revised 2010-2011

Spring
2011
Addendum
UPDATES TO 2010-2011 COLLEGE CATALOG

The following changes pertain to incoming students for the spring 2010 semester. Continuing students who declared their majors prior to the spring 2010 semester may opt to follow these new requirements but must first inform the registrar’s office of their decision.

**Degree Requirement Changes / Additions:**

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**Changes in Pre-/Co-Requisites**

- EXS 01000
- EXS 01100
- FD 09200
- POL 09300
- ST 00100
- ST 00200

**New Course**

- ENG 04800

**Effective Immediately:**

On November 22, 2010, the CUNY Board of Trustees voted to eliminate the CPE as a degree requirement for all previous, current, and future CUNY students. More information is available on the CUNY website: www.cuny.edu.
A.A. LIBERAL ARTS • TOTAL CREDITS 60

Requirements for Matriculants

COLLEGE REQUIREMENTS
Passing scores on the CUNY/ACT in Reading and Writing and the COMPASS Math Skills Test or developmental courses may be required.

At least one (1) Writing Intensive course in any discipline is required. Such courses are designated “W.” Participation in a Learning Community that includes ENG 12 also satisfies this requirement.

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

GENERAL EDUCATION REQUIREMENTS
All Liberal Arts students will be required to take a cornerstone seminar, “Introduction to the Liberal Arts” (LIB 00100), during their first 30 credits toward the degree. ..........1 credit

During the last semester, Liberal Arts majors are required to complete a capstone course determined by the student’s discipline of study or concentration/option. These courses will be designated as capstone.

Capstone course .........................................................3 credits

The courses completed in Groups A, B and C combined must total no less than 43–44 credits.

Group A: ARTS AND HUMANITIES — 15–18 credits
Art, Film and Media Studies, Music, Theatre, Speech, Foreign Language, Literature, Philosophy
Art, Film and Media Studies, Music or Theatre Arts ....3 credits
Speech .................................................................3
Literature ........................................................................3
Philosophy .................................................................3
Group A Elective(s)* ......................................................3–6

Group B: BEHAVIORAL AND SOCIAL SCIENCES — 15–18 credits
History, Economics, Political Science, Anthropology, Psychology, Sociology
American Politics ..........................................................3 credits
American History ..........................................................3
World History or Anthropology ...........................................3
Psychology ........................................................................3
Sociology ........................................................................3
Group B Elective* ..............................................................0–3

Group C: MATHEMATICS AND SCIENCES — 7–11 credits
Biology, Chemistry, Earth & Planetary Science,
Mathematics & Computer Science, Physics
Mathematics .................................................................3 or 4 credits
Science with laboratory .................................................4
Group C Elective* ..............................................................0–3

* Elective credits, including groups A, B, or C electives, provide students the option to take up to 3 courses in one discipline.

If pursuing one of the following concentrations, students must consult with the respective program advisor and follow the course of study for that concentration.

CHILDREN’S STUDIES CONCENTRATION
Students completing this concentration must fulfill all College, Liberal Arts, and General Education requirements, including:
- One year of foreign language
- SOC 03100, SOC 03500, PSY 01100, and PSY 03200 (or PSY 02400)

GLOBAL & ENVIRONMENTAL STUDIES OPTION
Students completing this option must fulfill all College and Liberal Arts requirements including capstone and group courses as follows:

Capstone Course: Global Politics: Civic Engagement in a Globalized World (POL 09300) .................3 credits

Group A: ARTS AND HUMANITIES — 18 credits including:
a. Two semesters of Foreign Language (00100 and 00200) .................................................................6
b. Global Ethics (PHI 07900) .................................................3
c. Intercultural Communication (SPE 02600) .........................3
d. Modern Architecture and the Environment (ART 09500) .................................................................3
e. Plus one of the following courses: .........................3
   • Survey of Art History: From Ancient to Renaissance (ART 03300)
   • Survey of Art History: From Renaissance to 19th Century (ART 03400)
   • African, Oceanic and Native American Art (ART 03700)
   • Renaissance Art (ART 03800)
   • Effective Public Speaking (SPE 02100)
   • Music of the World’s People (MUS 02700)
   • World Literature (ENG 03200)
   • Philosophy of Religion (PHI 07700)

