs.  
Students learn to play a brass instrument. Attention is given to methods of group instruction used in the public schools.

Percussion  
MUS 135  
1 cr. 2 lab hrs.  
Students learn to play percussion instruments. Attention is given to methods of group instruction used in the public schools.

Piano Class I  
Piano Class II  
MUS 140  
MUS 150  
1 cr. 2 hrs. (per term)  
Designed for study of the piano as secondary instrument, the course includes acquaintance with the keyboard, scales, chords, sight reading, transposition, and elementary piano repertoire.

Voice Class I  
MUS 160  
1 cr. 2 hrs. (per term)  
This course introduces voice students to the basic principles of voice production and prepares prospective teachers for proper handling of young voices. The fundamentals of correct voice production are studied, including breathing, breath control, and elementary study of vowel sounds and consonants. Elementary songs, poise, posture and stage presence are presented from the point of view of the student's own voice to prepare him/her to teach voice classes.

Guitar Class I  
MUS 180  
1 cr. 2 hrs. (per term)  
The first term teaches students to play folk songs in the keys of C and G major. In the second term, strums, rhythms, and fundamental chords in all keys are presented. The course includes modern choral accompaniments for simple popular, rock, and jazz songs played in classroom, camp and playground settings. Students must supply their own instruments.

Music Theory II:  
Elementary Harmony  
MUS 212  
2 crs. 3 hrs.  
This is a course in part-writing, using triads and diatonic seventh chords, with inversions and non-harmonic tones. The course includes study of short musical forms, analysis, and composition of short examples. 
Prerequisite: MUS 112

Music in World Culture  
MUS 220  
2 crs. 2 hrs.  
The course is designed to encourage critical listening by bringing the student into direct contact with music of Western and non-Western cultures. It stresses the elements of music—rhythm, melody, harmony, texture, tone, color—by studying and analyzing their juxtapositions, and their total effect on musical forms and styles of the world. Musical illustrations are analyzed not only in musical terms but in relation to important historical, geographical, and ethnological factors.

African-American Music  
MUS 230  
2 crs. 2 hrs.  
This course covers the history of Black music in the United States from slavery to present, including a thorough investigation of African backgrounds of the music of slavery, the blues, jazz, gospel, rhythm and blues, as well as Black music in Western art forms. Extensive listening and attendance at live musical performances are required.
Music and Art

Piano Class III
MUS 240
Piano Class IV
MUS 250
1 cr. 2 hrs. (per term)
Continuation of MUS 140 and MUS 150.

Jazz Performance Workshop I
MUS 301
Jazz Performance Workshop II
MUS 302
1 cr. 2 hrs. (per term)
This course is designed to familiarize the student,
through performance, with small group and big band jazz
techniques. These include improvisational concepts,
chord progressions, interpretation, conception,
phrasing, harmonic awareness, dynamic sensitivity,
rhythmic and melodic development, and phrase
construction.

Jazz Performance Workshop III
MUS 303
Jazz Performance Workshop IV
MUS 304
1 cr. 2 hrs. (per term)
Continuation of MUS 301 and MUS 302.

Orchestral Performance I
MUS 305
Orchestral Performance II
MUS 306
1 cr. 3 hrs. (per term)
The course includes the study, preparation, and
performance of representative works of the standard,
contemporary, and musical theater orchestral literature.

Orchestral Performance III
MUS 307
Orchestral Performance IV
MUS 308
1 cr. 3 hrs. (per term)
Continuation of MUS 305 and MUS 306.

Music Theory III: Advanced Harmony
MUS 312
Music Theory IV: Advanced Harmony
MUS 412
2 crs. 3 hrs. (per term)
Chromatic harmony, including altered chords, secondary
dominant, the dominant ninth and dominant
thirteenth, modulation, analysis and short original
compositions are studied.

Musicianship III
MUS 313
Musicianship IV
MUS 413
1 cr. 2 hrs. (per term)
Continuation of MUS 113 and MUS 213.

Arranging I
MUS 351
2 crs. 2 hrs. (per term)
Beginning with fundamentals and continuing through
large ensemble arranging, the course includes composing
for various ensemble combinations. Contemporary

techniques such as those of Stockhausen, Ornette
Coleman, Penderecki, Persichetti, etc., are explored.
Prerequisite: MUS 212 or departmental approval

Arranging II
MUS 352
2 crs. 2 hrs.
Continuation of MUS 351.

Chorus I
MUS 410
Chorus II
MUS 420
1 cr. 2 hrs. (per term)
Students are involved in the performance of standard
and contemporary choral literature for mixed voices. In
addition to choral training, the course includes
performances at concerts, college ceremonies and
functions.

Chorus III
MUS 430
Chorus IV
MUS 440
1 cr. 2 hrs. (per term)
Continuation of MUS 410 and MUS 420.

Instrumental Ensemble I
MUS 510
Instrumental Ensemble II
MUS 520
1 cr. 2 hrs. (per term)
The instrumental ensemble is designed to develop the
performance capability and technique of students who
play a musical instrument. The repertoire is selected for
both personal development and for public performances
at college functions and concerts.

Instrumental Ensemble III
MUS 530
Instrumental Ensemble IV
MUS 540
1 cr. 2 hrs. (per term)
Continuation of MUS 510 and MUS 520.

Private Instruction
MUS 611-648
1 cr. each 1/2 hr.
Beginning with scales and arpeggios, this is a study of
standard repertoire with emphasis on stylistic
interpretation. In addition the student develops sight-
reading skills. Entry into private instruction must be
approved by the chairperson following an audition.

Puerto Rican Music
MUS 881
2 crs. 2 hrs.
Same as LAT 141 (for description, see p. 59)
ART
Color and Design ART 105
2 crs. 4 hrs.
This course introduces students to basic color and compositional theories. Problems will be derived from these theories to give students a sound grasp of the use of color and design. In addition to being introduced to color compositional theories, students will become involved with color problems which demand the creative application of the principles of organization.

Art Survey I ART 110
2 crs. 2 hrs.
This introduction to art principles and terms includes the study of the plastic arts: nature, content, and form. The meaning of illusion and abstraction, style and the changing concept of reality in art throughout history are explored. Selected paintings, sculpture, and architecture are examined.

Life Drawing ART 164
2 crs. 2 hrs.
Students are introduced to various drawing media and techniques. Rendering problems dealing with gesture, action, proportion, form and anatomical structure are pursued. Charcoal, pencil, conte crayon, ink and wash, marking pen and various papers (cold and hot press, rice, newsprint, and prepared surfaces) are used. Selected readings and attendance at drawing shows in museums and galleries are required.
Prerequisite: Art 301 or departmental approval

Introduction to Painting ART 171
2 crs. 2 hrs.
This course is designed to have the beginning student explore painting techniques, with an introduction to the use of various media. Strong emphasis is placed on formal concerns (figure and object).

Introduction to Sculpture ART 181
2 crs. 2 hrs.
During this course, the special relationship between cultural and architectural form is discussed. Clay, wire, plaster, stone, metals, plastics, and mixed media are used in construction as a means of expression and in solving design problems.

Typography ART 206
2 crs. 2 hrs.
This course will deal with fundamental letter and type forms. A study of basic categories and individual characteristics of letter styles will be made. Procedures to develop skill in rendering through the use of pencil, pen and brush will be among the studio problems. Design problems using type as an element will also be presented.

Modern Art ART 210
2 crs. 2 hrs.
An analysis is made by exploring the use of the visual elements in modern art. The major movements are discussed in relation to the individual artist's expression in terms of changing historical, social, and cultural periods.

Advertising Design I ART 214
2 crs. 2 hrs.
This course is an introduction to advertising, visual communication, layout, merchandising and research problems, letter forms, and typography. It is directed toward creative and imaginative problem solving. The student learns how to use thumbnail sketches, indication, and comprehensive layout for individual advertisements, as well as complete campaign planning for space, television media, and direct mail. Trademarks, letterheads, and packaging are also covered. The course provides a broad overview of advertising design.
Prerequisite: Art 105 or departmental approval

Survey of Non-Western Art ART 220
2 crs. 2 hrs.
This course is an introduction to and survey of art produced in Africa, India, Oceania, and Pre-Columbian North America (Indian). Basic modes of primitive art will be presented and assessed in historical relationship to cultures past and present.

Advertising Illustration I ART 224
2 crs. 2 hrs.
This course deals with examination and exploration of the advertising artist's tools and materials. The studio problems of illustrating, the effects of color, the elements of drawing and painting and the procedures of creating a finished concept of illustration in a variety of techniques for reproduction will be covered. Compositional problems dealing with singular and group
Course Descriptions

MUSIC AND ART

figures will be assigned. Black and white, one, two and full-color handling in line, tone and mass, waters, acrylics, dyes and other pigments will be among the practical studio problems, in addition to color films and paper and their proper uses.

Design I: Introduction to Painting and Drawing Techniques
ART 230
2 crs. 2 hrs.
For the beginning student, critical and artistic ability are developed by executing problems of two-dimensional design such as color relationships, composition, pattern, line, shape, and texture. Emphasis is placed on exploring aspects of design and techniques as they apply to the student's work.

Photography I
ART 234
2 crs. 2 hrs.
This course offers a basic introduction to technical, theoretical, and aesthetic aspects of photography. A 35mm camera in working condition is required.

Design II: Introduction to Basic Sculptural Problems
ART 240
2 crs. 2 hrs.
This course is concerned with three-dimensional design problems and is geared to the advanced student who wishes to expand his/her knowledge of formal problems concerned with mass, volume and shape in a variety of materials.
Prerequisite: ART 105 or ART 230

Art of the Far East
ART 250
2 crs. 2 hrs.
As an introduction of Far Eastern art, this course traces the evolution of art styles of the countries of Eastern Asia: India, South East Asia, Indonesia, Central Asia, China, Korea, and Japan. Art styles of these countries are discussed separately in chronological order, in relation to those of the other countries. This course encourages appreciation of Asian art by emphasizing the following: (1) analyzing the styles in relation to their historical and social context; (2) understanding the basic elements, techniques, and theories of forms of painting, sculpture, and architecture in comparison with those of Western art.

Painting I
ART 271
2 crs. 4 hrs.
This course is an intermediate study of painting techniques during which students work in mixed media. Strong emphasis is placed on formal concerns (figure and object).
Prerequisite: ART 171, or ART 230, or ART 105, or permission of department

Sculpture I
ART 281
2 crs. 4 hrs.
This course, geared toward individual study, is an extension of ART 181. The use of materials for specific creative expression of the sculptor: modeling, carving, and metal working are explored.
Prerequisite: ART 181 or departmental approval

Drawing I
ART 301
2 crs. 2 hrs.
This course covers basic drawing problems aimed at the achievement of manual skills in freehand drawing, drawing from objects from nature and conceptual drawings.

Drawing II
ART 302
2 crs. 2 hrs.
An extension of ART 301, this course places emphasis on the human figure, with concentrated attention on formal concerns of design and composition.
Prerequisite: ART 301 or departmental approval

Advertising Design II
ART 314
2 crs. 2 hrs.
This course focuses on advanced problems in advertising for print. The refinement of skills will be emphasized for making comprehensive layouts. Selected studio problems in space advertisement, annual reports, posters, book jackets, and record albums are presented.
Prerequisite: ART 214 or departmental approval

Advertising Illustration II
ART 324
2 crs. 2 hrs.
This is a continuation of Art 224.

Graphic Design I
ART 354
2 crs. 2 hrs.
This course deals with specific design problems through the development of ideas and the ability to communicate
them effectively. Corporate identification dealing both with the concept and realization of that concept through final presentation will include color, composition and structure, symbology, typography and production.

Painting II
2 crs. 4 hrs.
This course is geared toward individual study and the concerns of an advanced painting and drawing student.
Prerequisite: ART 271 or departmental approval

Sculpture II
2 crs. 4 hrs.
This course is geared toward individual study and the concerns of the advanced sculpture student.
Prerequisite: ART 281 or departmental approval

African Art
2 crs. 2 hrs.
Same as AFN 101 (for description, see p. 56)

African-American Art
(same as AFN 102)
ART 802
The aesthetic, cultural, and social contexts of African-American art are studied. Comparative studies of art created by Haitian and African-American artists are included in the course.

NURSING
Room S785, Telephone: (212) 346-8700
The Nursing Department offers a program leading to the Associate in Applied Science (A.A.S.) degree. Students are then eligible to take the New York State Licensure Examination for Registered Nursing (RN). Students may matriculate in a day or part-time evening/weekend sequence.

NOTE: Because of budgetary and Board of Trustees restrictions, only a limited number of highly qualified and motivated students are admitted into the BMCC Nursing Program. The College does not guarantee entry into the Program.

Chairperson: Barbara Tacinelli
Deputy Chairpersons: Sung Gwak, Elora Orcajada
Professors: Avor Cave, Barbara Tacinelli,
Associate Professor: Sung Gwak
Assistant Professors: Jacqueline Brandwein, Denise Brigati, Shirley Katwaroo, Norma Katz, Lois Lagerman,

Hyacinth Martin, Jacqueline Myrie, Elora Orcajada, Ida Rosario-Heber, Margie White
Instructors: Denise Johnson, Susan Spause
Pre-Clinical Coordinator: Jose Sierra
Adjunct Faculty: There are approximately 49 adjuncts in the department.

Nursing Process I: Fundamentals of Patient Care
NUR 112
8 crs. 4 hrs. 12 lab hrs.
This course is an introduction to the bio-psycho-social and cultural factors that influence the nursing care of any patient/client who needs minimum assistance in the maintenance of health. Concepts and principles are stressed in relation to the application of the nursing process to basic nursing care. Clinical experiences are provided in general hospitals and a nursing home.
Prerequisite: Completion of the Pre-Clinical sequence
Corequisites: BIO 426, PSY 400

Nursing Process II: Obstetrical and Psychiatric Nursing Care
NUR 211
8 crs. 4 hrs. 12 lab hrs.
This course is composed of a seven-week Maternal and Newborn Care component and a seven-week psychiatric Mental Health Nursing component. The Maternal and Newborn Care component focuses on the role of the nurse in the care of the child-bearing family during the antepartal, intrapartal, and the postpartal phases of the maternity cycle, as well as the immediate care of the normal newborn and premature infant. The Psychiatric Mental Health Nursing Component introduces the student to basic mental concepts, interventions in crisis and family violence, severe mental health disorders, and substance use disorders highlighting treatment for individuals and families within the community.
Prerequisites: NUR 112, BIO 426, PSY 400
Corequisites: BIO 420, ENG 201

Nursing Process III: Pediatric and Basic Medical-Surgical Nursing Care
NUR 313
8 crs. 4 hrs. 12 lab hrs.
This course is composed of a seven-week component in Nursing Care of Children and a seven-week component in Basic Medical-Surgical Nursing Care. The Pediatric Nursing component focuses on the child's physical, social, and emotional reaction to illness. the nurse's role
in providing support to the child and the members of his/her family during periods of stress. Emphasis is placed upon differences between each phase of growth and development trends in care and measures utilized to promote a healthy childhood and adolescence. The Basic Medical-Surgical Nursing component builds upon previous nursing knowledge and techniques already introduced. Major emphasis is placed upon common recurring health problems. Psycho-social nursing techniques are emphasized as they relate to the care of the client with selected health problems.

Prerequisites: NUR 211 and all previous prerequisites
Corequisite: SPE 100

Nursing Process IV:
Medical-Surgical Nursing NUR 411
8 crs. 4 hrs. 12 lab hrs.
This course is composed of a semester of medical-surgical nursing. It is a continuation of medical-surgical nursing introduced in NUR 313. There is emphasis on selected medical-surgical problems and students receive supervision of more advanced medical-surgical nursing skills in the hospital lab.

Prerequisites: NUR 313 and all previous prerequisites
Corequisite: NUR 415

Nursing Today and Tomorrow NUR 415
1 cr. 1 hr.
This course includes the discussion of the legal rights and responsibilities of the professional nurse, current trends in employment and education, as well as changes in nursing practices.

Restricted to students registered in NUR 411 (seniors).

NOTE: Nursing courses are sequential; Clinical Nursing cannot be completed in less than two (2) years. All students are required to take NLN Achievement Tests at the end of each semester. The fee is paid by the student.

Fourth semester students are also required to take a Comprehensive Achievement Test at the end of the semester. The fee is paid by the student. Failure to take NLN Achievement Tests and/or the Comprehensive Achievement Test as scheduled will result in a grade of "Incomplete" (INC).

OFFICE ADMINISTRATION
Room S653, Telephone: (212) 346-8491
The Office Administration Department prepares future and current office administrators, managers, secretaries and clerical support workers to meet the challenges of today and tomorrow’s rapidly changing workplace. Students majoring in Office Administration can acquire foundation and advanced skills in computer operations, keyboarding, business communications, word processing, desktop publishing, and more. The Department offers two programs which lead to an Associate in Applied Science (A.A.S.) degree. The Office Automation Program gives students a glimpse of the future. They obtain hands-on experience with the latest technology in text processing equipment, and learn effective strategies for managing the office of the future, today.

The Office Operations Program offers experienced professionals and entry-level office workers courses for developing competitive skills and confidence in meeting today’s new business demands. It is the right choice for students who want to learn the full range of skills and technology routinely used in careers in industry, law, government, and education. In addition, the department also offers a certificate program in Office Automation.

Chairperson: Charlotte M. Bishop
Deputy Chairperson: Barbara Ann Eason
Professors: Charlotte M. Bishop, Barbara Ann Eason,
Assistant Professor: Sue Kimbrough
Instructor: Francisca Campos
Lecturer: Carol Mack-Mickey
Senior College Laboratory Technician: Iona Samuels
College Laboratory Technicians: Monica Nunez, Jocelyn Samuel

Office Skills and Machine Transcription OFF 101
4 crs. 4 hrs.
Through the use of machine dictation equipment, the students will become proficient as machine transcribers. Emphasis is placed on the mechanics of correct transcribing skills. At registration students will be assigned a two-hour per week laboratory space in order to facilitate completion of production assignments.

