

UNDERGRADUATE BULLETIN UPDATE

September 2010

Dear Queens College Student,

This supplement to the online Queens College Undergraduate Bulletin 2007–2009 contains changes to tuition rates and degree requirements, new program descriptions, and new and revised courses that have recently been passed by the Queens College Academic Senate and approved by the CUNY Board of Trustees. All changes to collegewide requirements (e.g., General Education) are in effect for students entering in fall 2010, unless otherwise noted. Changes to the requirements for the major (or minor) are in effect for students who declare their major (or minor) in fall 2010 or later.

Items in this supplement are organized alphabetically by department. Items are preceded by italicized statements that describe the nature of the change or addition, and direct the reader to the text in the current Bulletin that is being updated.

As items are added to this supplement, this page will list the new additions. The biannual Bulletin will be published next year. Questions should be directed to the appropriate academic department or to the Office of Academic Advising.

With best wishes for your academic success,

James Stellar, Provost

This update is being sent to inform you of two very important changes to the New York State TAP program. These changes were enacted as part of the recently passed 2010 New York State budget. The first change involves a decrease in the dollar amount of TAP awards students will receive. Every TAP semester award is reduced by \$37.50. Graduate students are no longer eligible for TAP. Married students without dependents will have their TAP awards reduced even further. HESC has emailed this information to all TAP awardees who have email addresses.

The second main change to the program involves the academic standards needed to continue receiving TAP. The standards are now much stricter, requiring some students who received their first TAP payment in 2007 or later, to accumulate a higher number of credits toward their degree and maintain a higher grade-point average to receive TAP. It is very important that you understand this so that you know how many credits you must enroll for and must pass each semester in order to keep your eligibility for the TAP program.

We have detailed information on the Queens College Financial Aid's website: www.qc.cuny.edu/fao including charts of the new academic standards.

Note that the information at the link provided above replaces the information in the current Bulletin that appears under the heading "Paying for College."

Queens College Tuition

Effective as of Fall 2009

	New York State Resident Students	Out-of-State Resident or International Students
Undergraduate		
Full-time	\$2,300 per semester	\$415 per credit*
Part-time	\$195 per credit	\$415 per credit*
Non-Degree*	\$285 per credit	\$610 per credit*
Graduate		
Full-time	\$3,680 per semester	\$575 per credit/\$85 per excess hour*
Part-time	\$310 per credit/\$65 per excess hour	\$575 per credit/\$85 per excess hour*
Non-degree*	\$310 per credit/\$65 per excess hour	\$575 per credit/\$85 per excess hour*

*There are no maximum tuition charges.

All tuition and other fees listed in any material issued by the college are subject to change. In the event of any increase in fees or tuition charges, payments already made to the college will be treated as partial payments, and notification will be given of the additional amount due and the time and method of payment.

Curriculum Changes

ACCOUNTING

See *Economics* section for a description of a new minor in *Financial Modeling*.

New Courses

ACCT 123. Accounting for Financial Modeling.

3 hr.; 3 cr. Prereq.: CSCI 088. Enrollment limited to students admitted to the Minor in Financial Modeling, and may not substitute for ACCT 101 or 102. The fundamentals and mechanics of financial accounting sufficient to enable the student to understand types of modifications needed in data to construct meaningful financial models from databases (such as COMPUSTAR, EDGAR, and Morning Star). Coverage includes the basic accounting equation from an accrual perspective. Prepares students to use footnote disclosures to estimate adjustments to account data in the database to model data from the financial statements of multiple companies for both intra- and inter-industry comparative models.

ACCT 398. Internship. 140 hr.; 3 cr. Prereq.: Permission of chair. Open only to accounting majors who are at least lower seniors with a major GPA of at least 3.0. Under the supervision of a full-time faculty member in Accounting, students will complete at least 140 hours of work at an approved accounting firm. Students will keep a daily log of activities, read two books approved by the faculty mentor, preparing book summaries of 5–8 pages each, and will meet bi-weekly with the faculty mentor to assess progress. Students will write a final research paper of at least 20 pages on a topic relevant to the nature and scope of the internship, and that has been approved by the faculty mentor. The internship may be used as one of the “Group A” electives required for the major in Accounting and Information Systems.

Revised Courses

Change in number and prerequisite:

ACCT 261. Business Law I. 3 hr.; 3 cr. Prereq.: Sophomore standing.

Change to existing course:

ACCT 372. Governmental and Not-for-Profit Accounting and Auditing. 3 hr.; 3 cr. Prereq.: ACCT 202 and junior standing. The course focuses on accounting, financial reporting, and auditing relevant to governmental and not-for-profit entities. Fall, Spring

ANTHROPOLOGY

New Course

ANTH 354. Time. 3 hr.; 3 cr. Prereq.: ANTH 101 or 103, and 6 credits of courses which satisfy the Analyzing Social Structures PLAS requirement, 3 credits of Culture and Values, and 3 credits of Natural Sciences. The exploration of human understanding and experience of time from multiple perspectives including the social sciences, philosophy, literature, and the natural sciences.