Group B: BEHAVIORAL AND SOCIAL SCIENCES — 18 credits including:
a. Intro to Anthropology (ANT 03700) or Intro to Sociology (SOC 03100) .................................................3
b. International Organization (POL 07100) .........................................3
c. US History in Global Perspective I & II (HIS 01700 & HIS 01800) .........................................................6
d. Plus one of the following courses: .........................3
   • Modern China (HIS 03200)
   • Africa: Past and Present (HIS 03300)
   • The Middle East: World War I to the Present (HIS 03700)
   • The Caribbean: 1942 to the Present (HIS 04200)
   • Russian History: 1860 to the Present (HIS 05300)
   • Latin American History (HIS 05700)
   • Historical Geography (HIS 07000)
e. Plus one of the following courses: .........................3
   • Macroeconomics (ECO 01200)
• International Trade: Trading Beyond Borders (ECO 02000)
• Introduction to Anthropology (ANT 03700) (if not taken above)
• Introduction to Sociology (SOC 03100) (if not taken above)
• Comparative Government (POL 05200)
• The Politics of Economics: Intro to Political Economy (POL 05700)
• Environmental Politics (POL 05800)

**Group C: MATHEMATICS AND SCIENCES — 13 credits including:**

a. Developments in the Physical Sciences & the Environment (SCI 03700) ...................................................4
b. Elements of Statistics (MAT 02000)...................................3
c. Plus two of the following courses:.........................6-8
   • People and Environment (BIO 04900)
   • Chemistry and Environment (SCI 05100)
   • Introduction to Earth Science (EPS 03800)
   • Introduction to Marine Biology (BIO 02500)
   • Introduction to Modern Concepts of Biology (BIO 03300)

**SECONDARY EDUCATION CONCENTRATION**
This option prepares for transfer into baccalaureate majors in various disciplines with a minor in Secondary Education. Students take **PSY 03500** and 9 credits in an academic major, which shall be reflected in the choice of 9 credits or 3 courses in one discipline listed in Groups A, B or C.

**WOMEN’S STUDIES CONCENTRATION**
As part of the above College and Liberal Arts requirements, students completing this concentration must take **HIS 06600** and at least 9 credits of courses within Groups A & B that are designated as Women’s Studies (“F”) such as:

**Group A: ARTS AND HUMANITIES**

ART 03900 or ENG 06700 or THA 04800 or
Women’s Studies sections of any of these:
MCM 03000 or MCF 04400 or MUS 03100

**Group B: BEHAVIORAL AND SOCIAL SCIENCES**

HIS 06800 or ANT 03900 or PSY 03700 or
SOC 03800 or Women’s Studies sections of:
SOC 03100 or PSY 01100

**Group C: MATHEMATICS AND SCIENCES**

BIO 02800

**BARUCH ZICKLIN SCHOOL OF BUSINESS TRANSFER OPTION**
Students completing this option must fulfill all College and Liberal Arts requirements and group courses as follows.

In addition to the following three courses, students must consult with the department of business advisor.

- Accounting I (ACC 00100)......................................................4
- Business Law (BA 01200) .......................................................4
- Introduction to Information Systems & Technologies (BA 06200) .................................................................4

**GENERAL EDUCATION REQUIREMENTS — 39 credits**

**Group A: ARTS AND HUMANITIES —**

Art, Film and Media Studies, Music, Theatre, Speech, Foreign Language, Literature, Philosophy
Art, Film and Media Studies, Music or Theatre Arts .........3

**Group B: BEHAVIORAL AND SOCIAL SCIENCES —**

History, Economics, Political Science, Anthropology, Psychology, Sociology
American History or Politics ...............................................3
Psychology .............................................................................3
Sociology.................................................................................3
Macroeconomics (ECO 01200) ...............................................3
Microeconomics (ECO 01300) ..................................................3