Corequisite: OFF 110 or department approval
Superwrite
4 crs. 4 hrs.
This course is designed for students interested in a quick method of writing that is easy to learn, write and read. It provides students a brief alphabetic writing system which should result in a marketable and personal use (note taking) skill.

Keyboarding
OFF 110
2 crs. 2 hrs.
This course is designed to teach beginning students the fundamentals of keyboarding utilizing the touch typewriting approach. The course will emphasize the development of proper keyboarding techniques, speed, and accuracy. The keyboarding of basic business documents, such as letters and envelopes, inter-office memorandums, and tables will be taught. Speed requirements are 30 to 40 words per minute. At registration, students are assigned a two-hour per week laboratory space in order to facilitate completion of homework assignments.

NOTE: Not open to students who have completed SEC 110.

Computer Keyboarding
OFF 111
3 crs. 3 hrs.
This course is designed to teach beginning students the fundamentals of operating a computer keyboard using the touch approach. Proper techniques for learning the alphabetic, numeric, and symbol key locations will be taught. Emphasis will be given to one of the primary purposes of leaning to keyboard which is to input quickly and accurately personal business letters, reports, and tables in proper format. Speed requirements will be 20 to 30 words per minute for five minutes. At registration, students will be assigned a one-hour per week lab space in order to facilitate the completion of homework assignments.

Transcription Development II
OFF 202
2 crs. 2 hrs.
This course is a continuation of Transcription I with emphasis on mailable copy, timed production, and advanced business documents. At registration, students are assigned a two-hour per week laboratory space in order to facilitate completion of homework assignments.

Prerequisite: OFF 101

Formatting
OFF 210
2 crs. 2 hrs.
This course develops keyboard production skills and proper formatting techniques of documents. Letter styles, manuscripts, and advanced tabulation projects are taught. Speed development is stressed. Speed requirements will be 40 to 50 words per minute for five minutes. At registration, students will be assigned a two-hour per week laboratory space in order to facilitate completion of homework assignments.

Communications for the Office
OFF 215
3 crs. 3 hrs.
This course is designed to train students to plan, organize, write, edit, and rewrite business correspondence.

Prerequisites: OFF 100 or 101 and 110, or departmental approval

NOTE: Not open to students who have completed OFF 115.

Text Processing I
OFF 220
4 crs. 4 hrs.
This course is designed to teach students the basic word processing operations of a computer system; as creating, editing, formatting, storing, and printing documents. Also, the software's capabilities to merge documents and create headers and footers will be taught. Speed requirements will be 40 to 55 words per minute for five minutes.

Prerequisite: OFF 110

NOTE: Not open to students who have completed SEC 476.

Word Processing Software
OFF 221
3 crs. 3 hrs.
This course teaches word processing software skills required to create, edit, format, and print personal and business documents—letters, memos, and reports—in the most efficient manner. The student learns to use advanced features of the software. At registration, students will be assigned a one hour per week laboratory space in order to facilitate the completion of homework assignments. Not open to Office Administration majors.

Text Processing II
OFF 320
2 crs. 2 hrs.
This is a skills development course requiring the production of complex multi-page documents, including the preparation of tables utilizing horizontal scroll and
reports containing a table of contents, complex tabulations, footnotes, and an index. Students will be taught the functions of the text processing utilities menu. Speed requirements are 50-65 words per minute. At registration, students are assigned a two-hour per week laboratory space in order to facilitate completion of homework assignments.

**Prerequisite:** OFF 220 or departmental approval

**Advanced Text Processing Functions**

OFF 322

2 cr. 2 hrs.

This course will teach students the mathematical, graphical, and programmable capabilities of the text processing software. At registration students will be assigned a two hour per week laboratory space in order to facilitate completion of homework assignments.

**Desktop Publishing**

OFF 323

4 cr. 4 hrs.

This course is an exploration of the current desktop publishing software used on popular microcomputers. Students will become familiar with the basic techniques that will enable them to produce in-house flyers, newsletters, and other documents.

**Automated Office Administration**

OFF 330

3 crs. 3 hrs.

This course provides an overview of current automated office equipment. Physical, budgetary, and personnel problems that can be encountered when office systems are newly installed, rearranged, or expanded are studied. It is a lecture and case study course with the incorporation of a guest speaker and/or site visit.

**Prerequisite:** OFF 220

**Educational Problems of the School Secretary I**

OFF 370

2 crs. 2 hrs.

This course is designed to give the school secretary and the prospective school secretary an over-all view of education—its philosophy, its function, and its techniques. This course will include background material on educational developments in the United States, current trends in education in general, and current trends in the New York City school system in particular. The focus is on the role of the school secretary within the school system. The course includes classroom lectures, prepared reports delivered to the class by individual students, class discussion of relevant current events, as well as assigned readings and a written report.

**NOTE:** Not open to students who have completed SEC 360

**Legal Text Processing**

OFF 420

2 crs. 2 hrs.

This course concentrates on students producing legal documents and legal letters on the word processing equipment. Varied applications, as relates to keyboarding and setup of legal materials, including editing, merged documents, tabulation, enumeration, global operations, headers, footers, dual column, super copy/move, multipage reports, tables, invoices, citations, footnotes, endorsements, and the brief are taught. Required speed is 60-80 words per minute and timed production. At registration, students are assigned a two-hour per week laboratory space in order to facilitate completion of homework assignments.

**Prerequisite:** OFF 220

**Text Processing III**

OFF 422

2 crs. 2 hrs.

This course is designed to teach alternative software programs utilized for processing documents in today's electronic office. Speed requirements are 60-80 words per minute. At registration, students are assigned a two-hour per week laboratory space in order to facilitate the completion of homework assignments.

**Prerequisite:** OFF 320 or departmental approval

**NOTE:** Not open to students who have completed OFF 421

**OIS Supervision**

OFF 430

2 crs. 2 hrs.

This course is designed to train students to operate and supervise an electronic office system that uses OIS software. The operating procedures of the DOS (disc operating system)—supervisory functions, file utilities, volume utilities, and control functions—are taught. In addition, systems installation procedures and system management are taught. At registration, students are assigned a two-hour per week laboratory space in order to facilitate completion of homework assignments.

**Prerequisite:** OFF 320
Legal Transcription—Machine

OFF 451
2 crs. 2 hrs.
This course concentrates on preparing students for the exact work required in a legal office, with emphasis on developing skills in taking legal machine dictation and the timed transcription of basic litigation and non-litigation documents and legal letters. At registration, students are assigned a two-hour per week laboratory space in order to facilitate completion of homework assignments.
Prerequisites: OFF 210, OFF 301

Legal Terminology, Operations and Administration

OFF 452
2 crs. 2 hrs.
This course introduces the student to basic legal vocabulary, legal office procedures, operations, and administration. Included are a study of the courts and the court system, procedure, basic litigation and non-litigation documents. Previewed legal documents and materials are presented, analyzed— as to background, handling, spellings, compounds, legal phrases, punctuation, abbreviations, comprehension, etymological derivation, so as to ease skill development in preparation and procedure for basic legal documents and materials.
Prerequisites: OFF 101, OFF 200, OFF 210

Educational Problems of the School Secretary II

OFF 470
2 crs. 2 hrs.
This course is designed to provide preparation for the school secretary and the prospective school secretary in basic educational principles and practices. The course includes classroom lectures, prepared reports delivered to the class by individual students, and case studies of school problems and their solutions.
Prerequisite: OFF 370

NOTE: Not open to students who have completed SEC 460.

School Records and Accounts

OFF 471
2 crs. 2 hrs.
This course is required for the School Secretary License of the New York City Board of Education. This course is designed to instruct students in the competencies of New York City school records, and accounts, and administrative procedures.
NOTE: Not open to students who have completed SEC 350

SCIENCE

Room N645, Telephone: (212) 346-8560
The courses offered by the Science Department are designed to meet the needs of students with specific interests in science and career goals in this field. The courses introduce students to the study of fundamental scientific laws and theories and provide knowledge, basic skills and appreciation of science as a human enterprise.

Chairperson: Philip Penner
Deputy Chairpersons: Herbert Ringel, Edgar Schnebel, Richard Whealey


Associate Professors: Charles Goldberg, Ronald J. Slavin

Assistant Professors: Carlos Alva, Mahmoud Ardeih, Joel Hernandez, Ruth Herz, Enrique Izaguirre, Nanette Van Loon, Melinda Weil

Senior College Laboratory Technicians:
Robert J. Bauer, Alton W. Johnson

College Laboratory Technician: Adem Faisal, Owen Meyers, Christopher Salami

Adjunct Faculty: There are approximately 60 adjuncts in the Department.

ASTRONOMY

General Astronomy

AST 110
4 crs. 3 hrs. 2 lab hrs.
This course introduces students to the world beyond the earth. The methods of astronomy and our knowledge of the structure of the universe are presented as an ongoing human endeavor that has helped shape modern man as he/she takes his/her first steps into space.

BIOLOGY

General Biology

BIO 110
4 crs. 3 hrs. 2 lab hrs.
Basic cellular structure, tissue organization, physiological process, reproduction, and genetics are studied. Special attention is given to selected zoological specimens with particular emphasis upon man.
Course Descriptions

SCIENCE

Biology I  
4 crs. 3 hrs. 3 lab hrs. (per term)
This two-semester course acquaints students with the basic properties of living systems: metabolism, growth, responsiveness and reproduction at the cellular and organism levels as illustrated by assorted plants and animals. Two terms required.
Prerequisite for BIO 220 is BIO 210.

Fundamentals of Microbiology  
4 crs., 3 hrs. 3 lab hrs.
This introductory course includes the study of structure, metabolism, environmental significance and evolution of micro-organisms. The laboratory will emphasize basic bacteriological techniques of identification and culture.
Prerequisite: BIO 220

Genetics  
4 crs., 3 lecture, 3 lab hrs.
Genetics is designed as a one-semester course covering the fundamental concepts of classical, molecular, and human genetics. The student gains a background that facilitates a greater understanding of recent advances in molecular biology and human inheritance.
Prerequisite: BIO 220
Corequisite: CHE 220

Microbiology  
4 crs., 3 hrs. 3 lab hrs.
Micro-organisms pathogenic to humans: their characteristics, pathogenicity and modes of transmission are studied. Instruction includes a study of the sterile technique and maintenance of the sterile field. Required in selected programs in the Health Sciences; available to other students through Departmental approval.
Prerequisites: BIO 426 and CHE 110, or CHE 118, or Departmental approval

Anatomy and Physiology I  
4 crs. 3 hrs. 3 lab hrs. (per term)
This two-semester course explores the human body as an integrated, functional complex of systems. Terminology, structure and function of each organ-system, with emphasis on their interrelationships, are explained. Required of students in the health services technologies.

CHEMISTRY

General Chemistry  
4 crs. 3 hrs. 2 lab hrs.
This course is designed specifically for the non-science major. It explores the world of atoms and molecules and relates this submicroscope world to the daily life of the student. Topics to be discussed include plastics, foods, the environment, genetics, and drugs.

Fundamentals of Chemistry  
4 crs. 3 hrs. 2 lab hrs.
This is a one-semester course designed especially to meet the needs of students in the Health Technology Programs. Topics include modern atomic theory and an introduction to the molecular basis of matter through the study of chemical principles and reactions. Lecture and laboratory are integrally related.

Fundamentals of Organic Chemistry  
4 crs. 3 hrs. 3 lab hrs.
This is an introduction to the chemistry of carbon compounds. The lecture emphasizes structure and bonding, reaction mechanisms, synthesis, stereochemistry, and applications to biological chemistry. The laboratory experiments illustrate the lecture topics.
Prerequisite: CHE 110, CHE 118, or CHE 210

Fundamentals of General, Organic & Biological Chemistry I  
CHE 121
Fundamentals of General, Organic & Biological Chemistry II  
CHE 122
4 crs 3 lecture, 3 lab hrs. (per term)
This course is a two-semester course sequence that introduces principles and concepts of general, organic and biological chemistry. The laboratory will provide experimental applications of these chemical topics. CHE 121-122 – Two terms are required. They are liberal arts electives. They are recommended for students intending to transfer to bachelor degree Allied Health Science curricula. CHE 121-122 cannot be granted credit to fulfill degree requirements for Science (A.S.) and
Engineering Science (A.S.). CHE 121-122 do not meet the science requirement for the Liberal Arts degree (A.A.).

Chemistry I  
CHE 210
4 crs. 3 hrs. 3 lab hrs. (per term)
This two-semester course involves the study of the central concepts and basic principles of chemistry, including atomic and molecular theories, the relation of structure to chemical behavior, and the chemistry of the important elements and their compounds. Laboratory work includes some qualitative measurements, qualitative inorganic analysis and other solutions of simple laboratory problems. Two terms required.
Prerequisite for CHE 220 is CHE 210

Chemistry II  
CHE 220

Organic Chemistry I  
CHE 230
Organic Chemistry II  
CHE 240
5 crs. 3 hrs. 4 lab hrs. (per term)
This two-semester course sequence is the study of the structure and properties of the fundamental classes of organic compounds with emphasis on reactivity, reaction mechanisms, stereochemistry, electronic theory, and applications to allied fields. Two terms are required.
Prerequisite for CHE 230 is CHE 220
Prerequisite for CHE 240 is CHE 230

ENGINEERING SCIENCE
Elements of Engineering Design  
ESC 111
1 cr. 3 lab hrs.
This course provides an introduction to engineering practice through hands-on investigations, computer applications, and design projects in the fields of structures and robotics. All investigations and design projects are performed in groups and presented in oral and/or written form. Computers are used for documentation, data analysis and robot control.
Corequisites: MAT 206, CHE 210, PHY 215 or departmental approval

Computer Aided Analysis for Engineering  
ESC 113
2 crs. 1 lecture, 2 lab hrs.
This course introduces topics important for engineers. Computer aided analysis techniques are introduced and used for the design and modeling of engineering systems such as electrical circuits, pipelines, signal and image processing, aircraft engines, orbits and trajectories, protein molecules and sewer treatment.
Prerequisites: MAT 206 or departmental approval
Corequisites: CHE 210, PHY 215 or departmental approval

Engineering Graphics  
ESC 130
2 crs. 1 hr. 3 lab hrs.
This is a course in fundamental engineering drawing and industrial drafting-room practice. Lettering, orthographic projection, auxiliary views, sessions and conventions, pictorials, threads and fasteners, tolerances, detail drawing dimensioning and electrical drawing; introduction to computer-aided graphics are covered.

Engineering Mechanics  
ESC 200
4 crs. 4 hrs.
This is a course in statics and dynamics and designed for engineering students. Among the topics covered are forces, equilibrium, friction, kinematics and dynamics of a particle, work and energy, linear and angular motion, and rotational dynamics of a rigid body.
Prerequisites: PHY 225 and MAT 302, or departmental approval

Engineering Mechanics I  
ESC 201
(Statics and Particle Kinematics)
3 crs. 2 hrs. 3 lab hrs.
This course is a three-dimensional vector treatment of the static equilibrium of particles and rigid bodies. Topics include: equivalent force and coupled systems, static analysis of trusses, frames machines, friction, properties of surfaces and rigid bodies, particle kinematics, path variables, cylindrical coordinates and relative motion. Elements of design are incorporated in the course.
Prerequisites: ESC 130, MAT 302 and PHY 225 and SCI 120, or SCI 121, or departmental approval

Engineering Mechanics II  
ESC 202
(Kinematics and Dynamics of Rigid Bodies)
3 crs. 2 hrs. 3 lab hrs.
This course is a three-dimensional vector treatment of the kinematics of rigid bodies using various coordinate systems. Topics include: relative motion, particle
dynamics, Newton's laws, energy and mechanical vibrations. Elements of design are incorporated in the course.
Prerequisites: ESC 130, ESC 201, PHY 225
Corequisite: MAT 501 or departmental approval

Thermodynamics 1
ESC 211
3 crs. 4 hrs.
This course covers introductory concepts and definitions: Absolute temperature, Work, heat, First Law and applications, Second Law, Carnot Theorem, entropy, thermodynamic state variables and functions, reversibility, irreversibility, ideal gas mixtures, mixtures of vapors and gas, humidity calculations.
Prerequisites: CHE 210 and PHY 225
Corequisite: MAT 303 or departmental approval

Circuits and Systems 1
ESC 221
3 crs. 4 hrs.
This course includes circuit elements and their voltage-current relations; Kirchhoff's Laws, elementary circuit analysis; continuous signals; differential and difference equations; first order systems and analysis of RLC circuits.
Prerequisite: PHY 225
Corequisite: MAT 501 or departmental approval

Switching Systems and Logic Design
ESC 223
3 crs. 5 hrs.
This course includes the analysis and design of combinational and sequential circuits and their applications to digital systems. The use of integrated circuits in the design of digital circuits is illustrated in the laboratory experiments.
Prerequisites: MAT 302, PHY 225, and SCI 120 or SCI 121, or departmental approval

GEOLoGY
Geology 1
GLY 210
4 crs. 3 hrs. 3 lab hrs.
This course covers fundamental principles of geology encompassing the study of minerals and rocks, geological processes, interpretation of topographic and geological maps and techniques of remote sensing. This is a program elective in Engineering Science and an elective in all other curricula. It does not meet the science requirement for Liberal Arts A.A. degree.

PHYSICS
General Physics
PHY 110
4 crs. 3 hrs. 2 lab hrs.
This course serves as an introduction to physics, especially for students who are not science-oriented. A selected number of basic physical ideas are carefully examined and interpreted non-mathematically. The relevance of the scientist and his/her work to the lives of non-scientists is continually examined.

