

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:

DEGREE	UPDATES CATALOG PAGE NUMBER
• A.A. Liberal Arts .....	36
• A.S. Exercise Science/Personal Training .....	47
• A.A.S. Fashion Design.....	59
• Certificate in Alcoholism and Substance Abuse Counseling .....	71
• Certificate in Culinary Arts.....	71

### Degree Requirement Corrections:

DEGREE	UPDATES CATALOG PAGE NUMBER
• A.S. Chemical Dependency .....	42
• A.S. Community Health.....	43
• A.A.S. Nursing .....	62
• A.A.S. Surgical Technology .....	67
• Certificate in Aviation and Cruise Operations.....	71
• Certificate in Hospitality and Meeting Planning ....	72
• Certificate in Marine Mechanic .....	73

### Changes in Pre-/Co-Requisites

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

### New Course

ENG 04800
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**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](http://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 <b>or</b> Anthropology .....	3
Psychology .....	3
Sociology .....	3
Group B Elective* .....	0–3

See Online College Catalog or Department Website for specific course options

#### 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 credits
- 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 credits
- 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
Speech 01100 <b>or</b> 01200 <b>or</b> 02100 .....	3
Literature .....	3
Philosophy .....	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) .....

**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

### DEPARTMENT REQUIREMENTS

#### ALL Majors must take:

Concepts of Wellness (HPE 01200) .....	3 credits
Introduction to Community Health (COH 01100) .....	3
Critical Issues in Community Health (COH 01200) .....	3
Principles of Epidemiology (COH 01300) .....	3
Community Health Interventions (COH 02000).....	3
Introduction to Computer Concepts (BA 06000)	
<b>or</b> Office Computer Applications (TEC 02500)*	
<b>or</b> 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 <b>or</b> II (RPE 03100 <b>or</b> RPE 03500) .....	3
Perspectives on Death and Dying (NUR 04300) .....	3

#### HEALTH ADMINISTRATION

Fundamentals of Business (BA 01100) .....	3 credits
Organizational Behavior and Management (BA 03100) .....	3
Macroeconomics (ECO 01200) <b>or</b> Microeconomics (ECO 01300) .....	3

#### HEALTH EDUCATION AND PROMOTION

<b>Two of the following four courses:</b> .....	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

#### 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
Confidentiality, Ethics and the Counselor/Client Relationship in Substance Abuse Counseling (SAC 02600).....	3

### 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. 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 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 - Literature*

*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.



# A.A.S. NURSING•

## TOTAL CREDITS 66-67

### 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
Drug Calculations in Nursing (NUR 01700).....	1
Fundamentals of Nursing (NUR 01800) .....	7

##### THIRD SEMESTER

Microbiology in Health and Disease (BIO 05100) .....	4
Nursing the Ill Adult I (NUR 02100) .....	9

##### FOURTH SEMESTER

Freshman English II (ENG 02400) .....	3
Nursing the Emotionally Ill (NUR 02000).....	4
Nursing the Ill Adult II (NUR 02200) .....	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

Students requiring remediation based upon College placement test scores may be required to take any or all of the following prior to taking the Pre-Clinical Sequence: Developmental Math (0M100 and 0M200, or MAT 0R200); English Skills (ENG 00400, 09100, 09200 &/or 09300); Preparatory Biology (BIO 01000).

**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. *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

#### 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
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##### Group B: BEHAVIORAL AND SOCIAL SCIENCES .....

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

##### Group C: MATHEMATICS AND SCIENCES

Principles of Mathematics (MAT 00700) .....	4 credits
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
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#### CERTIFICATE REQUIREMENTS §

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

- 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
Cruiseline Marketing and Sales (TAH 08204) .....	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.

## 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)	
<b>or</b> Patisserie (CA 01200).....	3
Restaurant Operations (TAH 07200)	
<b>or</b> Menu and Dining Room Management (TAH 07400) .....	3
Food and Beverage Cost Control (CA 05000)	
<b>or</b> 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.

# COURSE CHANGES

## **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

### **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

## **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 Spring* 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