**Group C: MATHEMATICS AND SCIENCES —**

Biology, Chemistry, Earth & Planetary Science, Mathematics & Computer Science, Physics
Calculus (MAT 01500).............................................................4
Business Statistics (MAT 02200).............................................4
Science with laboratory .........................................................4

**ELECTIVES — (0-6 credits) sufficient to meet total requirement of 60 credits**

The following course is required for ALL Liberal Arts majors:

**LIB 00100 – INTRODUCTION TO THE LIBERAL ARTS**

(1 crs. 1 hrs.)
Students will explore the questions: What are the Liberal Arts? What is meant by a Liberal Arts Education? Examination of how human knowledge has developed and grown through history. A discussion of multicultural relationships and interconnections among the various liberal arts through written and oral participation and reading from original sources. Course is required for all A.A. in Liberal Arts majors. Course does NOT fulfill General Education Requirements.
A.S. CHEMICAL DEPENDENCY
TOTAL CREDITS: 60

Requirements for Matriculants

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

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

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

DEPARTMENT REQUIREMENTS§
Introduction to Substance Abuse Counseling (SAC 02000) ...... 3 credits
Basic Techniques in Substance Abuse Counseling I (SAC 02200) .............................................................................. 3
Basic Techniques in Substance Abuse Counseling II (SAC 02400) ................................................................. 3
Ethics, Confidentiality, & Counselor/Client Relationship (SAC 02600) ................................................................. 3
Treatment Approaches in Substance Abuse (SAC 02800) ...... 3
Supervised Instructional Experience in Substance Abuse Counseling (SAC 091A0/B) ......................................................... 7

GENERAL EDUCATION REQUIREMENTS

- Group A: ARTS AND HUMANITIES .......................... 3 credits
  Art - Foreign Language - Literature - Film and Media Studies - Music - Philosophy - Speech - Theatre Arts
  Excluded are Art Studio, Music Studio, Theatre Production & Technique Courses

- Group B: BEHAVIORAL AND SOCIAL SCIENCES
  General Psychology (PSY 01100) .................................... 3 credits
  Human Growth and Development (PSY 03200) ............. 3
  Abnormal Psychology (PSY 03600) ............................. 3
  Introduction to Sociology (SOC 03100) ......................... 3
  Select one course from:
  Economics - History - Political Science .......................... 3

- Group C: MATHEMATICS AND SCIENCES ............... 7 - 8 credits
  One Mathematics course
  One Laboratory Science course selected from:
  Biology – Chemistry – Earth & Planetary Science – Physics

ELECTIVES: 6 credits sufficient to meet required total of 60 credits

*The following course is recommended for the purpose of earning OASAS credential in: Compulsive Gambling: Treatment and Prevention (SAC 03000) ........................ 4 credits

- This program is within the Behavioral Sciences and Human Services Department.

§ Consultation with the Department Advisor is required.
A.S. COMMUNITY HEALTH•
TOTAL CREDITS: 60
Requirements for Matriculants

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

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

ENG 01200 ........................................................................3 credits
ENG 02400 ........................................................................3 credits

DEPARTMENT REQUIREMENTS
ALL Majors must take:
Concepts of Wellness (HPE 01200).................................3 credits
Introduction to Community Health (COH 01100)........3 credits
Critical Issues in Community Health (COH 01200)........3 credits
Principles of Epidemiology (COH 01300).......................3 credits
Community Health Interventions (COH 02000)..............3 credits
Introduction to Computer Concepts (BA 06000)
or Office Computer Applications (TEC 02500)*
or Introduction to Computers and Computer Applications (CP 01100) ..........................3-4*

Plus, select ONE of the following options:

GERONTOLOGY
Introduction to Gerontology (MH 03500).........................3 credits
Therapeutic Recreation for Individuals with Disabilities I or II (RPE 03100 or RPE 03500).........................3 credits
Perspectives on Death and Dying (NUR 04300)................3 credits