Physics I
PHY 210
Physics II
PHY 220
4 crs. 4 hrs. 2 lab hrs. (per term)
This classroom and laboratory two-semester course includes the study of concepts and principles of physics in the areas of mechanics, heat and thermodynamics, sound, electricity and magnetism, light, and atomic physics plus an introduction to quantum physics and relativity theory. Algebra and simple trigonometry are used. Two terms required.
Prerequisite for PHY 220 is PHY 210

University Physics I
PHY 215
University Physics II
PHY 225
4 crs. 4 hrs. 2 lab hrs. (per term)
This is a two-semester course for students in science and engineering. Concepts of calculus are introduced and used when necessary. The lecture and laboratory exercises pertain to mechanics, fluids, heat and thermodynamics, wave motion, sound, electricity, and magnetism, geometric and physical optics, and an introduction to modern physics.
For PHY 215, Corequisite: MAT 301
For PHY 225, Prerequisite: PHY 215, MAT 301
Two terms required.
NOTE: Students cannot receive credit for both PHY 210 and PHY 215, or PHY 220 and PHY 225.

Modern Physics
PHY 240
3 crs. 4 hrs.
This is an introduction to atomic and nuclear physics, relativity, solid state physics, and elementary particles.
Prerequisite: PHY 225
Corequisite: MAT 501 or departmental approval

The Physics of Music
PHY 400
4 crs. 3 hrs. 2 lab hrs.
The course is designed to give the student a fundamentally qualitative understanding of all the physical processes associated with the production, reproduction, and perception of musical sounds. This course may fulfill the physics requirement in the CCC Curriculum.

**SCIENCE**

*Explorations in Scientific Mathematical Research (Same as MAT 111)*
3 crs. 4 hrs.
This course will introduce the processes involved in research. Students will be designing and performing experiments and analyzing the results. Objectives are: to understand the scientific method, interpret statistics, and appreciate mathematical research. Computers will be used for statistics, graphing, pattern recognition and word processing. Recommended for mathematics and science oriented liberal arts students as a liberal arts elective. Not open to Science or Engineering Science majors.
*Prerequisite: One year of college science*

*Computer Methods in Science* 4 crs. 3 hrs. 2 lab hrs.
This course teaches a computer language and emphasizes application of programming methods for the sciences and engineering. Numerical methods will be applied to examples gleaned from physics, chemistry, and biology and engineering.

*Computer Methods in Science (Pascal)* 4 crs. 3 hrs. 2 lab hrs.
This course is similar in scope and assignments to SCI 120 but utilizes the Pascal programming language.

*Introduction to Microprocessors* 4 crs. 3 hrs. 2 lab hrs.
This is a study of a typical microprocessor and interfacing techniques. Concepts of electricity and its application to digital circuits are introduced as needed for purposes of control and measurement of analog quantities such as current, voltage, and temperature.

*Nutrition* 3 crs. 3 hrs.
This is an introduction to the fundamental principles of human nutrition. The nutrient composition of various foods is examined as well as the manner in which the nutrients are metabolized and used by the human body.
*Prerequisite: One semester of science or departmental approval*

*Man and Environment* 3 crs. 3 hrs.
This course is a study of the interaction of man and his environment. Topics examined include ecology, air and water pollution, pesticides, radioactivity, power generation, noise pollution, waste disposal, population control, food additives, and food contamination. This course is offered as an elective in all curricula.
*Prerequisite: One semester of any science*

*Scientific Instrumentation* 4 crs. 2 hrs. 4 lab hrs.
This course covers the theory and practice and quantitative method with special attention to instrumentation currently employed such as optical, electro-chemical, chromatographic, and radio-chemical techniques. The physicochemical theory and operating characteristics of the instrumentation are stressed. The laboratory emphasizes measurements of biological and environmental significance.
*Prerequisite: One year of laboratory science or departmental approval.*

*Pathophysiology* 3 crs. 3 hrs.
This course studies alterations of normal physiological processes. Included in the course are the basic principles of pathophysiology as well as application of these principles to specific organ systems.
*Prerequisites: BIO 426, and CHE 110 or CHE 118; or permission of the department*

*Pharmacology* 3 crs. 3 hrs.
Fundamental principles and concepts in pharmacology are considered. Particular attention is given to drug action and interaction, and to the effect of drugs and toxic substances in the human organism. This course is required in selected programs in Allied Health Sciences; available to all other students for elective credit. It is recommended that students complete HIT 103, Medical Terminology 1, before registering for this course.
*Prerequisite: BIO 426 and CHE 110 or CHE 118*
SOCIAL SCIENCE

Room N623, Telephone: (212) 346-8230
The Social Science Department aims to broaden and deepen understanding of the complex social, economic, and political issues which face modern society. To achieve these aims, students are trained in the rational analysis of pertinent phases of human experiences. Courses offered in the Social Science Department encompass the following areas of study: Anthropology, Early Childhood Education, Economics, Geography, History, Human Services, Philosophy, Political Science, Psychology, and Sociology.

The Social Science Department requires Liberal Arts students to fulfill their requirement for twelve credits in the Social Sciences with courses from at least four (4) different Social Science disciplines. This includes all courses taken in the Center for Ethnic Studies which fall within the Social Science area (see pp. 55-61).

NOTE: Students requiring ESL 062, ENG 088 or RDG 062 must complete these courses before enrolling in social sciences courses. In addition, MAT 010 or MAT 011, if required, are prerequisites for ECO 100; MAT 012 or MAT 051, if required, for ECO 201, and MAT 056 for ECO 202.

Chairperson: Ronald Doviak
Deputy Chairpersons: Stephen Halpern, Charles Post, Mohamad Soleymani
Professors: Hugh Dawes, Ronald Doviak, Stephen Halpern, Tsiporah Kasachkoff, Howard Prince, Ronald Rubin
Associate Professor: William Friedheim
Assistant Professors: Ron Hayduk, Peter J. Kott, Jonathan Lang, Ting Lei, Patricia D. Mathews, James Perlstein, Charles Post, Mohammad Soleymani, Janice Walters
Instructors: Martin Scott Carter, Robin Isserles, William Roane
Lecturers: Carl Johnson, Rhea Parsons

ANTHROPOLOGY

Introduction to Anthropology ANT 100
3 crs. 3 hrs.
The evolution and behavior of human beings as cultural animals are the focus of this course. Students are introduced to the basic concepts and methods of the major divisions of anthropology: physical, social and cultural; archeology and linguistics. Emphasis is placed on preliterate societies to facilitate the study of the interrelation of various aspects of culture.

The Roles of Women in a Changing World ANT 210
3 crs. 3 hrs.
This course analyzes the status and roles of women in cross-cultural perspective. Particular emphasis is given to the socio-cultural forces underlying the women's rights movements in the 19th century and the present resurgence of feminism.

ECONOMICS

Introduction to Economics ECO 100
3 crs. 3 hrs.
The basic economic principles of production, consumption and price determination under the different market conditions are investigated in this course. The American economic system is described and analyzed and the impact of various institutions on the economy, banking system, organized labor, social security, and federal budget is examined.

Macroeconomics ECO 201
3 crs. 3 hrs.
This course is intended primarily for those students who intend to pursue professional careers in fields such as economics, finance, management, and administration. It is also open to highly motivated students in other areas. Topics include: national income and national product; saving, consumption, investment, the multiplier theory, fiscal policy, inflation, employment and business cycles. The student will also be acquainted with money, banking, and central bank monetary policies, as well as some of the more significant theories of international trade and economic development.

Microeconomics ECO 202
3 crs. 3 hrs.
This course is designed principally for those students who intend to pursue professional careers in fields such as economics, accounting, finance, management, and administration. It is also open to highly motivated students in other areas. The course will focus on price theory in conjunction with the laws of supply and demand, the analysis of cost, profit, market structure,
production theory, and the pricing of productive factors. Significant contemporary economic problems will also be investigated.

**GEOGRAPHY**

_GEO 100_  
**Introduction to Human Geography**  
3 hrs.  
This course introduces students to the key concepts and principles of human geography. The course is designed to show how world geographic conditions such as climate, landform, natural resources, soil, space and ecology have influenced human culture and civilization over time.

**HISTORY**

_HIS 101_  
**Western Civilization: From Ancient to Early Modern Times**  
3 hrs.  
This course analyzes the societies of Western civilization from their origin to early modern times. The major social, economic, political, religious, and intellectual developments are examined and their impact on the development of modern Western civilization is traced.

_HIS 102_  
**Western Civilization: The Emergence of the Modern World**  
3 hrs.  
This course traces the growth of the modern Western world to the present. It surveys the political, economic and social foundations of contemporary civilization.

_HIS 111_  
**History of Science and Technology**  
3 hrs.  
In this historical survey of the emergence and development of a recognizable science and technology, the interrelationships between science and technology will be brought out. Some of the principal topics considered include science and technology in prehistory; ancient Babylonian, Egyptian, and Greek science and culture; Medieval medical technology and science; the scientific revolution of the seventeenth century; Darwinian evolution; the conquest of epidemic diseases; and the development of nuclear weapons. Critical analysis will cover the nature of scientific ideas, the scientific method and scientific change; the structure of scientific communities; relations between science, technology, and medicine; and the place of science in modern society.

_HIS 120_  
**Early American History: Colonial Period to Civil War**  
3 hrs.  
In this course, the history of the United States from the Colonial period to the Civil War is studied and the major political, economic, and social problems of the new nation are analyzed.

_HIS 125_  
**Modern American History: Civil War to Present**  
3 hrs.  
This continued study of American history emphasizes the emergence of an industrial economy, an urban society, world responsibility, and the expanded federal government.

_HIS 225_  
**History of Women**  
3 hrs.  
This course in social and intellectual history examines ideas about women and women’s status in society in selected periods of history. Emphasis is placed on the reading and interpretation of primary source material. Topics included are: the historiography of women’s history; examples of matriarchy; women in the Ancient Near East; Greece and Rome in the Middle Ages and the Renaissance; the role of women in the American slave and plantation society; women in the modern capitalist and socialist worlds.  
*Prerequisite: One semester of history or departmental approval*

**PHILOSOPHY**

_PHI 100_  
**Philosophy**  
3 hrs.  
The study of philosophy helps students develop analytic skills and gain an appreciation of the general philosophical problems with which human beings have grappled throughout Western civilization. Basic philosophic problems such as free will and determinism, the criteria which justify ethical evaluations, the philosophical considerations which are relevant to belief or disbelief in God, and knowledge and illusion are examined during this course.

_PHI 110_  
**Logic**  
3 hrs.  
The course focuses on principles of sound thinking and valid argument in order to develop skills in analysis and evaluation of inductive and deductive reasoning.
SOCIAL SCIENCE

Students learn to discriminate between valid and invalid argument, using as tools the techniques of formal and symbolic logic.

Cultural and Ethical Issues in Science and Technology  
PHI 111  
3 hrs.  
In considering ethical positions ranging from animal rights to environmental philosophies of radical ecology, and studying the impact of new reproductive technologies and other biotechnologies on the (so-called) Third World, students learn about advances made by working scientists and feminist philosophers in contextualizing science and technology. A special attempt will be made to study cultural factors as class, gender, and race in order to understand the responsibilities of scientists and technologists for the uses of their knowledge; the ethics of scientific research; and truth and fraud in science and engineering.

POLITICAL SCIENCE

American Government  
POL 100  
3 hrs.  
The history, development, and intellectual origin of American government are studied and analyzed. Special consideration is given to the structure and operation of the executive, legislative and judiciary branches, and the role of government and politics in a modern industrial society.

Political Economy of Technoscience  
POL 111  
3 hrs.  
Science, technology and society is constructively and deconstructively theorized within fields of knowledge known as textual and political economies. In considering competing intellectual traditions in creating a theory of science, technology, and society, themes such as the relationship between science, technology and the state; social epistemology; laboratory science studies; feminist perspectives on science and technology; ecological foundations for science and technology; and the globalization of science and technology will be discussed. This course will provide acquaintance with the everyday context of working scientists and technologists.

World Politics  
POL 210  
3 hrs.  
This course considers the basic factors involved in international relations. The components of nationalism, the state system, and the concept of politics as the crucial form of interstate relationship are discussed and examined. A systematic study is made of capabilities, goals and methods of interstate relations, considering the underlying principles, forces, patterns, and problems which historically characterize international organization and the political systems of the world.  
Prerequisite: POL 100

Politics and Government in New York City  
POL 220  
3 hrs.  
This course explores the government and administration of the City of New York. Structures and institutions such as the Office of the Mayor and the City Council are examined, as well as the city bureaucracies and non-governmental groups whose activities bear upon politics in New York. The emphasis is on the political process and decision-making systems.  
Prerequisites: POL 100, SOC 100

PSYCHOLOGY

General Psychology  
PSY 100  
3 hrs.  
This course stresses adaptive human behavior in relation to the environment. Topics considered include; origins and methods of psychology, neuropsychological bases of behavior, maturation, motivation, emotion, learning, frustration, and conflict.

Social Psychology  
PSY 200  
3 hrs.  
Human behavior, as shaped by the processes of social interaction, is studied in this course. Data, around which the fundamental topics are presented, are drawn from experimental and case studies dealing with the events of the social environment: socialization, communication and persuasion, attitudes and beliefs, group behavior, and leadership.  
Prerequisite: PSY 100 or SOC 100

Psychology of Personality  
PSY 230  
3 hrs.  
This course examines the psychological structure of the individual. It considers the theoretical foundations and empirical approaches to the study of personality. The
Focus of the course is the normal adult in relation to constitutional factors, childhood experiences, and behavioral changes which occur during adulthood.

**Prerequisite:** PSY 100

**Developmental Psychology**

*PSY 240*  
3 hrs. 3 hrs.
A systematic examination is made of the behavioral changes which occur during principal stages of the life span, their flexibility and stability. Attention is given to genetic, physiological and social forces affecting human development.

**Prerequisite:** PSY 100 or SOC 100 except for students in any health services program

**Psychology of Women**

*PSY 245*  
3 hrs. 3 hrs.
This course involves the interpersonal and institutional socialization of women in contemporary American society and the effect of these processes on individual personality through an examination of existing roles and exploration of alternatives.

**Prerequisite:** PSY 100, SOC 100, or SCS 100

**Child Psychology**

*PSY 250*  
3 hrs. 3 hrs.
In this course physiological, motivational, emotional, and intellectual aspects of behavior from birth to adolescence are studied. Students are taught how individual, social, and cultural factors affect children's development.

**Prerequisite:** PSY 100

**Abnormal Psychology**

*PSY 260*  
3 hrs. 3 hrs.
This course discusses the causes, diagnoses, treatment and prevention of various types of maladjustment and mental disorders. The relation of neuroses and functional psychoses to current conceptions of normal personality functioning is discussed.

**Prerequisite:** PSY 100 and permission of the instructor

**Sociology**

**Introduction to Sociology**

*SOC 100*  
3 hrs. 3 hrs.
This course analyzes the structure, processes and products associated with group living. Attention is focused on the concepts of social organization, culture, groups, stratification, major social institutions, and significant trends in group living.

**Sociology of Urban Education**  
*SOC 110*  
3 hrs. 4 hrs.
This course examines the barriers to the completion of high school by urban high school students and presents the "mentor model" as one way to support and help students achieve in the school environment. Students taking this course will spend a minimum of 20 hours serving as a mentor to a student from a nearby high school.

**Prerequisite:** Permission of department

**Understanding Technological Society**  
*SOC 111*  
3 hrs. 3 hrs.
This is a problem-centered and task-oriented course that integrates the humanities and the theories and practices of science and social sciences into the leading public issues of technological society. By emphasizing the close connections between science and technology, social institutions, and cultural values, students will learn how social institutions directly affect technological development and professional careers. The course also analyzes today's "global village," the changing relations between East and West and the Third World, and worldwide development and environmental issues.

**Social Problems**  
*SOC 200*  
3 hrs. 3 hrs.
A close relationship exists between the social problems and the values and structures regarded by society as normal and stable. In this course, students apply sociological principles, theory, methods, and research toward an understanding of social problems.

**Prerequisite:** SOC 100

**Ethnic Groups in American Life**  
*SOC 230*  
3 hrs. 3 hrs.
This course studies the various ethnic groups which comprise the population of the United States—their accommodations and assimilation, their changing attitudes and impact on one another. In addition, the effects of interracial tension on personality and social organization are explored and comparative analyses of selected countries are made.

**Prerequisite:** SOC 100
Course Descriptions

SOCIAL SCIENCE • SPEECH, COMMUNICATION, AND THEATRE ARTS

Urban Sociology  
SOC 240  
3 crs. 3 hrs.  
This course involves a sociological analysis of the modern city and the urban way of life. Among the topics discussed are: the growth and decline of urban neighborhoods; social forces responsible for the modern urban community; urban ecology; urban blight and shifts in the residential distribution of racial, ethnic, and income groups; plans and policies for urban development; and the future of the central city.  
Prerequisite: SOC 100

The Family  
SOC 250  
3 crs. 3 hrs.  
This course examines the basic functions of the family in contemporary society. The social processes involved in courtship, marriage, parenthood, alternative family models, the roles of family members, and the relationship between the various models and the community will be examined.  
Prerequisite: SOC 100 or ANT 100

SOCIAL SCIENCE

Social Science and Contemporary Society  
SSC 100  
3 crs. 3 hrs.  
This course concentrates on the important issues confronting human beings in modern society and attempts to show how social science can be used as a tool for improving our understanding of human behavior. The approach is interdisciplinary, utilizing the knowledge and methodology of the social science disciplines. Strongly recommended for students in the Business career programs.

Field Experience in Italy  
SSC 150  
3 crs.  
This course offers the student Social Science field experience in Italy. Orientation, seminars with guest lecturers, field trips to sites of historic interest, and cultural tours are an integral part of the travel program. The field experience base of operations is a university in Italy.

SPEECH, COMMUNICATIONS AND THEATRE ARTS

Room N672, Telephone: (212) 346-8750

The courses offered by the Department of Speech, Communications, and the Theatre Arts are aimed at developing and enriching skills in communications and/or performance.

The electives in Speech (SPE) introduce students to voice and diction, oral interpretation, public speaking, the mass media and interpersonal communication. The theatre electives (THE), designed to develop an understanding of theatre as a humanistic study and as an art form, provide students with a broad selection of courses ranging from history and criticism to a variety of performance workshops. The Department administers the Corporate and Cable Communications Program. This is a comprehensive program in video production leading to the A.A.S. degree.

In consultation with a faculty advisor, students may take dance courses that develop and perfect their skills in the area of dance. The dance focus provides students with a thorough background in both performance and production. Students participate in dance classes, workshop performances of their own, and work choreographed by established choreographers. The courses cover a wide range of dance techniques and are designed for students with previous dance training or those who are considering a career in the professional theatre.

Chairperson: George W. Fleck  
Deputy Chairperson: Susana Powell  
Professors: Charlotte Croman, George W. Fleck, Sandra S. Poster  
Associate Professor: Diane Dowling, Frank Galassi, Susana Powell, Suzanne Schick, Ellwood E. Williams  
Assistant Professors: Stephen Desmond, Martin Russell  
Instructor: Kenneth Antrobus, Mila Brisbon, Alkis Papoutsis  
Adjunct Faculty: There are approximately 37 adjuncts in the department.
DANCE

American Dance Techniques I  DAN 170
4 crs. 8 hrs.
This course is an intensive technical study of American
Modern Dance, Classical Ballet, and ethnic/cultural
disciplines. Students work to develop professional skills.
Admission by audition.

African-American Caribbean Dance  DAN 225
2 crs. 3 hrs.
This course will explore in depth material from African
tribal dances, Caribbean dances, and various Afro-
American techniques. The influences of these areas of
movement on American dance as an art form are
explored.

Dance Composition  DAN 266
2 crs. 3 hrs.
Students choreograph and rehearse their own dances and
work as performers in the dances of fellow students. Self
reliance and leadership are stressed.

Dance Performance  DAN 267
2 crs. 3 hrs.
The course teaches production and performance skills.
Students learn a dance from the choreographer and
perform it at a workshop concert which they produce
themselves.

American Dance Techniques II  DAN 270
4 crs. 8 hrs.
This course builds upon American Dance Techniques I.
Prerequisite: DAN 170 or placement examination

Performing Arts Management  DAN 301
3 cr. 3 hrs.
This course is designed to provide an introduction to
organizational, fiscal, managerial, and artistic policy
making principles and techniques involved in managing
the performing arts with specific emphasis on the non-
profit professional dance company.

Survey of 20th Century Dance  DAN 360
3 crs. 3 hrs.
This is a survey of the developments in dance as a
performing art during the 20th century—its period of
greatest development. By means of films, tapes, and
slides, the class explores the relationship of this art form
to the social and political changes taking place and the

changes in the other arts. Among the areas covered are
ballet, jazz, musical comedy, and modern.

American Dance Techniques III  DAN 370
4 crs. 8 hrs.
This course builds upon American Dance Techniques II.
Prerequisite: DAN 270, placement examination, or
departmental permission

American Dance Techniques IV  DAN 470
4 crs. 8 hrs.
This course builds upon American Dance Techniques
III.
Prerequisite: DAN 370, placement examination, or
departmental permission

SPEECH

Fundamentals of Speech  SPE 100
3 crs. 3 hrs.
The aim of this course is to develop effective skills in
speech communication. The student examines how to
generate topics and organize ideas, masters elements of
audience psychology, and practices techniques of speech
presentation in a public forum. All elements of speech
production and presentation are considered. Required of
all students.

Fundamentals of Speech:
Language Skills  SPE 102
3 cr. 3 hrs.
The course is intended for those who desire special
emphasis in vocabulary building, pronunciation,
enunciation, and mechanics of effective delivery. This
class is particularly recommended for those whose native
language is not English as well as those wishing
concentration in speech and language skills. Class work is
implemented through the use of recordings, individual
and group drills, interpersonal exercises, oral reading,
impromptu and prepared group discussion and speeches.
Weekly speech tutoring is required. This course may be
taken in place of SPE 100 and satisfies the requirement
for Speech.

Public Speaking  SPE 120
3 crs. 3 hrs.
The aim of the course is to provide the student with
advanced experiences in the preparation and analysis of
oral presentations for professional, nonprofessional, and
Course Descriptions

SPEECH, COMMUNICATION, AND THEATRE ARTS

academic situations. A detailed study of the principles and theories of public speaking is made. The course includes the presentation of student speeches.  
Prerequisite: SPE 100 or permission of department

Voice and Diction

SPE 200
3 crs. 3 hrs.
This course is designed for those students who wish to improve their speech communication in the business and professional environment. Study of voice and articulation, development of auditory discrimination, utilization of individual and group exercises, and application of speech in group discussions and interviews are covered. This class is particularly recommended for those whose native language is not English as well as those desiring additional improvement in speech and language.

Interpersonal Communication

SPE 240
3 crs. 3 hrs.
The course introduces the basic concepts and theories of interpersonal communication in personal, educational and business settings. This includes a study of self as communicator, the effect of language on others, verbal and nonverbal expression of thoughts and feelings, and factors which contribute to effective communication.  
Prerequisite: SPE 100 or permission of department

The Mass Media

SPE 245
(Required of all CCC majors)
3 crs. 3 hrs.
The focus of this course is to provide an understanding of the influence and impact on our lives and society by the mass media. The course examines the history, law, technology, economics and politics of the mass media through independent study, field trips, etc. Students are encouraged to be aware of techniques of influence used by the mass media to influence and determine social and political values. In addition, students learn to develop tools for critical analysis of and standards for discriminating consumption of the mass media.  
Prerequisite: SPE 100 or permission of department

THEATRE

Acting I

THE 101
3 crs. 3 hrs.
This course is designed to aid students in acquiring the necessary skills that comprise the basics of acting.

Acting II

THE 102
3 crs. 3 hrs.
This course aims to facilitate further technical control in acting as well as offering intensive work in characterization. Scenes and full length plays are performed.  
Prerequisite: THE 101 or permission of department

Introduction to Theatre

THE 150
3 crs. 3 hrs.
This is a conceptual rather than a chronological approach to the origins and influences of significant theatrical movements from classical theatre to contemporary European and American theatre. This study of playwrights, production history, schools of acting, and theatre criticism includes discussion of such figures as Euripides, Shakespeare, Betterton, Gordon Craig, Stanislavski, Grotowski, Pinter, Le Roi Jones, and Brustein.  
Prerequisite: SPE 100 or permission of department

Externship: Elements of Theatre Production

THE 248
3 crs. 10 hrs.
Students serve as interns in various elements of theatrical production. Technical skills in lighting, sound, scenery, and props are included as well as experience with box office, publicity, and promotion. Students are assigned to the BMCC Tribeca Performing Arts Center or other theatre companies in Manhattan.  
Prerequisite: departmental approval

CORPORATE AND CABLE COMMUNICATIONS

NOTE: CCC courses are open only to students enrolled in the CCC curriculum.

Introduction to Corporate Media Applications

CCC 150
3 crs. 3 hrs.
This course introduces students to the many industrial applications of the state-of-the-art media. New technologies and current industrial communication
problems are covered. Students study the history of modern communications and each student is given a glossary of technical terms. The course covers corporate needs for artists, designers, photographers, camera operators, videotechnicians, multi-image programmers, lighting technicians, and film and video editors.

Non-Broadcast Television

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCC 155</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

This course acquaints students with the non-broadcast media of today: cable television, pay television, videotape, videotapes, satellites, microwave and laser technologies, two-way cablecasting, and teleconferencing. It explores the development of industrial use of these media in varied applications such as training, product promotion, and sales and management seminars. Students participate in workshops and visit non-broadcast television facilities.

T.V. Studio Production for Business I

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCC 160</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

This is a "hands-on" course designed to teach students every aspect of studio television production. Students learn how to produce industrial videotapes for training programs, corporate "news" shows, public service television spots, point-of-purchase programs, executive communications messages, new product introductions, management seminars, and sales incentive programs. Instruction is given in basic production skills such as the operation of cameras, studio lighting, audio switcher/fader, slide and motion picture film chain, and special effects generator. Students perform the basic functions of a T.V. studio director, floor manager and technical director.

Prerequisite: CCC 150 or CCC 155

Remote Production/Video Editing I

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCC 170</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

Students learn how to produce, shoot, and edit industrial videotapes on campus, using 1/2" and 3/4" equipment. Productions include pre-planned, scripted projects as well as use of interview techniques and electronic news gathering.

Prerequisite: CCC 150 or CCC 155

T.V. Studio Production for Business II

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCC 260</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

This "hands-on" course is designed to further teach students all aspects of studio television production. Students learn how to produce industrial videotapes for training programs, corporate "news" shows, public service television spots, point-of-purchase productions, executive communications messages, new product introductions, management seminars, and sales incentive programs. In addition, each student learns to create, develop, and produce programming for cable television.

Prerequisite: CCC 160 or permission of the department

Remote Production/Video Editing II

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCC 270</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

Advanced students in corporate and cable communications learn videotape editing on 3/4" videotape cassette equipment. In order to assemble sequences into a coherent story, students learn how to remove extraneous material and build a structure through careful selection of shots and points of edit. Two videotape recorders (VTR’s) and the latest editing decks are used in this course.

Prerequisite: CCC 170 or permission of the department

Budgeting for Audiovisual Production

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCC 300</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

Budgeting is one of the first steps in the audiovisual production process. This course teaches students how to prepare a production budget for corporate, cable, and audiovisual projects. Students learn how to work within a strict budget to insure compliance with corporate and cable television organizational requirements.

Prerequisite: CCC 150 or CCC 155

Introduction to Video Graphics

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCC 301</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

This course will offer an introduction to two dimensional video graphics systems. The student will learn the operation of these systems as they are used in corporate and cable television applications, as openings for programs, in live studio situations, and for integration in post-production.

Prerequisite: CCC 160 or CCC 170
Special Programs

Lighting for Television
CCC 302
3 crs. 3 hrs.
This course will cover the fundamentals of lighting for television. Students will learn the principals of lighting techniques and study the various types of instruments and peripherals used. Besides lectures, there will be hands-on demonstrations both in the studio and on location.
Prerequisite: CCC 160 or CCC 170

Teleconferencing
CCC 306
3 crs. 3 hrs.
Teleconferencing offers an immediate, reliable, and cost efficient method of transmitting a presentation of a speaker, a new product, or training material to one or more meetings/business conventions without concern for travel or shipping time. This "hands on" course is designed to acquaint students with the new teleconferencing methods of today. It explores the development of teleconferencing and its varied corporate applications.
Prerequisite: CCC 150 or CCC 155

CUNY/ BMCC SPECIAL PROGRAMS
The City University of New York (CUNY) and BMCC provide educational programs to help you develop beyond your academic degree requirements. The following special programs are available:

CUNY Baccalaureate Degree Program
The CUNY Baccalaureate Degree Program permits self-directed, academically strong, highly motivated students to design their own academic course of study under the guidance of faculty mentors. Should you have unique academic goals or career objectives and be interested in designing a completely individualized course of study leading to the B.A. or B.S. degree, this program offers a singular opportunity. Campus Coordinator of the CUNY Baccalaureate is Prof. Lisa Rose, Room N615

CUNY Law School
The City University of New York Law School at Queens College reflects an expansive view of the functions of law and lawyers in society and includes a significant core of required courses that integrate related subject matter.

The admissions program seeks to identify candidates with strong academic abilities and qualities that make an outstanding lawyer.

The school works actively to develop job opportunities in public and private positions.

Directed Study
The Directed Study Program is available for advanced students to work independently of a formal classroom situation.

This option is available for approved BMCC courses. A maximum of 9 credits may be earned. For information on eligibility and enrollment procedures, please contact the Department Chairperson of your particular field of interest.

New York/Paris Exchange Program
The New York/Paris Exchange Program offers CUNY students of all disciplines the opportunity to study (one semester to a full academic year) at one of the universities of Paris while earning credits toward their CUNY degree. Applicants should be in good academic standing and have three semesters of college French or the equivalent proficiency. For further information or applications, contact Dr. Maxine Fisher, New York/Paris Exchange Program, Queens College, 65-30 Kissena Boulevard, Flushing, NY 11367; (718) 997-9508. Prof. Michael Giammarella, Student Life Department, is campus coordinator of the Program at BMCC. He can be reached at (212) 346-8138.

The Pre-Freshman Summer/Winter Immersion Program
This program is designed for newly admitted students planning to enter or continue college. The program provides an opportunity for students to acquire basic skills, complete their basic skills obligations, and get a head start on their college experience. The program will (1) offer basic skills courses to improve student’s proficiency in areas such as English (writing), English as a Second Language, Reading, and Mathematics; (2) provide students with an opportunity to enroll in one or more courses to reduce or eliminate the number of basic skills courses they will be required to take in the Fall or Spring semester; (3) provide counseling, tutoring and other support services; and (4) offer students an opportunity to work with concerned and committed faculty in small class-size settings.
BMCC Transfer Programs
To help our graduates make a seamless transition to a senior college, BMCC has formalized articulation agreements with a number of academic programs at senior institutions such as the following:

The BMCC/Adelphi Connection Program stipulates that students who are granted admission to BMCC will be eligible for the Adelphi University Connection Program and, upon completion of their Associate degree, (with a cumulative GPA of 2.3 or higher) may continue their education at Adelphi University. Students who have received an A.A. or A.S. degree from BMCC prior to their transfer to Adelphi are exempt from all General Education requirements. Transfer and Provost scholarships based on merit are available to students who have a minimum cumulative GPA of 3.0. The awards range from $3,000 to $7,000 per year for full-time study. Part-time scholarships may be available in certain instances. Interviews may be required for some awards. Talent Scholarships are also available for demonstrated talent in Art, Music, Dance and Theatre as well as Athletics. Many of these awards require an audition or portfolio review. In addition, need-based financial aid will be provided students who qualify. For further information, see Ms. Freda McClean, S752.

The Community College Transfer Opportunity Program (CCTOP) is a partnership between BMCC and New York University (NYU). Transfer agreements have been worked out between the two colleges that will enable students to transfer at least 60 college credits to a related program of study at NYU. For example, if a student completes an associate’s degree at BMCC in corporate and cable communication, he/she can transfer at least 60 credits to NYU’s B.S. program in communication studies. If a student completes the nursing curriculum, he/she can transfer at least 60 credits to NYU’s B.S. program in nursing. Or upon completing an associate’s degree in liberal arts, a student can transfer 60 credits to a wide variety of communication studies. For further information, see Ms. Freda McClean, S752.

The Vassar College Summer Exploring Transfer Program is an intensive five-week program designed to expand transfer options by introducing community college students to a four-year residential liberal arts college experience. Thirty-five students (approximately 6 from BMCC) from seven community colleges from New York City and upstate counties live full time in a residence hall on the Vassar campus in Poughkeepsie, NY while taking interdisciplinary, liberal arts courses. Each three-credit course is transferable. The courses are taught by faculty members from Vassar and the participating community colleges. Past courses included The Idea of Difference in Literature and Society; Examination of Power in Literature and Political Theory; and The American Mosaic.

Tuition, room, meals, and textbooks are paid for in full by the program. Participants have full access to the Vassar College Library, computing, and athletic facilities. The program begins in mid June and ends in mid July. During the five-week class period, private four-year colleges come to recruit students, offering scholarships. For further information, see Ms. Freda McClean, S752.

CONTINUING EDUCATION AND COMMUNITY SERVICES
Through the Office of Adult and Continuing Education, Borough of Manhattan Community College responds to community needs by providing specialized classes and career information. The tuition-supported programs offered in the Fall and in the Spring, cover a broad spectrum of topic areas to meet the ever-changing needs and interests of our adult community. The primary function of the Office is to provide flexible learning alternatives for adults, particularly in retraining and upgrading skills. In addition, the Office of Adult and Continuing Education works in cooperation with community organizations to train underemployed and unskilled workers to successfully function in an increasingly competitive job market. The Office also responds to requests by business and health agencies to organize educational programs tailored to the needs of their employees.

Please call the Office of Adult and Continuing Education at (212) 346-8350 for further information.
The following programs and courses are currently offered by the Office of Adult and Continuing Education and Community Services.

Business Training Center
The Office of Adult and Continuing Education works closely with training and development departments and with the Regional Education Center for Economic Development to design, develop and implement customized programs structured to meet specific training needs. The primary objective is to augment individual programs with low-cost, professional in-house training.

The Office also works closely with governmental, union and community organizations to increase the productivity and potential of public sector employees. It specializes in the areas of clerical, organizational and workplace literacy programs. Examples of clientele include the New York City Human Resources Administration, the New York State Civil Service Department, the U.S. Post Office and Local 1199.

Free GED, Pre-GED, ESL and Literacy Classes
These classes are available to students who satisfy the eligibility requirements. All applicants must be U.S. Citizens or permanent residents, 19 years of age or older and unemployed, under-employed or on Public Assistance.

Learning for a Lifetime
A number of courses focusing on the interest of the general public are offered at the BMCC campus. Courses are offered under the general headings of Personal Development and Wellness, Computers, Certificate Programs, College Preparation and English as a Second Language. The courses include: Word Processing, The Internet, Writing Skills for College Preparation, Assertiveness Training, Starting Your Own Business to mention a few.

Association for the Help of Retarded Children
The Office of Adult and Continuing Education and the Association for the Help of Retarded Children (A.H.R.C.) are cooperating to offer a series of Continuing Education courses on Saturdays for mentally retarded adults.