HEALTH ADMINISTRATION
Fundamentals of Business (BA 01100).............................3 credits
Organizational Behavior and Management (BA 03100)......3 credits
Macroeconomics (ECO 01200) or Microeconomics
(ECO 01300) ........................................................................3 credits

HEALTH EDUCATION AND PROMOTION
Two of the following four courses: ...............................6 credits
Women’s Health Issues (HE 03800)
Drugs: The Individual and Society (HE 04000)
Nutrition and Health (HE 04200)
Human Sexuality (HE 05200)
Field Experience in Community Health (COH 091E1)........3 credits

SUBSTANCE ABUSE COUNSELING
Introduction to Alcoholism and Substance Abuse Counseling (SAC 02000) ....................................................3 credits
Basic Counseling Techniques in Substance Abuse
Field I (SAC 02200) .............................................................3 credits
Confidentiality, Ethics and the Counselor/Client Relationship in Substance Abuse Counseling (SAC 02600)........................3 credits

GENERAL EDUCATION REQUIREMENTS:
For HEALTH ADMINISTRATION CONCENTRATION, 9 credits should be selected from Group A plus ECO 01200 or 01300 from Group B.

All other concentrations choose nine (9) credits from Group A and Group B (a minimum of three (3) credits from each group plus three (3) more credits in another discipline from either Group A or Group B) plus 7-8 credits from Group C. Choose courses in consultation with a faculty advisor so that courses chosen transfer well to baccalaureate programs.

Group A: ARTS AND HUMANITIES.................................3 – 9 credits
Art - Foreign Language - Literature - Media and Film Studies - Music - Philosophy - Speech - Theatre Arts
Excluded are Art studio, Music studio, Theatre production & skills courses

For HEALTH ADMINISTRATION CONCENTRATION:
Select 9 credits, each course from a different discipline with the exception of a Foreign Language in which two semesters of the same language may be taken. For all other concentrations or options, select 3 – 6 credits.

Recommended Courses:
• The Visual Experience (ART 03100),
or The Musical Experience (MUS 03100),
or Effective Public Speaking (SPE 02100),
or Introduction to Theatre Arts (THA 05000)
• Ethics: A Study of Ethical Problems (PHI 07400) or Ethics and Morality in the Health Professions (PHI 07600)

Group B: BEHAVIORAL AND SOCIAL SCIENCES ....12 – 15 credits
NOTE: PSY 01100, PSY 03200 and SOC 03100 are required for all concentrations.

For HEALTH ADMINISTRATION CONCENTRATION:
ECO 01200 or ECO 01300 required.

ALL OTHER CONCENTRATIONS OR OPTIONS:
Select 3 – 6 credits from among the following disciplines:
Economics - History - Political Science

Group C: MATHEMATICS AND SCIENCES ...............7 – 8 credits
• A Mathematics course (e.g., MAT 00700
or MAT 00900 or MAT 02000) .........................................3-4
NOTE: MAT 02000 preferred for HEALTH ADMINISTRATION CONCENTRATION.
• A laboratory course in Biological Sciences (e.g., BIO 01100, BIO 01300, or BIO 03300) .........................4

• This program is within the Health, Physical Education and Recreation Department.

* Students who demonstrate proficiency in computer concepts may request permission from the Program Directors to complete 3 credits in Health Education instead.
A.S. EXERCISE SCIENCE / PERSONAL TRAINING
TOTAL CREDITS: 60

Requirements for Matriculants

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

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

DEPARTMENT REQUIREMENTS §
Introduction to Personal Training (EXS 00900) ..............3 credits
Kinesiology of Exercise (EXS 01000) ...........................................3
Physiology of Exercise (EXS 01100) .............................................3
Health Risk Appraisal (EXS 01200) ..............................................3
Fitness Assessment and Program Design (EXS 01300) ...............3
Muscular Fitness Training Techniques (EXS 01500) ....................3
Field Experience in Exercise Science (EXS 091X6) ......................3
First Aid and Personal Safety (HE 03500) ...................................2
Cardiopulmonary Resuscitation (HE 02000) ......................1