Emergency Medical Technician Defibrillation Certificate Program
This program provides the student with the necessary skills and knowledge to deal with a broad spectrum of illnesses and injuries in the pre-hospital phase of emergency care. Upon successful completion of this certificate program, the student will be eligible to take the New York State Department of Health Certifying Examination. Certified EMTs are eligible to apply for admission to the paramedic level Associate Degree Program offered by BMCC.

Early Child Care Specialist Certificate Program
This 16-week program is funded by the Department of Employment to provide mature workers, 55 and older, with an opportunity to acquire relevant work experience while obtaining occupational training. Upon successful completion participants will be eligible for full or part-time employment as a child care provider.

Direct Care Worker Training Program
Participants in this program receive intensive classroom instruction in a wide variety of theoretical and practical subjects to prepare them for positions as Direct Care Workers, caring for the developmentally disabled and mentally retarded in facilities located throughout the metropolitan area.

CEOSC Program
Funded by the New York State Department of Social Services (DSS), for the implementation of the BMCC Comprehensive Employment Opportunity Support Center/Enhanced Placement Initiative (CEOSC/EPI), the Job Readiness Training Program serves students with dependent children currently on Public Assistance.

Begin Language Program
The Begin Language Program funded by the Human Resources Administration is an eight-month instruction program in English as a Second Language and on-the-job work experience for recipients receiving AFDC benefits. Upon completion, participants are eligible for further training.

Counseling Services-Access Center
A bi-lingual counseling staff offers the following services: Professional Assessment, Career and Educational Assessment, Job Placement and Referrals to Adult Basic Education, CUNY Degree Programs, Vocational Training, GED Preparation, and Tuition-Based Class and ESL classes.
ACADEMIC GRADING

GRADING SYSTEM
Final Grades are given at the end of the semester for each course. Grades assigned at the completion of a course are as follows:

QUALITY POINTS
Grade Definition Index

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93-100%</td>
</tr>
<tr>
<td>A-</td>
<td>90-92%</td>
</tr>
<tr>
<td>B+</td>
<td>87-89%</td>
</tr>
<tr>
<td>B</td>
<td>83-86%</td>
</tr>
<tr>
<td>B-</td>
<td>80-82%</td>
</tr>
<tr>
<td>C+</td>
<td>77-79%</td>
</tr>
<tr>
<td>C</td>
<td>73-76%</td>
</tr>
<tr>
<td>C-</td>
<td>70-72%</td>
</tr>
<tr>
<td>D+</td>
<td>67-69%</td>
</tr>
<tr>
<td>D</td>
<td>63-66%</td>
</tr>
<tr>
<td>D-</td>
<td>60-62%</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory (counts as Failure)</td>
</tr>
</tbody>
</table>

W Withdrawed (assigned by instructor upon withdrawal from class between 4th and 10th weeks; non Failure)
WA Administrative Withdrawal (assigned by the Registrar’s Office for administrative reasons, e.g. lack of immunization)
WF Withdrawed Failing (counts as Failure)—assigned by instructor upon withdrawal from class between 4th and 10th weeks)
WU Withdrew Unofficially (counts in GPA computation; same as Failure)
R The "R" grade means a course must be repeated.
NC No credit granted (restricted to regular courses)
ABS Absent from final. A makeup exam is permitted. An "ABS" grade reverts to an "F" (FAB) if a change is not made by the following deadlines:
Spring and Summer semesters—Nov. 1;
Fall semester—March 15.

INC Semester’s work incomplete. "INC" is issued at the instructor’s discretion. The "INC" grade reverts to an "F" (FIN) if a change is not made by the following deadlines: Spring and Summer semesters—Nov 1;
Fall semester—March 15.

AUD Course not taken for credit or grade: “AUD” appears on transcript. To audit a course students must:
a) Obtain permission from the department chairperson.
b) File an application with the Registrar’s Office at the time of registration for the course.
c) Complete regular registration procedures.
d) Pay required tuition and fees. Once classes have begun, students cannot change a course from audit status to credit status or from credit status to audit status. Credits in audited courses are not counted for financial aid. Students must comply with attendance and punctuality regulations.

PEN Grade Pending. This grade requires prior clearance from the Registrar. "PEN" is given by an instructor who cannot evaluate the completed work of a student by deadline. If not changed to a grade by the deadline indicated in "INC," the "PEN" grade will revert to an "FPN."

REP Indicates a course already taken and successfully completed with a grade of "C" or better.

FIN "F" from Incomplete—to be used when an "INC" grade reverts to an "F."

0.0
FAB  "F" from Absent—to be used when an "ABS" grade reverts to an "F."  0.0

FPN  "F" from Pending—to be used when "PEN" grade reverts to an "F."  0.0

Z  No grade submitted by the instructor. "Z" is an administrative grade which cannot be assigned by instructor.

TR  Transfer credit from another institution or courses taken on permit.

**Grade-Point Average (GPA)**

After completion of a course, you are issued a letter grade. Most letter grades have a numerical point value (see Grading System Chart on this page). To compute your Grade-Point Average, multiply the number of points shown for the letter grade by the number of credits for that course. Divide the total number of points earned in all courses by the total number of credits. For example:

<table>
<thead>
<tr>
<th>Course</th>
<th>Final Grade</th>
<th>Point Value</th>
<th>Credits</th>
<th>Points Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>English I</td>
<td>B+</td>
<td>3.3</td>
<td>3 x 3</td>
<td>9.9</td>
</tr>
<tr>
<td>Accounting I</td>
<td>A</td>
<td>4.0</td>
<td>4 x 4</td>
<td>16.0</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>WU</td>
<td>0.0</td>
<td>3 x 3</td>
<td>0.0</td>
</tr>
<tr>
<td>Art Survey I</td>
<td>A-</td>
<td>3.7</td>
<td>2 x 2</td>
<td>7.4</td>
</tr>
<tr>
<td>Fundamentals of Speech</td>
<td>B</td>
<td>3.0</td>
<td>3 x 3</td>
<td>9.0</td>
</tr>
<tr>
<td>Health Education</td>
<td>F</td>
<td>0.0</td>
<td>2 x 2</td>
<td>0.0</td>
</tr>
</tbody>
</table>

**Total Points Earned**  42.3

**Total Credits**  17.0

**GPA**  \[
\text{GPA} = \frac{\text{Points Earned}}{\text{Credits}} = \frac{42.3}{17.0} = 2.49
\]

*Only courses taken at Borough of Manhattan Community College are computed in the cumulative Grade Point Average.*

**GRADING POLICY**

**Absences**

At BMCC, the maximum number of absences is limited to one more hour than the number of hours a class meets in one week. For example, you may be enrolled in a four credit class that meets four times a week totaling four hours. You are allowed five hours of absence (not five days). In the case of excessive absence, the instructor has the option to lower the grade or assign an "F" or "WU" grade.

**Class Attendance**

If you do not attend class at least once in the first three weeks of the course and once in the fourth or fifth weeks, the Office of the Registrar is required to assign a grade of WU. Attendance in both regular and remedial courses is mandated by policy of the City University of New York. Instructors are required by New York State law to keep an official record of class attendance.

**Lateness**

Classes begin promptly at the times indicated in the Schedule of Classes. Arrival in classes after the scheduled starting time constitutes a lateness. Latecomers may, at the discretion of the instructor, incur an official absence.

**F/C- and Lower Grade Policy**

The following is the current college policy regarding the retaking of courses for which a student has already received a grade of C- or below.

1. When an undergraduate student receives an earned academic grade of "F" or an administrative failing grade the student subsequently retakes the course and receives a higher grade, the initial grade of "F" will no longer be computed into the grade-point average. The "F" grade, however, will remain on the transcript.

2. In addition to the "F" grade policy, BMCC's policy provides students the option of repeating any course with a grade which carries less than 2.0 quality points; this includes C-, D+, D, D-. This policy allows any later higher grade for the retaken course to forgive the earlier grade. Thus the student receives credit for the reported course. For example:
If a student receives a D− in a course and retakes the course and receives a D+, the D+ will replace the D− in the student’s GPA. However, the D− will remain on the student’s transcript. (If the grade for the retaken course is the same or lower than the previous grade, then the credits will not count toward the student’s degree but will count in the GPA.) While BMCC and other colleges have initiated a variety of changes to CUNY’s original policy, the number of “retaken” credits that can be deleted from the grade-point average shall be limited to 16 for the duration of the student’s undergraduate enrollment in any institution in the City University of New York. This policy is applicable to grades earned after September 1, 1984.

Students should remember that repeating a course may limit their ability to meet the satisfactory academic performance requirements for receipt of Federal financial aid. Also, repeating courses for which students have already received an acceptable passing grade may not be included as part of student’s minimum full-time or part-time course load for Federal and State financial aid purposes.

R Grade Policy
For remedial courses, no student may receive a grade of “R” more than once for the same course. A letter grade other than “R” must be assigned the second time that course is taken.

NC Grade
An “NC” grade can be assigned to a first semester freshman who has completed a course with a “D” (with the student’s permission) or an “F” grade. An “NC” grade can also be assigned to a Nursing course one time only during the 2nd-4th clinical semesters, when a student has earned a grade lower than “C.” Students who transfer to another institution should note that “NC” grades may be treated as “F” grades.

See Notification of College Policy regarding absence for religious purposes, p. 123.

Appeal of Grades
You may make a request to change a final earned grade issued by an instructor. Grades “A” through “U” are earned grades (see Grading System on pp. 111-112).

Only the instructor who issued the grade can change it; however, the following steps are available for further review:

- The chairperson of the department
- The Committee on Academic Standing (CAS). You must submit an “Appeal to the Committee on Academic Standing” form. The form is available at the Registrar’s Office. (The Committee may make a recommendation to the Dean of Academic Affairs after first consulting with the instructor and the Department Chairperson.)
- The Dean of Academic Affairs.

NOTE: The deadline for appealing past grades is one year after the end of the semester in which the grades were issued.

Repeating of C or Better Courses
You should not repeat a course if a passing grade of C or better has been received or if transfer credit has been accepted for a course completed at another institution. However, if you repeat a course for which you have received an earned grade of C or better, you can only receive a grade of “REP” for the repeated course and credit will not be awarded.

Academic Standing
While enrolled at BMCC, your academic performance is continually evaluated in order that you and the College can determine how you are progressing in your studies. Your evaluation is based upon your cumulative Grade-Point Average (GPA). The following minimum retention standards must be met:

<table>
<thead>
<tr>
<th>Cumulative Credits Attempted</th>
<th>Minimum Cumulative Grade Point Average (GPA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-12</td>
<td>1.50</td>
</tr>
<tr>
<td>13-24</td>
<td>1.75</td>
</tr>
<tr>
<td>25-upward</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Transcripts of Academic Record
Each semester you may call a number to receive your semester grades and your cumulative GPA. In addition, an official transcript of your academic record can be forwarded to any institution or agency if you submit a written request to the Registrar’s Office two weeks before
the transcript is needed. Official transcripts bear the College seal and signature of the Registrar and are not issued to students or alumni. There is a $4 fee for each transcript mailed and payment is made directly to the Bursar's Office. The Bursar's Office issues a receipt of payment which you must submit to the Registrar's Office with your transcript request form. There is no charge to send official transcripts to any CUNY college. If you pay by cash or money order, your transcripts are mailed within one week of the request. Transcript requests that are paid by personal check are held for 10 business days before processing, in order for the check to clear the bank. Partial transcripts of your work are not issued. The College reserves the right to withhold all information on the record of any student who has not fulfilled financial and other responsibilities to the College, including payment of student loans.

Official transcripts of work taken at other institutions (including high school) which were presented for admission or for evaluation of credit become the property of the college and cannot be copied or reissued. If a transcript of this work is needed, it should be obtained directly from the other institution.

Graduation Requirements *
To be eligible for graduation from BMCC, you must:
1. successfully complete all the required courses and credits in your program of study;
2. earn at least a 2.0 GPA;
3. complete at least 32 credits in residence, if you are an advanced standing student;
4. submit an application for graduation to the Registrar's Office at the time that you register for your graduating semester;
5. fulfill all financial obligations to the College;
6. pass CUNY Writing Assessment Test;**
7. complete all College Preparatory Initiative (CPI) requirements.

** Effective Fall 1999 all new first time freshmen admitted to a degree program are required to pass the University Proficiency Examination to graduate from associate degree programs, transfer into a senior college and advance from the lower division to the upper division of a senior college. In addition, effective Fall 2000 all transfer students entering degree programs are required to pass the University Proficiency Examination.

The CUNY Proficiency Exam replaces the CUNY Reading Assessment Test and the CUNY Writing Assessment Test (freshman skills assessment program) for these purposes. Exemptions may be granted: a) to students holding bachelor's or other advanced degrees from an accredited institution; b) for accommodations to comply with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act.

The University will administer The Proficiency Examination at the colleges several times each year. For information concerning the examination, students should consult the testing office (N700) (212) 346-8385

Transfer For Further Education
Upon graduating from BMCC, you are guaranteed the right to transfer to a CUNY institution provided you meet the standards of proficiency established by the City University of New York.

Your BMCC credits are accepted toward further study as long as you pursue the baccalaureate degree in the same curriculum you studied at BMCC. If you change your curriculum, please be advised that some courses may not be transferred toward your baccalaureate degree because each CUNY college has individual B.A. or B.S. degree requirements.

*Your Graduation semester will be the end of the semester in which you finish all of your course work or file for graduation, whichever is later. Graduation requirements are subject to change without notice any time at the discretion of the administration and the board of trustees of the city university of New York.

For detailed information, contact a Transfer Advisor in the Advisement/Transfer Center, Room S731, (212) 346-8898.
HONORS AND AWARDS

Dean’s List
The Office of the Vice President of Academic Affairs places students with a semester Grade-Point Average of 3.3 or better on the Dean’s List. You must meet the following qualifications to be a recipient of this honor (no Dean’s List certificates are awarded for courses taken during the Summer Session):

- You must be matriculated.
- You must be registered in credit-bearing courses.
- Full-time students must complete 12 or more credits in one semester.
- Part-time students must complete 12 or more credits in two consecutive semesters.

*Passing earned grades (only A through D) in credit-bearing, non-remedial courses are counted for eligibility on the Dean’s List.*

Graduating With Honor
Students who graduate with a cumulative 3.30 GPA or better are designated as Graduating With Honor.

Presidential Award
The President of the College presents this award to the full-time student who has exhibited qualities of leadership, academic excellence and popularity among the students and faculty.

The Dean’s Award
The Dean of Academic Affairs presents this award to the full-time student graduating “With High Distinction” (the highest cumulative Grade-Point Average).

The Dean of Student’s Award
This award is presented by the Dean of Students to the student deemed to have outstanding citizenship and dedication to the College Community.

Borough of Manhattan Community College Fund, Inc. Scholarships
These scholarships are awarded to two categories of students:

(a) To entering freshmen with high school averages of at least 85%.
(b) To continuing BMCC students who have at least

a 3.00 g.p.a.; who maintain a full-time course load, who have completed at least one semester with at least 12 content credits prior to application, and demonstrate financial need.

Applications are available from the offices of: the Vice President for Student Affairs, Room S343; the Counseling Center, Room S330; and the Financial Aid Office, Room N340.

Josh Wolfson Accounting Scholarship
The Josh Wolfson Accounting Scholarship is awarded annually to a full-time Accounting graduate from Borough of Manhattan Community College. The scholarship, named in honor of professor Josh Wolfson of the Accounting department, is awarded in recognition of academic achievement and excellence in accounting, and is funded from an endowment established by Mr. Danny Chon, an alumnus of BMCC.

Ellsworth Janifer/Aaron Benjamin Memorial Awards
The Black Faculty and Staff Association of BMCC, in honor of its past presidents, Dr. Aaron Benjamin (former member of the Modern Languages Department) and Dr. Ellsworth Janifer (former chairperson of the Music and Art Department), presents Commemorative Scholarship Awards to graduating students. The awards are in the following categories: Ideals of Ellsworth Janifer/Aaron Benjamin, Academic Excellence, Contribution to the College Community, and Contribution to the Black Community.

Martin B. Dworkis Memorial Award
This commemorative award, in honor of Martin B. Dworkis, the first President of BMCC, is presented to the athlete with the highest cumulative Grade Point Average.

Alexander Morrissey Award
A commemorative scholarship in honor of the late A. Alexander Morrissey, who was Director of Community Relations at BMCC, is awarded each year by the English Department for excellence in journalism.

Roger B. Dooley Award
The Roger B. Dooley Award for creative writing is a commemorative award in honor of the late Roger B.
Honors and Awards

Dooley, the first chairperson and long-standing member of BMCC’s English Department.

Billie Ehrenberg Award
The Billie Ehrenberg Award for general excellence in English is a commemorative award in honor of the late Billie Ehrenberg, assistant professor of the English Department.

Louis and Caroline Salit Award
A commemorative award in honor of Louis and Caroline Salit is presented for Excellence in French.

Phi Theta Kappa International Society
Phi Theta Kappa is the international honor society of two-year institutions. Membership is by invitation after a student achieves a 3.5 grade point average on completing 12 credits at BMCC. The society is recognized by the American Association of Community Colleges as the official honor society of two-year colleges.

Departmental Honors
Each academic department of the College presents awards and honors to graduates who have exhibited significant achievements in their studies.

Honors Program
The Honors Program at BMCC provides eligible students with academic challenges beyond the normal parameters of a course’s requirements. Qualified students, working in close conjunction with a faculty member, on an honors Committee approved project, extend their knowledge of the theoretical or practical aspects of the course and develop or enhance their writing, critical thinking, analytical, and problem solving skills. For further information about the Honors Program, contact the Office of Academic Affairs, S720, telephone: (212) 346-8826/27.