Choose one from each of the following groups for 3 credits: ...3

Group I
Walk, Jog, Run (PEC 00200)
Aerobic Dance (PEC 01900)

Group II
Swimming for Fitness (PEC 03300)
Aqua Exercise (PEC 06500)
Swimming for Non-Swimmers and Beginners (PEC 03000)

Group III
Tai Chi Chuan (PEC 02500)
Introduction to Hatha Yoga (PEC 02900)
Pilates System of Exercise (PEC 05600)
Beginning Karate and Self-Defense (PEC 02700)
Personal Self-Defense for Women (PEW 02100)

GENERAL EDUCATION REQUIREMENTS
A minimum of six (6) from Group A, six (6) from Group B and fourteen (14) from Group C.

Group A: ARTS AND HUMANITIES ...............................6 credits
Art - Film and Media Studies - Foreign Language -
Music - Philosophy - Speech - Theatre Arts
Excluded are Art studio, Music studio, Theatre production & skills courses

Group B: BEHAVIORAL AND SOCIAL SCIENCES ..........6 credits
PSY 01100 is required.
A second course may be selected from:
Anthropology - Economics - History - Political Science - Sociology

Group C: MATHEMATICS AND SCIENCES ........................14 credits
MAT 00700 or MAT 00900 or MAT 02000
Human Anatomy and Physiology I and II (BIO 01100 and 01200)
Science of Nutrition (BIO 07000)

§ Consultation with the Department Advisor is required.
• This program is within the Health, Physical Education and Recreation Department.
A.A.S. FASHION DESIGN•
TOTAL CREDITS: 60

Requirements for Matriculants

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

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

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

DEPARTMENT REQUIREMENTS§
Fashion Sketching I (FD 01100) .......................................3 credits
Fashion Sketching II (FD 01200) ..................................................3
Computerized Fashion Design (FD 01300) .................................3
Garment Construction (FD 01400) ....................................................3
Fashion Design I (FD 02100) ........................................................3
Fashion Design II (FD 02200) .......................................................3
Design Trends and Aesthetics (FD 02300)...................................3
Field Experience in Fashion Design (FD 09200)*........................3
or Independent Study in Fashion Design (FD 08100)*........3
Elements of Retail Management (RM 03100) .........................3
Textile and Non-textile Analysis (FM 03500) ..............................3
Visual Merchandising and Display (FM 03600) ..........................3
Introduction to Computer Concepts (BA 06000) ...................3

GENERAL EDUCATION REQUIREMENTS — 16-17 credits
Nine (9) credits from Groups A and B (a minimum of three (3) credits from each group plus three (3) more credits in another discipline from either Group A or B) plus seven (7) or (8) credits from Group C.

Group A: ARTS AND HUMANITIES.........................3 - 6 credits
  Art - Foreign Language - Literature – Film and Media Studies –
  Music - Philosophy - Speech - Theatre Arts
  Excluded are Art studio, Music studio, Theatre production & skills courses

Group B: BEHAVIORAL AND SOCIAL SCIENCES.....3 – 6 credits
  Anthropology – Economics - History – Political Science -
  Psychology - Sociology

Group C: MATHEMATICS AND SCIENCES ..........7 – 8 credits
  One Mathematics course
  One Laboratory Science course selected from:
  Biology – Chemistry – Earth & Planetary Science – Physics

ELECTIVES: 0 - 1 credits sufficient to meet required total of 60 credits

* Fashion Design majors with a G.P.A. equal to or greater than 3.0 must take FD 09200 to complete the degree requirement; Fashion Design majors with less than a G.P.A. of 3.0 must take FD 08100.

•This program is within the Business Department.
§Consultation with the Department Advisor is required.
Requirements for Matriculants

College Requirements

Passing scores on the CUNY/ACT in Reading and Writing and the COMPASS Math Skills Test or developmental courses may be required.