THE LIBRARY
The A. Philip Randolph Memorial Library is BMCC’s central source for information and research. The large modern facility serves the needs of the entire College community. Located on the fourth floor, overlooking the Hudson River and New York harbor, the library has a seating capacity for 600 students at tables and individual study carrels and a shelving capacity for 100,000 volumes. The 6,000 volume Reference Collection includes encyclopedias, dictionaries, indexes, bibliographies, a wide range of other basic reference books, and a number of new reference sources in microform and CD-ROM. The Reserve Collection has required reading materials. Currently, the Periodicals section has over 700 magazines, newspapers and scholarly journals. Microfilm reader/printers enable students to read the 14,000 reels of microfilm that make up the backfile of the Periodicals Collection. In addition, a growing collection of audio/video software is available to faculty for classroom use. A valid College ID permits students to borrow books from the General Collection.

The Library conducts orientation lectures for both beginning and advanced students and it publishes a handbook (available free to all visitors) describing its facilities and services.

Library Hours
Monday to Friday 8:00 AM - 9:00 PM
Saturday 10:00 AM - 5:00 PM

Recreation and Athletics
The Office of Athletics, Recreation and Intramurals provides an opportunity for BMCC students to participate in intercollegiate and intramural activities. Intercollegiate sports are formal intensive athletic programs for students who are interested in joining a team to compete with other colleges. BMCC’s teams include baseball, men’s and women’s basketball, swimming, tennis and more. Interested students should contact the Office of Athletics, Recreation and Intramurals, Room N210. The leisure program is comprised of diversified physical, intellectual and social activities that allow students, faculty, staff and the community-at-large the opportunity to participate in a variety of leisure pursuits that are congruent with the particular lifestyles. Participants may satisfy their leisure needs by participating in formal classes (non-credit) that emphasize individual instruction or by engaging in informal, self-paced activity. The leisure program sponsors classes in dance, gymnastics, karate, physical fitness, swimming, tennis and weight training. Special events include the annual Harold Solomon Jr. 5K Run, the Swimming Festival, the Dance Festival, the Mr. & Ms. BMCC Body Building Contest, and ski outings (in conjunction with Student Activities). Participants can attend intercollegiate athletic events free of charge.
THE ALUMNI ASSOCIATION
The goal of the Alumni Association is to provide a variety of services for all BMCC graduates. The Office of Alumni Affairs has the responsibility for the day-to-day administration of those services and related alumni activities in cooperation with the elected officials of the Alumni Association. For more information, contact Ms. Edna Harpaul, director of development and Alumni Affairs, room S746, (212) 346-4474 or eharpaul@bmcc.cuny.edu.

RULES AND REGULATIONS
See Notification of College Policy regarding absence for religious purposes, p. 123.

Repeating Courses
Students may not repeat a course if a passing grade has been received or if transfer credit has been accepted for a course completed at another institution.

Transfer Credits
Advanced standing students, once they are admitted and registered at BMCC, may have earned credits from another institution transferred to BMCC, provided they have departmental approval. BMCC students taking courses at other CUNY colleges and BMCC students who have not attended the College recently must contact the Admissions Office for transfer credit procedures and evaluation.

Academic Probation
Students are placed on academic probation if their GPA falls below minimum retention standards. During the probationary period, students maintain their academic standing with the College but are limited to 12 credits until they attain the minimum required GPA (see Academic Standing, p. 113).

Dismissal
Students whose GPA falls below minimum retention standards for two semesters are academically dismissed. Academically dismissed students may not attend BMCC or any CUNY college for at least one semester.

Appeal of Dismissal
Academic dismissal may be appealed by writing to the Committee on Academic Standing. Documentary evidence in support of the appeal and/or written recommendation from a college counselor/academic advisor may be submitted. Appeal forms are available in the Registrar’s Office.

Readmission After Academic Dismissal
Academically dismissed students may be readmitted to the College on probation if the student:
1. was academically dismissed once;
2. has not attended BMCC for at least one semester;
3. has a cumulative grade point average of 1.8 or more;
4. files a readmission application with the Admissions Office.

The Committee on Academic Standing reviews all applications from any student with a GPA below 1.8 who has 45 credits or more. Students who are academically dismissed twice are not readmitted to BMCC.

WITHDRAWAL FROM THE COLLEGE
For any reason, if you do not wish to continue your studies at BMCC, obtain and file the official “Withdrawal From Class(es)” forms with the Registrar’s Office. DO NOT DROP OUT OR WITHDRAW FROM CLASSES WITHOUT FILING THE APPROPRIATE FORM. If you unofficially withdraw, you will receive a "WU" or "F" grade which is computed in your cumulative grade-point average as "F." The date the form is filed is the official withdrawal date, not the day you stop attending classes. You have until the tenth week of classes to officially withdraw from the College with a "W" or "WF" grade. After the tenth week, withdrawal from the College will not be accepted.

Students who completely withdraw from the College will not be eligible for TAP or STAP the following semester.

Rules and Regulations for the Maintenance of Public Order
Pursuant to Article 129-A of the Education Law
HENDERSON RULES
The tradition of the University as a sanctuary of academic freedom and center of informed discussion is an honored one, to be guarded vigilantly. The basic significance of that sanctuary lies in the protection of intellectual freedoms: the rights of professors to teach, of scholars to engage in the advancement of knowledge, of students to learn and to express their views, free from external pressures or interference. These freedoms can flourish only in an atmosphere of mutual respect, civility, and trust among teachers and students, only when members of the University community are willing to accept self-restraint and reciprocity as the condition upon which they share in its intellectual autonomy.

Academic freedom and the sanctuary of the University campus extend to all who share these aims and responsibilities. They cannot be invoked by those who would subordinate intellectual freedom to political ends, or who violate the norms of conduct established to protect that freedom. Against such offenders the University has the right, and indeed the obligation, to defend itself. We accordingly announce the following rules and regulations to be in effect at each of our colleges which are to be administered in accordance with the requirements of due process as provided in the Bylaws of the Board of Higher Education.

With respect to enforcement of these rules and regulations we note that the Bylaws of the Board of Higher Education provide that:

"THE PRESIDENT. The president, with respect to his/her education unit, shall:

a. Have the affirmative responsibility of conserving and enhancing the educational standards of the college and schools under his/her jurisdiction;

b. Be the advisor and executive agent of the Board of his/her respective College Committee and as such shall have the immediate supervision with full discretionary power in carrying into effect the Bylaws, resolutions, and policies of the Board, the lawful resolutions of any of its committees and the policies, programs and lawful resolutions of the several facilities;

c. Exercise general superintendence over the concerns, officers, employees, and students of his/her educational unit."

Rules
1. A member of the academic community shall not intentionally obstruct and/or forcibly prevent others from the exercise of their rights. Nor shall he/she interfere with the institution's educational processes or facilities, or the rights of those who wish to avail themselves of any of the institution's instructional, personal, administrative, recreational, and community services.

2. Individuals are liable for failure to comply with lawful directions issued by representatives of the University/College when they are acting in their official capacities. Members of the academic community are required to show their identification cards when requested to do so by an official of the college.

3. Unauthorized occupancy of University/College facilities or blocking access to or from such areas is prohibited. Permission from appropriate college authorities must be obtained for removal, relocation, and use of University/College equipment and/or supplies.

4. Theft from, or damage to University/College premises or property, or theft of or damage to property of any person on University/College premises is prohibited.

5. Each member of the academic community or an invited guest has the right to advocate his/her position without having to fear abuse, physical, verbal, or otherwise, from others supporting conflicting points of view. Members of the academic community and other persons on the college grounds shall not use language or take actions reasonably likely to provoke or encourage physical violence by demonstrators, those demonstrated against, or spectators.

6. Action may be taken against any and all persons who have no legitimate reason for their presence on any campus within the University/College, or whose
presence on any such campus obstructs and/or forcibly prevents others from the exercise of their rights or interferes with the institution’s educational processes or facilities, or the rights of those who wish to avail themselves of any of the institution’s instructional, personal, administrative, recreational, and community services.

7. Disorderly or indecent conduct on University/College-owned or controlled property is prohibited.

8. No individual shall have in his/her possession a rifle, shotgun, or firearm or knowingly have in his/her possession any other dangerous instruments or material that can be used to inflict bodily harm on an individual or damage upon a building or the grounds of the University/College without the written authorization of such educational institution. Nor shall any individual have in his/her possession any other instrument or material which can be used and is intended to inflict bodily harm on any individual or damage upon a building or the grounds of the University/College.

9. Any action or situation which recklessly or intentionally endangers mental or physical health or involves the forced consumption of liquor or drugs for the purpose of initiation into or affiliation with any organization is prohibited.

10. The unlawful manufacture, distribution, dispensation, possession, or use of illegal drugs or other controlled substances by University employees in the workplace, or the performance by University employees in the workplace of any work while under the influence of an unlawfully obtained controlled substance, is prohibited. Employees of the University must also notify the College Personnel Director of any criminal drug statute conviction for a violation occurring in the workplace not later than five (5) days after such conviction.

11. The unlawful possession, use, or distribution of alcohol by students or employees on University/College premises or as part of any University/College activities is prohibited.

Penalties

1. Any student engaging any manner in conduct prohibited under substantive Rules 1-9 shall be subject to the following range of sanctions as hereafter defined in the attached Appendix: admonition, warning, censure, disciplinary probation, restitution, suspension, expulsion, ejection, and/or arrest by the civil authorities.

2. Any tenured or non-tenured faculty member, or other member of the instruction staff or member of the classified staff engaging in any manner of conduct prohibited under substantive rules 1-11 shall be subject to the following range of penalties: warning, censure, restitution, fine not exceeding those permitted by law or by the Bylaws of The City University of New York or suspension with/without pay pending a hearing before an appropriate college authority, dismissal after a hearing, ejection, and/or arrest by the civil authorities, and, for engaging in any manner in conduct prohibited under substantive rule 10, may, in the alternative, be required to participate satisfactorily in an appropriately licensed drug treatment or rehabilitation program. A tenured or non-tenured faculty member or other member of the instructional staff, or member of the classified staff charged with engaging in any manner in conduct prohibited under substantive Rules 1-11 shall be entitled to be treated in accordance with applicable provisions of the Education Law or the Civil Service Law or the applicable collective bargaining agreement, or the Bylaws or written policies of The City University of New York.

3. Any visitor, licensee, or invitee, engaging in any manner in conduct prohibited under substantive Rules 1-11 shall be subject to ejection, and/or arrest by the civil authorities.

4. Any organization which authorized the conduct prohibited under substantive rules 1, 9 and 10 shall have its permission to operate on campus rescinded.

Penalties 1-4 shall be in addition to any other penalty provided by law or The City University Trustees.
APPENDIX
Sanctions defined:
A. Admonition. An oral statement to the offender that he/she has violated University rules.

B. Warning. Notice to the offender, orally or in writing, that continuation or repetition of the wrongful conduct, within a period of time stated in the warning, may cause far more severe disciplinary action.

C. Censure. Written reprimand for violation of specified regulation, including the possibility of more severe disciplinary sanction in the event of conviction for the violation of any University regulation within a period stated in the letter of reprimand.

D. Disciplinary Probation. Exclusion from participation in privileges or extracurricular University activities as set forth in the notice of disciplinary probation for a specified period of time.

E. Restitution. Reimbursement for damage to or misappropriation of property. Reimbursement may take the form of appropriate service to repair or otherwise compensate for damages.

F. Suspension. Exclusion from classes and other privileges or activities as set forth in the notice of suspension for a definite period of time.

G. Expulsion. Termination of student status for an indefinite period. The conditions of readmission, if any, are permitted, shall be stated in the order of expulsion.

H. Complaint to Civil Authorities.

I. Ejection.

THE UNIVERSITY POLICY ON DRUG AND ALCOHOL EDUCATION:
RESOLVED, That the University Policy on Drug and Alcohol Education, adopted by the Board of Trustees of The City University of New York on March 30, 1987, be amended to read as follows: The City University affirms its continuing commitment to drug and alcohol education on campus. The University is committed to the development and conduct of educational and support programs directed toward the use and abuse of drugs and alcohol, both legal and illegal. Implementation of this policy, which provides the framework for educational and support programs directed toward the use and abuse of drugs and alcohol, is the responsibility of the individual colleges consistent with their governance plans and established disciplinary procedures. Each of the individual colleges shall incorporate into its program the annual distribution to each student and employee of the standards of conduct that prohibit the unlawful possession, use, or distribution of illicit drugs and alcohol on the college’s property or as part of college activities and a statement of the sanctions for violation; a description of the applicable local, State, and Federal legal sanction for the unlawful possession or distribution of illicit drugs and alcohol; a description of the health risks associated with the use of illicit drugs and the abuse of alcohol; and a description of any drug or alcohol-related counseling, treatment, rehabilitation, or re-entry programs available to students or employees. Each college shall review the effectiveness of its program at least once every two years, implementing such changes as may be necessary.

Explanation: The Federal Drug-Free Workplace Act of 1988 and its implementing regulations require that a recipient of a Federal grant approved and awarded after March 18, 1989 “certify to the contracting agency that it will provide a drug-free workplace” by complying with certain statutory requirements. The requirements are the publication and circulation to employees of a drug abuse policy that prohibits the unlawful manufacture, distribution, possession, and use of unlawful drugs in the workplace; specifies the penalties for violation of the policy; conditions employment upon employee willingness to abide by the policy; and requires employees to notify the employer of drug-related criminal convictions for unlawful conduct which occur in the workplace. The Council of Presidents and collective amendments, which will bring the University into compliance with the Drug-Free Workplace Act of 1988. Although these amendments apply only to employees of the University, Section 15.1 of the University Bylaws provides that students of the University “shall obey the laws of the City, State, and Nation.” Students are
thus already prohibited from engaging in conduct of the nature that is prohibited by proposed substantive rule 10.

Adoption of these amendments will also complement the University's commitment, as reflected in March 30, 1987, to the development and conduct of educational and support programs directed toward the use and abuse of drugs and alcohol, both legal and illegal.

**DRUG-FREE CAMPUS**

**POLICY AND STANDARDS OF CONDUCT**

Borough of Manhattan Community College of The City University of New York affirms its continuing commitment to drug, tobacco, and alcohol education on campus. It is committed to the development of educational and support programs directed toward the use and abuse of drugs, tobacco, and alcohol, whether legal or illegal.

The inappropriate use of alcohol and other drugs threatens the health and safety of students, employees, their families, fellow students, the general public, as well as adversely impairs performance. Towards promoting health, safety, and a positive learning and working environment, Borough of Manhattan Community College of The City University of New York is committed to preventing alcohol and other drug-related problems among all members of the College community.

The unlawful possession, use or distribution of alcohol or other drugs by anyone, either on College property or at College-sponsored activities, is prohibited. Any person who is determined to have violated this policy will be subject to intervention by College officials.

As a condition of employment, an employee of Borough of Manhattan Community College of The City University of New York must notify his/her supervisor if he or she is convicted of a drug-related offense involving the workplace within (5) days of conviction. The College is required to notify the appropriate granting or contracting federal agency within ten (10) days of receiving notice of any such conviction. (Drug-Free Workplace Act of 1988. 34 CFR Part 88, Subpart F.)

This policy and its requirements are consistent with the College’s desire to promote health and safety and are in accordance with the requirements of the Drug-Free Workplace Act of 1988 and the Drug-Free School and Communities Act Amendments of 1989.

Students are expected to comply with the Rules of Conduct printed in the College Bulletin and/or the Student Handbook. A student who is experiencing difficulty with alcohol or chemical dependency may be referred to the Dean of Students or to Prof. Milton Stubbs, the Substance Abuse Counselor located in the Counseling Center, Room S335. Students may also be referred by members of the instructional staff or may seek assistance directly. The Dean of Students may take disciplinary action or recommend that the student meet with a counselor for appropriate referral or assistance through self-help organizations or other outside intervention agencies.

**STUDENT DISCIPLINARY PROCEDURES**

The following information is derived from Section 15.3-15.5 of the Bylaws of the Board of Higher Education:

Section 15.3 Student Disciplinary Procedures

A. Any charge, accusation or allegation which is presented against a student, and which if proved, may subject a student to disciplinary action, must be submitted in writing in complete detail to the Office of the Dean of Students promptly by the individual, organization, or department making the change.

B. Notice of the charge shall be personally delivered or sent by the Dean of Students to the student at the address appearing on the records of the College, registered or certified mail, and shall contain the following:

1. A complete and itemized statement of the charges being brought against the student including the rule, bylaw or regulation he/she is charged with violating, and possible penalties for such violation.

2. The time, the date (which shall be as soon as practicable) and the place of meeting with a counselor from the Office of the Dean of Students or a qualified faculty member designated by the Dean of Students.
3. The student shall be advised of his/her rights in the proceedings and possible consequences. Specifically the notice shall include:

   a. A warning that anything he/she may say at this meeting may be used against him/her at a non-college hearing; therefore, he/she may have legal counsel present to advise him/her.

   b. A statement of his/her right to remain silent without assumption of guilt.

   c. A statement that the counselor is precluded from testifying in a college hearing regarding information received during the interview.

C. At the meeting with the counselor in the Office of the Dean of Students, the following procedure shall be in effect, and the final decision resulting from it is the sole responsibility of the Dean of Students:

1. An effort will be made to resolve the charges by mutual agreement and where warranted to agree on the disciplinary action to be taken.

2. The counselor, if an agreement is reached, shall report his/her recommendations to the Dean of Students for affirmation and the complainant shall be so notified.

3. If no agreement is reached, or if the complainant or the student so requests, or if the student fails to appear, a hearing will be scheduled before the Faculty-Student Disciplinary Committee.

D. The student shall be informed in writing by registered or certified mail or by personal service of the hearing with sufficient particularity of the charges and of the time and place of hearing. Notice of at least five school days shall be given to the student in advance of the hearing unless the student consents to an earlier hearing. The notice shall advise the student of his/her right to have legal counsel and witnesses participate in the hearing.

E. At the hearing, before the Faculty-Student Disciplinary Committee, the following procedure shall apply:

1. The specific charges shall be read to the student. If the student admits to the charges, the student shall have an opportunity to explain his/her actions before the Committee shall decide on the penalty. If the student denies the charge or is silent, the hearing must continue, the accusing party proceeding first. Both sides may introduce evidence and cross-examine witnesses.