- ENG 01200 .................................................................3 credits
- ENG 02400 .................................................................3

If required:
- ENG 00400, 09100, 09200 &/or 09300 ..................................0
- MAT 0M100 & 0M200 or MAT 0R300 proficiency ...............0

Starting in the fall 2009 semester, in order to advance into nursing clinicals, students must provide documentation for one of the following categories:

1) U.S. Citizenship
2) Permanent Residency
3) International Student with F1 Status
4) Granted Asylum, Refugee Status, Temporary Protected Status, Withholding of Removal, Deferred Enforced Departure; or Deferred Action Status by the U.S. government

Department Requirements

Students in the Nursing Program must complete the five semester-sequences as specified below:

First Semester (Pre-Clinical Component)
- Applied Physical Sciences for Allied Health Careers (SCI 02500) .................................................................3 credits
- General Psychology (PSY 01100) .................................................3
- Human Anatomy and Physiology (BIO 01100)
  - NOTE: Prerequisite REQUIRED...............................................4
- Freshman English I (ENG 01200) .................................................3

Second Semester (Clinical Component)
- Human Anatomy and Physiology II (BIO 01200) ...............4
- Human Growth and Development (PSY 03200) ...............3
- Fundamentals of Nursing (NUR 01800) ...................................7

Third Semester
- Fundamentals of Nursing (NUR 02100) ...........................................9
- Nursing the Emotionally Ill (NUR 02000) ......................................4
- Nursing the Ill Adult II (NUR 02200) .............................................5

Fourth Semester
- Freshman English II (ENG 02400) ...............................................3
- Nursing the Ill Adult I (NUR 02100) ................................................5

Fifth Semester
- Introduction to Sociology (SOC 03100) .................................3
- Family-Centered Maternity Nursing (NUR 01900) ..........4
- Nursing of Children (NUR 02300) ........................................5
- Issues in Nursing (NUR 02400) .................................................1

ELECTIVES: Sufficient to meet required total of 66-67 credits

- This program is within the Nursing Department.
- Consultation with the Department Advisor is required.

The Nursing Program is accredited by the National League for Nursing Accrediting Commission (NLNAC). Information is available by contacting the National League for Nursing Accrediting Commission, 61 Broadway, New York, N.Y. 10006.
A.A.S. SURGICAL TECHNOLOGY•
TOTAL CREDITS: 64

Requirements for Matriculants

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

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

ENG 01200 .................................................................3 credits
ENG 02400 .................................................................3 credits

DEPARTMENT REQUIREMENTS §
Surgical Pharmacology (ST 04500) ..............................................3
Surgical Technology I (ST 00100) ................................................3
Surgical Technology II (ST 00200) ..............................................2
Surgical Technology III (ST 00300) ............................................4
Practicum I (ST 03P00) ............................................................2
Surgical Procedures (ST 00400) ...............................................3
Practicum II (ST 04P00) ...........................................................3
Advanced Surgical Procedures (ST 00500) ..............................4
Practicum III (ST 05P00) ..........................................................3
Professional Strategies for the Surgical Technologist
(ST 00600) ........................................................................2
Practicum IV (ST 06P00) ...........................................................3

GENERAL EDUCATION REQUIREMENTS

Group A: ARTS AND HUMANITIES
Ethics and Morality in the Health Professions
(PhI 07600) ........................................................................3 credits

Group B: BEHAVIORAL AND SOCIAL SCIENCES ....6 credits
Anthropology – Economics – History – Political Science – Psychology – Sociology

Group C: MATHEMATICS AND SCIENCES
Principles of Mathematics (MAT 00700) ..................................4
Human Anatomy and Physiology I and II (BIO 01100
and 01200) ...........................................................................8
Microbiology of Health and Disease (BIO 05100) .................4

ELECTIVE: One (1) credit sufficient to meet required total of 64 credits

• This program is within the Nursing Department
§ Consultation with the Department Advisor is required.

CERTIFICATE IN ALCOHOLISM AND SUBSTANCE ABUSE COUNSELING•
TOTAL CREDITS: 25

Requirements for Matriculants

COLLEGE REQUIREMENTS
Passing scores on the CUNY ACT Reading, Writing and Mathematics Exams or developmental courses will be required.

ENG 01200 .............................................................................3 credits

CERTIFICATE REQUIREMENTS §
Introduction to Alcoholism and Substance Abuse Counseling
(SAC 02000) ...........................................................................3 credits
Counseling Techniques in the Substance Abuse Field I
(SAC 02200) ...........................................................................3 credits
Counseling Techniques in the Substance Abuse Field II
(SAC 02400) ...........................................................................3 credits
Confidentiality, Ethics, & the Counselor/Client Relationship
(SAC 02600) ...........................................................................3 credits
Approaches to Treatment Varieties of Alcohol & Substance
Abuse Internship (SAC 02800) .................................................3 credits
Substance Abuse Counseling Field Internships I and II
(SAC 091A0 & SAC 091B0) .................................................... 7 credits

• This program is within the Department of Behavioral
Sciences and Human Services.
§ Consultation with the Department Advisor is required.

CERTIFICATE IN AVIATION AND CRUISE OPERATIONS•
TOTAL CREDITS: 16

Requirements for Matriculants

COLLEGE REQUIREMENTS
Passing scores on the CUNY ACT Reading, Writing and Mathematics Exams or developmental courses will be required.

CERTIFICATE REQUIREMENTS §
Tourism Entrepreneurship (TAH 01200) ..................................3 credits
Airport and Aviation Management (TAH 06500) ......................3 credits
Cruiseline Marketing and Sales (TAH 08204) ..........................3 credits
The Virtual Enterprise (TAH 09096) ......................................3 credits
Professional Portfolio (TAH 09160) .......................................1 credit
Field Experience in Tourism and Hospitality (TAH 09250) .... 3 credits

• Courses will be offered at Lehman College’s CUNY on the
Concourse campus through Kingsborough Community College’s
Center for Economic & Workforce Development Office,
718 368-5582.
§ Consultation with the Department Advisor is required.
CERTIFICATE IN CULINARY ARTS •
TOTAL CREDITS: 28

Requirements for Matriculants

COLLEGE REQUIREMENTS
Passing scores on the CUNY ACT Reading, Writing and Mathematics Exams or developmental courses will be required.

CERTIFICATE REQUIREMENTS
Introduction to Professional Foodservice (TAH 07100) ........................................... 3 credits
Culinary Arts I: Skills (CA 00100) ................................................................................. 3
Culinary Arts II: Major Techniques (CA 00200) ................................................... 3
Baking and Pastry (CA 01100) ................................................................................. 3
Food Safety and Sanitation Certification (CA 02100) ........................................... 1
Garde Manger and Charcuterie (CA 00300)
  or Patisserie (CA 01200) ..................................................................................... 3
Restaurant Operations (TAH 07200)
  or Menu and Dining Room Management (TAH 07400) .................................. 3
Food and Beverage Cost Control (CA 05000)
  or Beverage Management (CA 06000) ............................................................... 3
Global Improvisation Capstone (CA 09000) ......................................................... 3
Internship in Culinary Arts (CA 09200) ................................................................. 3

• This program is within the Department of Tourism and Hospitality.
* Includes National Restaurant Association Pro/Management Certification.

CERTIFICATE IN MARINE MECHANIC •
TOTAL CREDITS: 24

Requirements for Matriculants

COLLEGE REQUIREMENTS
Passing scores on the CUNY ACT Reading, Writing and Mathematics Exams or developmental courses will be required.

CERTIFICATE REQUIREMENTS
Marine Operations (MT 04300) ............................................................................. 3 credits
Introduction to Outboard Motors (MT 05000) ...................................................... 2
Introduction to Diesel Engines (MT 05100) ....................................................... 2
Welding (MT 05200) ........................................................................................... 2
Fiberglass and Hydraulic Repairs (MT 05300) ...................................................... 2
Low Voltage Electrical Systems (MT 05400) ....................................................... 2
Marine Electronics (MT 05500) ........................................................................... 2
Advanced Outboards (MT 05600) ..................................................................... 3
Vessel Systems (MT 05700) ................................................................................ 3
Advanced Welding (MT 05800) ........................................................................ 3

• This program is administered by the Office of the Director of Maritime Technology (Department of Tourism and Hospitality).