2. The College shall make a record of each disciplinary hearing by some means such as a stenographic transcript, a tape recording or the equivalent. The disciplined student is entitled, upon request, to a copy of such a transcript without cost.

3. The student shall have the option of a closed hearing or the right to request an open public hearing. However, a majority of the Committee shall have the right to hold a closed hearing when an open hearing would adversely affect and be disruptive of the Committee's normal operations.

F. The student shall be sent a copy of the Committee's decision which shall be final subject to the student's right of appeal.

G. The Faculty-Student Disciplinary Committee shall consist of two faculty and two student members plus a chairperson. The faculty members shall be selected by lot from a panel of six elected annually by the appropriate faculty body from among the persons having faculty rank or faculty status. The student members shall be selected by lot from a panel of six elected annually in an election in which all students registered at the College shall be eligible to vote. In the event that the student or faculty panel, or both are not elected, or if more members are needed, the President shall have the duty to select the panel or panels which have not been elected. No individuals
of the Panel shall serve more than two consecutive years. The President shall select in consultation with the head of the appropriate campus governance body or where the president is the head of the governance body, its executive committee, three (3) members of the instructional staff of that college to receive training and to serve in rotation as chair of the disciplinary committee. If none of the chairpersons appointed from the campus can serve, the president, at his/her discretion, may request that a chairperson be selected by lottery from the entire group of chairpersons appointed by other colleges. The chairperson shall preside at all meetings of the faculty/student disciplinary committee and decide and make all ruling for the committee. He/she shall not be a voting member of the committee but shall vote in the event of a tie. A quorum shall consist of the chair and any two members. Persons who are to be participants in the hearing as witnesses or have been involved in preferring charges or who may participate in appeals procedures or any other person having a direct interest in the outcome of the hearing shall be disqualified from serving on the committee. A lawyer form the General Counsel’s Office of the Board may be present to act as legal advisor to the Committee.

Appeals
An appeal from the decision of the Faculty–Student Disciplinary Committee may be made to the President who may confirm or decrease the penalty but not increase it. His/her decision of dismissal or suspension for more than one term may be made to the appropriate Committee of the Board. Any appeal under this Section shall be made in writing within 15 days after the delivery of the decision appealed from. This requirement may be waived in a particular case for good cause by the President or Board Committee as the case may be. If the President is a party to the dispute, his/her functions with respect to an appeal shall be discharged by an official of the University to be appointed by the Chancellor.

Suspension or Dismissal
The Board reserves full power to dismiss or suspend a student, or suspend a student organization for conduct which impedes, obstructs, or interferes with the orderly and continuous administration and operation of any college, school, or unit of the University in the use of its facilities or in the achievement of its purposes as an educational institution.

A President, Vice President or full Dean may, in emergency or extraordinary circumstances, temporarily suspend a student organization group for cause, pending an early hearing as provided in Bylaws 15.3 to take place within not more than seven school days.

Religious Beliefs & Class Attendance Education Law Section 224-a provides:
1. No person shall be expelled from or be refused admission as a student to an institution of higher education for the reason that he/she is unable, because of religious beliefs, to attend classes or to participate in any examination, study or work requirements on a particular day or days.

2. Any student in an institution of higher education who is unable, because of religious beliefs, to attend classes on a particular day or days shall, because of such absence on the particular day or days, be excused from any examination or any study or work requirements.

3. It shall be the responsibility of the faculty and of the administrative officials of each institution of higher education to make available to each student who is absent from school, because of his/her religious beliefs, an equivalent opportunity to make up any examination, study or work requirements which he/she may have missed because of such absence on any particular day or days. No fees of any kind shall be charged by the institution for making available to the said student such equivalent opportunity.

4. If classes, examinations, study or work requirements are held on Friday after four o’clock post meridian or on Saturday, similar to makeup classes, examinations, study or work requirements shall be made available on other days, where it is possible and practicable to do so. No special fees shall be charged to the student for these classes, examinations, study or work requirements held on other days.

5. In effectuating the provisions of this section, it shall be the duty of the faculty and of the administrative
officials of each institution of higher education to exercise the fullest measure of good faith. No adverse or prejudicial effects shall result to any student because of availing himself of the provisions of this section.

5. Any student, who is aggrieved by the alleged failure of any faculty or administrative officials to comply in good faith with the provisions of this section, shall be entitled to maintain an action or proceeding in the Supreme Court of the county in which such institution of higher education is located for the enforcement of his/her rights under this section.

Campus Behavior Code
In order to ensure the continuance and enhancement of the positive image and reputation of all members of the College community and in the interest of promoting student and faculty welfare at the College and the safety and security of our entire College community, the following Code of Behavior is in effect:

Gambling and the sale possession of drugs, including marijuana, are illegal by New York State law. Violators will be subject to disciplinary action and/or referral to outside authorities.

Any student who does not show his or her ID card upon a legitimate request will be considered a trespasser.

Alcoholic beverages are not permitted at any College (department or program) event to which students are invited or expected to participate.

Any form of cheating is prohibited. Any student violating the code of behavior or any law or regulation established by the College, and by the city, state or federal government (including the use of drugs) shall be subject to formal disciplinary procedures as outlined in Articles 15.3 to 15.5 of the Board of Higher Education Bylaws and sanctions as listed in the Board of Higher Education Bylaws and Article 129A of the Education Law. The initiation of disciplinary procedures requires a predisiplinary hearing before a counselor from the Office of the Dean of Students as set up in line with the requirements of the Bylaws of the Board of Trustees immediately following an incident which is judged to be an infraction of law or Behavior Code to determine whether or not the case should be referred to the Student-Faculty Discipline Committee. As a result of emergency or extraordinary circumstances, a student may be suspended for a period not to exceed seven (7) school days. A hearing must be held within that same time period unless the student agrees or consents to an extension of the time.

If the charges are of sufficient nature and have not been settled at the predisiplinary hearing, a formal hearing will be scheduled before the Faculty-Student Discipline Committee as specifically outlined in Article 15.3 of the Bylaws of the Board of Trustees.

Students as a result of this hearing or failure to appear at the hearing may be subject to immediate and permanent suspension which may apply to all units of the City University of New York. All students involved will be advised of the various levels of appeal under the Bylaws of the Board of Education.

Damage to College Equipment
Any student who damages any school equipment is required to pay the costs of repair or replacement.

**STUDENT RECORDS POLICY**
The Federal Education Rights and Privacy Act of 1974 (the "FED"") and regulations pursuant thereto grant present or former students the right to be informed of the following:

1. The types of student records, the information contained therein, the official having custody and the location of the educational records which are maintained by the College, the Central Office, the University Processing Center and the Office of Admission Services, provided such records are not otherwise excluded from mandatory access by the provisions of the Act.

2. The procedures for granting student inspection and review of records and the method of appeal where a request for access is denied.

3. A fee of 25 cents per page may be charged for each uncertified copy of records requested by a student.

4. The procedures for correcting, challenging or expunging student records which are misleading.
inaccurate or in violation of a student’s rights, i.e., the right to a hearing and the right to file a written statement disagreeing with any decision which denies the student’s right to challenge the complained of information.

5. Unless requested by a student who has made an appropriate request, directory information (student’s name, attendance dates, telephone listing, home address, present address, major minor fields of study, degree and awards received) will not be released by the College except to agencies exempted under the law.

6. The circumstances under which educational records may be furnished or access permitted to records without the prior consent of the student.

7. Personally identifiable information protected under this Act may be disclosed provided the student has signed an appropriate consent form; the student is provided with a copy of the released information, and the party to whom the information is released is advised of the limitations for reusing such information.

8. Access to records by parents of students is restricted by the provisions of the Act.

9. The Registrar shall maintain a record of each request for disclosure of a student’s record; the Registrar’s record shall be made available to the student upon request.

10. Only the student may waive his or her rights under the Act, provided such waiver is in writing; revocation of the waiver must also be in writing.

11. A copy of the Student Records Policy and the specific guidelines and regulations may be obtained from the Dean of Students, Registrar or Chief Librarian.

12. A student who believes that his or her rights under the Act or regulations thereunder have been violated may submit a complaint in writing to:

   The Family Educational Rights and Privacy Act
   Office 330
   Independence Avenue SW
   Washington D.C. 20201

The foregoing information is intended only as a general description of student rights under the Act and policy of the College. Students requiring more specific information regarding procedures or guidelines for release of records are advised to consult with the Dean of Students or the Registrar.

Withholding Student Record Data
"According to University policy, a student who is financially delinquent or in default of any of their financial accounts at the College, University, or other agency of the State or Federal Government for which the College is an agent, will not be permitted to complete registration, or be issued a copy of their grades, a transcript, certificate or degree, nor receive funds under any campus based student assistance program. (University Report, Fiscal Affairs, Section CIV, April 23, 1979.)"

IMMUNIZATION REQUIREMENTS
New York State Public Health Law #2165 requires that beginning with the Fall 1990 semester, students attending college must demonstrate proof of immunity against Measles, Mumps and Rubella (German Measles).

The College will begin disciplinary proceedings in accordance with Board Bylaws, section 15.3, against all students who fail to comply with Public Health Law #2165.

As a result of outbreaks of measles and other preventable diseases on campuses throughout New York State, Governor Mario Cuomo, in July of 1989, signed a bill requiring college students to present a record of immunization against Measles, Mumps and Rubella.

If you have immunization records, please bring them to Student Health Services (Room N303) to be validated. You can not register unless records are complete.

If you do not have records proving immunization, you must complete your records prior to registering for any classes and can do so by selecting the one category from the list below that best fits your needs:

1. Two (2) separate dates for (2) separate measles, mumps and rubella (MMR) shot (AT LEAST 30 DAYS APART).
2. One (1) MMR followed by one (1) separate measles shot (AT LEAST 30 DAYS APART).

3. Proof of U.S. education after 1980 from primary or secondary school only (i.e. one full year's report card for primary school or H.S. diploma or transcript from a secondary school) and one new MMR shot (GIVEN LESS THAN ONE (1) YEAR AGO).

4. Blood titre results (blood test) indicating positive immunity to measles, mumps, and rubella.

Pregnant women cannot receive vaccines. You must have blood titres done.

EXEMPTIONS

1. Persons born prior to January 1, 1957.

2. Medical or religious exemptions.
   - Official documentation required for religious exemption
   - Medical conditions that do not allow you to take vaccines or blood titres.

In New York City, the Health Department provides immunization free of charge at clinics in each borough.

For information and location of the FREE IMMUNIZATION SERVICES in your neighborhood call (212) 349-2664. The Health Services Department also provides free immunization. Measles, Mumps and Rubella can be prevented. Make sure you are protected.

THE AFFIRMATIVE ACTION POLICY

Borough of Manhattan Community College of The City University of New York is committed to the principles of Affirmative Action and Equal Opportunity. The College recruits, employs, retains, and promotes employees in all job classifications on the basis of ability and without regard to race, color, religion, sex, age, national origin, alienage or citizenship, handicap, marital status, veterans’ status, or sexual orientation. To insure equal employment opportunities and nondiscrimination against minorities and women in accordance with CUNY's policy and federal, state, and local requirements, BMCC implements an Affirmative Action Program.

The College's admission and retention policies, and education and student activities programs, do not discriminate on the basis of race, color, religion, sex, age, national origin, alienage or citizenship, handicap, marital status, veterans’ status, or sexual orientation.

It is a violation of University and College policy for any member of the College or University community to engage in sexual harassment or to take action against an individual who reports an incident of sexual harassment. Sexual harassment shall include unwelcome sexual advances, requests for sexual favors, and other verbal or written communications or physical conduct of a sexual nature when made a condition or basis for employment or academic standing, or when it interferes with, or affects the work of, the academic environment.

Acting Affirmative Action Officer - Ms. Eleanor Rollins, Room S750, Tel. (212) 345-8803

Title IX and Section 504 Coordinator Ms. Eleanor Rollins, Room S750, Tel. (212) 345-8803.

CUNY POLICY AGAINST SEXUAL HARASSMENT

Policy Statement

It is the policy of The City University of New York to promote a cooperative work and academic environment in which there exists mutual respect for all University students, faculty, and staff. Harassment of employees or students based upon sex is inconsistent with this objective and contrary to the University policy of equal employment and academic opportunity without regard to age, sex, sexual orientation, alienage or citizenship, religion, race, color, national or ethnic origin, handicap, and veteran or marital status. Sexual harassment is illegal under Federal, State, and City laws, and will not be tolerated within the University.

The University, through its colleges, will disseminate this policy and take other steps to educate the University community about sexual harassment. The University will establish procedures to ensure that investigations of allegations of sexual harassment are conducted in a manner that is prompt, fair, thorough, and as confidential as possible under the circumstances, and that appropriate corrective and/or disciplinary action is taken as warranted by the circumstances when sexual
harassment is determined to have occurred. Members of the University community who believe themselves to be aggrieved under this policy are strongly encouraged to report the allegations of sexual harassment as promptly as possible. Delay in making a complaint of sexual harassment may make it more difficult for the college to investigate the allegations:

A. Prohibited Conduct
   It is a violation of University policy for any member of the University community to engage in sexual harassment or to retaliate against any member of the University community for raising an allegation of sexual harassment, for filing a complaint alleging sexual harassment, or for participating in any proceeding to determine if sexual harassment has occurred.

B. Definition of Sexual Harassment
   For purposes of this policy, sexual harassment is defined as unwelcome sexual advances, request for sexual favors, and other oral or written communications or physical conduct of a sexual nature when:
   (1) submission to such conduct is made either explicitly or implicitly a term or condition of an individual’s employment or academic standing;
   (2) submission to or rejection of such conduct by an individual is used as a basis for employment or academic decisions affecting such individual; or
   (3) such conduct has the purpose or effect of unreasonably interfering with an individual’s work or academic performance or creating an intimidating, hostile or abusive work or academic environment.

Sexual harassment can occur between individuals of different sexes or of the same sex. Although sexual harassment most often exploits a relationship between individuals of unequal power (such as between faculty/staff member and student, supervisor and employee, or tenured and untenured faculty members), it may also occur between individuals of equal power (such as between fellow students or co-workers), or in some circumstances even where it appears that the harasser has less power than the individual harassed (for example, a student sexually harassing a faculty member). A lack of intent to harass may be relevant to, but will not be determinative of, whether sexual harassment has occurred.

C. Example of Sexual Harassment
   Sexual harassment may take different forms.
   Using a person’s response to a request for sexual favors as a basis for an academic or employment decision is one form of sexual harassment.
   Examples of this type of sexual harassment (known as quid pro quo harassment) include, but are not limited to, the following:
   • requesting or demanding sexual favors in exchange for employment or academic opportunities (such as hiring, promotions, grades, or recommendations);
   • submitting unfair or inaccurate job or academic evaluations or grades, or
   • denying training, promotion, or access to any other employment or academic opportunity, because sexual advances have been rejected.

Other types of unwelcome conduct of a sexual nature can also constitute sexual harassment, if sufficiently severe or pervasive that the target does find, and a reasonable person would find, that an intimidating, hostile or abusive work or academic environment has been created. Examples of this kind of sexual harassment (known as hostile environment harassment) include, but are not limited to, the following:
   • sexual comments, teasing or jokes;
   • sexual slurs, demeaning epithets, derogatory statements, or other verbal abuse;
   • graphic or sexually suggestive comments about an individual’s attire or body;
   • inquiries or discussions about sexual activities;
• pressure to accept social invitations, to meet privately, to date, or to have sexual relations; sexually suggestive letters or other written materials;
• sexual touching, brushing up against another in a sexual manner, graphic or sexually suggestive gestures, cornering, pinching, grabbing, kissing, or fondling;
• coerced sexual intercourse or sexual assault.

D. Consensual Relationships
Amorous, dating or sexual relationships that might be appropriate in other circumstances have inherent dangers when they occur between a faculty member, supervisor, or other member of the University community and any person for whom he or she has a professional responsibility. These dangers can include: that a student or employee may feel coerced into an unwanted relationship because he or she fears that refusal to enter into the relationship will adversely affect his or her education or employment; that conflicts of interest may arise when a faculty member, supervisor or other member of the University community is required to evaluate the work or make personnel or academic decisions with respect to an individual with whom he or she is having a romantic relationship; that students or employees may perceive that a fellow student or co-worker who is involved in a romantic relationship will receive an unfair advantage; and that if the relationship ends in a way that is not amicable, either or both of the parties may wish to take action to injure the other party.

Faculty members, supervisors, and other members of the University community who have professional responsibility for other individuals, accordingly, should be aware that any romantic or sexual involvement with a student or employee for whom they have such a responsibility may raise questions as to the mutuality of the relationship and may lead to charges of sexual harassment. For the reasons stated above, such relationships are strongly discouraged.

For purposes of this section, an individual has "professional responsibility" for another individual at the University if he or she performs functions including, but not limited to, teaching, counseling, grading, advising, evaluating, hiring, supervising, or making decisions or recommendations that confer benefits such as promotions, financial aid or awards or other remuneration, or that may impact upon other academic or employment opportunities.

E. Academic Freedom
This policy shall not be interpreted so as to constitute interference with academic freedom.

F. False and Malicious Accusations
Members of the University community who make false and malicious complaints of sexual harassment, as opposed to complaints which, even if erroneous, are made in good faith, will be subject to disciplinary action.

G. Procedures
The University shall develop procedures to implement this policy. The President of each constituent college of the University, the Deputy Chancellor at the Central Office, and the Dean of the Law School shall have ultimate responsibility for overseeing compliance with this policy at his or her respective unit of the University. In addition, each dean, director, department chairperson, executive officer, administrator, or other person with supervisory responsibility shall be required to report any complaint of sexual harassment to an individual or individuals to be designated in the procedures. All member of the University community are required to cooperate in any investigation of a sexual harassment complaint.

H. Enforcement
There is a range of corrective actions and penalties available to the University for violations of this
policy. Students, faculty, or staff who are found, following applicable disciplinary proceedings, to have violated this policy are subject to various penalties, including termination of employment and permanent dismissal from the University.

Complaint Procedures:
1. Students claiming sexual harassment or alleging sex discrimination should report the complaint to a member of the sexual harassment panel (panel members are identified below). In the case of sexual harassment, upon receipt and brief interview with the complainant, the panel member will forward the complaint to the panel coordinator or deputy coordinator for investigation.

2. In instances of alleged sex discrimination, the complainant may bring the complaint to the Title IX Coordinator (Ms. Angela Sales, Room S750e, telephone extension 8807).

3. Employees covered by the collective bargaining agreements, which includes gender discrimination as ground for grievance, may use the grievance procedure provided in their respective agreements. Sexual harassment complaints may be reported directly to a member of the sexual harassment panel.

Members of the college community who believe themselves to be aggrieved under this policy are strongly encouraged to report the allegation as promptly as possible. Delays in making a complaint may make it more difficult for the college to investigate the allegations.

**Nondiscrimination on the Basis of Disability**
Borough of Manhattan Community College of The City University of New York does not discriminate on the basis of disability. This includes admission and retention of students and employment of faculty and staff (instructional and non-instructional employees).

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Department</th>
<th>Office</th>
<th>Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Angela Sales</td>
<td>Panel Coordinator</td>
<td>Affirmative Action Office</td>
<td>S750e</td>
<td>x8807</td>
</tr>
<tr>
<td>Vacant</td>
<td>Deputy Coordinator</td>
<td>Affirmative Action Office</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lt. Michele Ingram</td>
<td>Panel Member</td>
<td>Public Safety</td>
<td>S202</td>
<td>X8891</td>
</tr>
<tr>
<td>Ms. Deborah Lane</td>
<td>Panel Member</td>
<td>Allied Health</td>
<td>N742</td>
<td>X8730</td>
</tr>
<tr>
<td>Mr. David Lorde</td>
<td>Panel Member</td>
<td>Mathematics</td>
<td>N522</td>
<td>X8552</td>
</tr>
<tr>
<td>Mr. Thomas McDonald</td>
<td>Panel Member</td>
<td>Services for Students with Disabilities</td>
<td>N768</td>
<td>X8015</td>
</tr>
<tr>
<td>Professor Mary Padula</td>
<td>Panel Member</td>
<td>Business Management</td>
<td>S657</td>
<td>X8472</td>
</tr>
<tr>
<td>Professor Maya Sharpe</td>
<td>Panel Member</td>
<td>Developmental Skills</td>
<td>N425</td>
<td>X8339</td>
</tr>
</tbody>
</table>
Employees covered by a disability discrimination provision in their collective bargaining agreements may use their grievance procedure provided in their respective agreements. Otherwise, employees and students may avail themselves of the following procedures:

Students should communicate their concerns to the Director of Services for Students with Disabilities, Mr. Thomas McDonald, room N768, telephone number 346-8015. Complaints received by the director will be handled on an informal and confidential basis in order to ensure the privacy of both the complainant and the accused. If the matter cannot be resolved through the informal process, the complainant may avail himself/herself of a formal complaint procedure.

With respect to employees, these rules contemplate informal and or formal investigations, affording all interested persons and their representatives, if any an opportunity to submit evidence relevant to a complaint. Complaints should be addressed to Ms. Angela Sales, Room S750e. Ms. Sales’ telephone is (212) 346-8807. A complaint may be filed in writing or verbally. The complainant should provide his/her name and address, and he/she should describe the alleged violation of the regulations.

A complaint should be filed within 30 days after the complainant becomes aware of the alleged violation. This requirement can be waived at the discretion of the ADA/504 Coordinator.

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
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<th>Telephone</th>
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</thead>
<tbody>
<tr>
<td>Dr. Emily Anderson</td>
<td>Social Science</td>
<td>N619</td>
<td>X8220</td>
</tr>
<tr>
<td>Dr. Michael Basile</td>
<td>Health Education</td>
<td>N325</td>
<td>X8280</td>
</tr>
<tr>
<td>Ms. Joanne Castioni Giurmo</td>
<td>Student Health</td>
<td>N303</td>
<td>X8255</td>
</tr>
<tr>
<td>Professor Sidney Eng</td>
<td>Library</td>
<td>S433</td>
<td>X8602</td>
</tr>
<tr>
<td>Ms. Angela Sales</td>
<td>Affirmative Action Office</td>
<td>S750e</td>
<td>X8807</td>
</tr>
<tr>
<td>Dean Mary Li Hsu</td>
<td>Student Affairs</td>
<td>S34</td>
<td>X8123</td>
</tr>
<tr>
<td>Mr. Thomas Lew</td>
<td>Instructional Technology</td>
<td>S612</td>
<td>X8465</td>
</tr>
<tr>
<td>Mr. Thomas McDonald</td>
<td>Disabled Student Services</td>
<td>N768</td>
<td>X8015</td>
</tr>
<tr>
<td>Mr. Roy Montgomery</td>
<td>Engineering/Facilities</td>
<td>N101</td>
<td>X8762</td>
</tr>
</tbody>
</table>
An investigation, as may be appropriate, shall follow a filing of a complaint. Ms. Sales shall conduct the investigation. She may, at her discretion, request the assistance of one or more members of the Committee on the Disabled.

Written determination of the status, validity, and description of the resolution if any, shall be issued by Ms. Sales, within a reasonable time period. A copy shall be forwarded to the complainant and appropriate officers of the College.

**NO SMOKING POLICY**

Following the enactment of the New York City Clean Air Act, a Smoking Policy was adopted in 1988 for units of The City University of New York including Borough of Manhattan Community College. The Clean Air Act was adopted in response to findings of the Surgeon General of the United States that passive exposure to cigarette smoke (second-hand or passive smoke) is linked to a variety of negative consequences. For overall health and safety concerns, and following the classification by the U.S. EPA of second-hand smoke as a Class A carcinogen, with input from faculty, staff, and students, the College became a SMOKE-FREE campus in April 1993. Smoking is not permitted on the premises of Borough of Manhattan Community College at either 199 Chambers Street or Fruitman Hall at 30 West Broadway. The administrator designated to review issues/complaints related to the College’s NO SMOKING policy is the Director of Human Resources, G. Scott Anderson, Room S710.

**BMCC ADMINISTRATION AND STAFF**

**OFFICE OF THE PRESIDENT**

- **Antonio Pérez**  President
- **Richard Hasselbach**  Executive Assistant to the President
- **America Roman**  Executive Secretary to the President
- **Ellen O’Neill**  Dean of College
- **John Montanez**  Director of Grants and Development
- **Michael Haynes**  Acting Dean for Faculty and Staff Relations

**Acting Affirmative Action Compliance Officer and Director of Community and Government Relations**

- **Louise Ann Bulik**  Director of Public Relations
- **Laura Higgins**  Director of the Manhattan Educational Opportunity Center
- **Thomas Volpe**  Director of Publications

**OFFICE OF THE VICE PRESIDENT OF ACADEMIC AFFAIRS**

- **Sadie Chavis Bragg**  Vice President of Academic Affairs
- **Ena Jordan**  Assistant to the Vice President
- **Erwin J. Wong**  Associate Dean of Academic Support Services
- **Freda Mc Clean**  Associate Dean of Academic Affairs for Instruction
- **Karen Davis**  Director of Advisement and Transfer
- **James Tynes**  Director of Testing
- **Thomas Lew**  Director of the Learning Resource Center

**OFFICE OF THE VICE PRESIDENT OF INSTRUCTION**

- **Sidney Eng**  Director of Instructional Technology
- **David Hyllegard**  Chief Librarian
- **Sandra Rumayor**  Director of Institutional Research
- **Gregory Wist**  Director of Partnerships and Collaboratives
- **John Gallagher**  Senior Registrar
- **Linda Herring**  Director of the Media Center

**OFFICE OF VICE PRESIDENT OF STUDENT AFFAIRS**

- **Henry Gardner**  Vice President of Student Affairs/Dean of Students
- **Mary Li Hsu**  Associate Dean of Student Affairs
President's Advisory Board

A. Makea McDonald  Assistant to the Vice President of Student Affairs
Orville Hill       Acting Administrator of College Discovery
Peter Vida        Director of Enrollment Management
Antoinette Middleton Assistant Director of Admissions
Lily Yi            Admissions Coordinator, International Student Services
Stephen Kelly     Director of Athletics
Ronald West       Director of Career Planning and Placement
                  Director of the Women's Center
Thomas McDonald   Director of Students with Disabilities
Todd Boressoff    Executive Director of the Early Childhood Center
Howard Entin      Director of Financial Aid
Joanne Giannino   Director of Health Services
George Rhinehart  Director of Student Activities

OFFICE OF THE VICE PRESIDENT AND DEAN OF ADMINISTRATION AND PLANNING
G. Scott Anderson  Acting Vice President and Dean of Administration and Planning
Dennis Jones      Assistant Dean for Administration & Planning Business Manager
Ethem Kok         Director of Administrative Computing
Edward Sullivan   Chief Administrative Superintendent of Buildings and Grounds

OFFICE OF ADULT AND CONTINUING EDUCATION
Acite Maldonado   Dean of Adult and Continuing Education
Cynthia Murphy    Director of Adult and Continuing Education
Mary Kieran       Director of Funded Programs

PRESIDENT'S ADVISORY BOARD
The President's Advisory Board is comprised of a group of civic-minded individuals interested in Borough of Manhattan Community College and its students. These individuals volunteer their time and assistance to the President to implement the needs and to further the purpose of the College. Distinguished in their own communities, the members of the President's Advisory Board come from various walks of life and diverse backgrounds. The members are:

Dr. Megan McLaughlin, Chair
Executive Director/CEO
Federation of Protestant Welfare Agencies

Dr. Sadie Bragg
Vice President of Academic Affairs
BMCC

Walther Delgado
Director
Audubon Partnership for Economic Development

Dr. Howard Dodson, Jr.
Chief
Schomburg Center for Research in Black Culture
The New York Public Library

Dr. Henry Gardner
Vice President for Student Affairs/Dean of Students

Sally Goodgold
President
The Murray Goodgold Foundation

Willie James
President
Transport Workers Union/Local 100

Amy Leung
Senior Vice President Business Development
The Hong Kong Bank
Division of Marine Midland Bank

Charles Maikish
Senior Vice President
Global Real Estate
Chase Manhattan Bank
Horace W. Morris
Senior Fellow Consultant
United Way of New York City

Ellen O’Neill
Dean of College Development and Relations
BMCC

Barbara Silvan
Divisional Director of Human Resources
Citigroup

Dr. Antonio Pérez
President of BMCC

Colin Watson
Angela Sales
Director
Community and Government Relations
BMCC

THE CITY UNIVERSITY OF NEW YORK
Founded in 1847. The City University of New York (CUNY) is the nation’s leading public urban university. It is noted for its commitment to academic excellence and its open admissions policy. Comprised senior colleges, six community colleges, a graduate school, a law school, and a medical school with a full-time faculty of 6,000 and more than 70 research centers and institutes, the City University ranks among the country’s major research institutions.

Nearly 200,000 students are currently registered at the City University. This includes both full-time graduate and undergraduate students enrolled in credit-bearing courses.

The following are some of the services provided by CUNY to help students and prospective students with their educational needs:

OFFICE OF ADMISSIONS SERVICES (OAS)
The Office of Admissions Services (OAS) assists all prospective students and applicants who are interested in attending one of the colleges of the City University of New York. The office is located at 1114 Avenue of the Americas in Manhattan and includes the following divisions:

The Information Center provides information about CUNY admissions procedures, international student admissions, financial aid, CUNY programs the Seek/College Discovery Program and General Equivalency Diplomas (GED). The Center is open Monday through Wednesday from 9 a.m. to 5:45 p.m., Thursday from 10 a.m. to 5:45 p.m., and Friday from 9 a.m. to 4:45 p.m.

The High Schools Services and Community Outreach divisions disseminate pre-admissions information about CUNY to students and guidance counselors in all New York City schools and most of the large community agencies. OAS administers the Test of English as a foreign Language (TOEFL) and its Publications Office prepares CUNY’s Freshman and Transfer Guides.

UNIVERSITY APPLICATION PROCESSING CENTER (UAPC)
The University Processing Center (UAPC) processes all freshman and advanced standing transfer applications and evaluates all foreign educational documents. Application inquiries should be directed to OAS.

ADMINISTRATIVE OFFICERS
Matthew Goldstein, Chancellor
Louise Mirrer, Executive Vice Chancellor for Academic Affairs
Dave Field, Special Counsel to the Chancellor

VICE CHANCELLORS
David Freed, Senior Vice Chancellor and Chief Operating Officer
Jay Hershenson, Vice Chancellor for University Relations
Emma E. Macari, Vice Chancellor for Facilities, Planning, Construction, and Management
Brenda Richardson Malone, Vice Chancellor for Faculty and Staff Relations
Otis Hill, Vice Chancellor for Student Development and Enrollment Management
Sherry Brabham, Vice Chancellor for Budget, Finance, and Information Services
Frederick Schaffer, General Counsel and Vice Chancellor for Legal Affairs
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Benno C. Schmidt, Jr.
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John Morning
Kathleen M. Pesile
George J. Rios
Nilda Soto Ruiz
Jeffrey S. Wiesefeld

MEMBERS EX-OFFICIO
Bernard Sohmer, Chairwoman, University Faculty Senate
Mizanoor R. Biswas, Chairperson, University Student Senate

STAFF TO THE BOARD
Genevieve Mullin, Secretary of the Board
Frederick Schaffer, General Counsel and Vice Chancellor for Legal Affairs

COLLEGE PREPARATORY INITIATIVE
Developed by The New York City Public Schools and The City University of New York, CPI (College Preparatory Initiative) is intended to improve the academic preparation of high school students who plan to go to college.

All students who graduated from high school in or after June 1993 or who received a GED in or after September 1993 must satisfy CPI requirements in order to receive their college degree.

In addition, all transfer students who graduated from high school in or after June 1993 or who received their GED in or after September 1993 need to satisfy CPI requirements. Transfer students need to submit at the time of application their high school transcripts regardless of the number of college credits completed.

All associate and bachelor’s degree students must satisfy the requirements before graduation from college. If students are planning to transfer to another CUNY unit before graduation, they must satisfy all CPI units in English and Mathematics.

By the year 2000, students entering CUNY will need to have completed 16 academic units in six areas: English, Math, Lab Science, Social Sciences, Fine Arts, and Foreign Languages. Some, not all, of these requirements began in Fall 1993. The chart below shows what the requirements are and when each one starts.

RIGHT TO KNOW
In 1998, the federal government passed higher education amendments. This requires colleges to disclose completion or graduation rates and transfer out rates to current and to prospective students beginning July 1, 2000. Current and prospective students may obtain this information at the registrar’s office, Room S310.

<table>
<thead>
<tr>
<th>UNIT EXPECTATION</th>
<th>MINIMUM UNIT DISTRIBUTION</th>
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</thead>
<tbody>
<tr>
<td>Senior College</td>
<td>Community College</td>
</tr>
</tbody>
</table>

For community college students, the academic units needed in 2000 are sixteen: two units of lab-science, three units of mathematics, four units of English, four units of social science be one unit of fine arts and two units of foreign language.
## Basic Skills Guide

P - Must pass basic skills before being allowed to register for course.
X - No basic skills prerequisite.

<table>
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<td>Luis E. Acosta</td>
<td>Television Assistant, Media Center</td>
<td>A.A.S., Borough of Manhattan Community College; B.A., Hunter College</td>
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<td>Faisal Adem</td>
<td>College Laboratory Technician, Science</td>
<td>B.A., Hunter College</td>
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<td>Nkechi Ageu</td>
<td>Assistant Professor, Mathematics</td>
<td>B.S., University of Nigeria; M.S., University of Connecticut; Ph.D., Syracuse University</td>
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<td>Mohammed Ahmeduzzaman</td>
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<td>Geoffrey R. Akst</td>
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<td>Andrea Starr Alonso</td>
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<td>Daisy Alverio</td>
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<td>Emily B. Anderson</td>
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<td>G. Scott Anderson</td>
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<td>Kenneth Anderson</td>
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<td>Mahmoud Ardebili</td>
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<td>Yeghia Aslanian</td>
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Sandra Boer  Lecturer, Mathematics  
B.A., New York University; M.A., The City College of New York  

William David Bonham  Lecturer, Developmental Skills  
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Francisca Campos  Instructor, Office Administration  
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Guadalupe Campos  Instructor, Business Management  
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Linda Carlson  Assistant Professor Allied Health Sciences  

Lloyd S. Carroll  Professor and Chairperson Accounting  
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Martin Scott Carter  Instructor, Social Science  
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Miguel Cervantes  Senior College Laboratory Technician, Media Center  
B.A., World University of Arizona  

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M.S., University of New Haven
Richard Chorley  Professor, Computer Information Systems  
A.B., University of Illinois; M.S., Iowa State University

Stanley Chu  Professor, Accounting  
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Ronald Clare  Instructor, Business Management; J.D., CUNY Law School

Marlene Clark  Assistant Professor, English

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Olivia Cousins  Professor, Health Education  
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Marva Craig  Registrar  
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Charlotte Croman  Professor, Speech, Communications, and Theatre Arts  
B.S., Ph.D., New York University; M.A., Hunter College; M.S., Southern Connecticut State University; J.D., New York Law School

Michael Cullen  College Laboratory Technician, Student Affairs

Isabel Cummings  Assistant Director of Student Activities  
B.A., Hunter College; M.A.T., Fordham University

Valli Daniels  Assistant Registrar  
M.S.W., Fordham University

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