CERTIFICATE IN HOSPITALITY AND MEETING PLANNING •
TOTAL CREDITS: 16

Requirements for Matriculants

COLLEGE REQUIREMENTS
Passing scores on the CUNY ACT Reading, Writing and Mathematics Exams or developmental courses will be required.

CERTIFICATE REQUIREMENTS
Tourism Entrepreneurship (TAH 01200) .............................................................. 3 credits
Front Office Operations (TAH 02200) .................................................................. 3
Introduction to Meeting Planning (TAH 04100) ................................................. 3
The Virtual Enterprise (TAH 09096) ................................................................. 3
Professional Portfolio (TAH 09160) ................................................................. 1
Field Experience in Tourism and Hospitality (TAH 09250) .......................... 3

• Courses will be offered at Lehman College's CUNY on the Concourse campus through Kingsborough Community College’s Center for Economic & Workforce Development Office, 718 368-5582.
$ Consultation with the Department Advisor is required.
CHANGES IN PRE-/CO-REQUISITES

EXS 01000 – KINESIOLOGY OF EXERCISE (3 crs. 3 hrs.)
Mechanical principles of human motion; macroscopic analysis of bones and muscles; joint leverage and limitations; types of muscular contractions and the relationship of muscular efficiency to posture; analysis of motor activities.
Pre-requisite: BIO 001100

EXS 01100 – PHYSIOLOGY OF EXERCISE (3 crs. 3 hrs.)
The effects of exercise on human body; the foundation of exercise physiology and the application of the physiological principles which govern the science of sport and exercise. Emphasis is on how the cardiovascular and pulmonary systems work with the muscular system and the development of safe and productive physical training programs.
Pre-requisite: BIO 001100

FD 09200 – FIELD EXPERIENCE IN FASHION DESIGN
(1 class hour, 8 internship hours -minimum)
Supervised field experience in fashion design, plus one hour a week devoted to seminar discussion of relevant field experience, is required. All students must have an internship as an assistant designer.
Pre-Co-requisite: Open only to select Fashion Design majors with a GPA of 3.0 or higher.

POL 09300 – CIVIC ENGAGEMENT IN A GLOBALIZED WORLD (3 crs. 3 hrs.)
Introduction to contemporary global politics and a capstone course for the A.A. in Liberal Arts’ Global Environment Studies Option. Survey of topics including, war, terrorism, security, poverty, the environment, human rights, international organizations, gender issues, inequality, the global economy and international law. Additional time is required for internship in an organization working on global and environmental issues. Course fulfills Group III or Group B General Education Requirements.
Pre-requisite: Open only to Liberal Arts majors who have completed LIB 00100 and accumulated 45 or more credits

NEW COURSES

ENG 04800 – AMERICAN ENVIRONMENTAL LITERATURE
(3 crs. 3 hrs.)
A survey of American nature writing and environmental literature from its roots in the colonial era through its flowering in the twentieth century. Examples of reading include Thoreau's Walden, Aldo Leopold's Sand County Almanac, and Rachel Carson's Silent Song and a representative range of shorter works from four centuries to explore the evolution of ideas about nature. Selections include natural histories, travelogues, journals and diaries, essays, poetry, and short stories.
Prerequisite: ENG 01200

ST 00100 - SURGICAL TECHNOLOGY I
(3 credits, 3 hours)
Comprehensive study of the operative environment, professional roles, communications techniques and ethical responsibilities.
Corequisite: ST 00200
Pre-requisites: BIO 01100, ENG 01200

ST 00200 - SURGICAL TECHNOLOGY II
(2 credits, 6 hours (2 lecture, 4 lab)
Provides theoretical knowledge for the application of essential skills during the perioperative phase of patient care. It introduces the student to the practice of surgical technology with a focus on those skills necessary for function in the scrub role.
Corequisite: ST 00100
Pre-requisites: BIO 01100, ENG 01200