ART

Revised Program Requirements

In the degree requirements box, under the heading “Graphic Design,” replace text with the following:

To:

For the BS degree (total of 54 credits), a student must complete the following sequence:

Art History Core Courses (12 credits):

ARTH 101, 102, plus two electives: from the following: ARTH 200–299, MEDST 144, 146.

Graphic Design Required Courses (24 credits):

ARTS 171, 241, 242, 243, 245, 246, 345, 395. Majors must have a working knowledge of software for page layout, image editing, and drawing, or they must take ARTS 191 before ARTS 241.

Graphic Design Elective Courses (18 credits):

Six courses from: ARTS 157, 165, 188, 193, 195, 205, 207, 210, 213, 215, 217, 221, 277, 278, 279, 286, 287, 289, 290, 296, 370.

In addition, Graphic Design majors may take additional studio art courses (including those needed for the Minors in Digital Graphics, in Animation and Illustration, and in Digital Moviemaking and Imagemaking), but no more than a total of half of their credits for graduation, as limited by the BS degree.

Students who elect any of the minors listed above cannot count the same courses for both the graphic design major and the minor. Instead, additional courses must be taken.

In the degree requirements box, in the descriptions of requirements for the minors, the first two sentences (ending with the phrase “. . . computer-based electives”) under the heading “Digital Graphics (Minor Code 63)” are replaced with the following:

To:

Required courses (21 credits):

Seven courses from ARTS 157, 165, 171, 188, 193, 195, 205, 207, 210, 213, 215, 217, 221, 243, 277, 278, 279, 287. Basic drawing skills (ARTS 151 or equivalent) and a good working knowledge of page layout, image editing, and drawing software (ARTS 191 or equivalent) are recommended before beginning the minor.

In the degree requirements box, in the description of requirements for the minors, text under the heading “Studio Art (Minor code 08)” is replaced with the following:

To:

Studio Art (Minor code 08)—Required (21 credits):

one course from ARTH 001–399 and six courses from ARTS 150–299. Students should be aware of course prerequisites and consult with an advisor if necessary.

Under the heading “Studio Art/Graphic Design Basic Studio Courses, Level 1” and just prior to the description of ARTS 150, the paragraph is replaced with the following:

To:

Studio Art/Graphic Design

Basic Studio Courses, Level 1

The following introductory courses are also open to anyone in the college: ARTS 150, 151, 157, 161, 165, 171, 176, 182, 186, 191, 198. No previous experience is necessary.

Two New Minors to be inserted at the bottom of degree requirements box in the requirements for the “Minors in Art” section:

To:

Minor in Animation and Illustration (21 credits):

Seven courses from ARTS 171, 188, 193, 205, 207, 213, 215, 221, 259, 277, 278, 279, 359. Students should have previous experience in drawing (ARTS 151 or equivalent). Note: The following students are not eligible for this minor: BA in Studio Art or Art Ed. Majors and any BA student with more than 9 non-liberal arts credits. BFA and BS in Graphic Design majors are eligible, but they cannot use

courses applied to their major to satisfy this minor. Instead, additional courses must be taken.

Minor in Digital Moviemaking and Imagemaking (21 credits):

Seven courses from ARTS 157, 165, 205, 207, 217, 221, 225, 235, 277, 278, 279, 287. Note: The following students are not eligible for this minor: BA in Studio Art or Art Ed. Majors and any BA student with more than 9 non-liberal arts credits. BFA and BS in Graphic Design majors are eligible, but they cannot use courses applied to their major to satisfy this minor. Instead, additional courses must be taken. FLIP now brings even video within the range of most students.

New Courses

ARTS 157. Digital Moviemaking. 4 hr.; 3 cr.

Introduction to the making of short movies. Emphasis is on the creative aspects of moviemaking such as storytelling, character development, abstract visual imagery, documentation, etc., using simple software and inexpensive equipment.

ARTS 165. Digital Imagemaking. 4 hr.; 3 cr.

Introduction to digital imagemaking. Emphasis is on the creative aspects of using a digital still camera such as subject matter, point of view, natural and artificial light, etc., using a DSLR or other digital equipment and basic image processing software.

ARTS 193. VT: Vector Animation. 4 hr.; 3 cr.

Introduction to animation using an industry-standard program such as Toon Boom Studio. Topic will be announced before pre-registration.

ARTS 195. VT: Image Processing. 4 hr.; 3 cr.

Introduction to image processing for graphic design, digital imaging, and electronic publishing. Topic will be announced before pre-registration.

ARTS 205. VT: Color Correction. 4 hr.; 3 cr.

Principles and methods of digital tone control and color correction for graphic design, imagemaking, and video. Topic will be announced before pre-registration.

ARTS 207. VT: Non-linear Editing. 4 hr.; 3 cr.

Introduction to the editing of video streams. Topic will be announced before pre-registration. Prior experience with digital moviemaking, ARTS 157 or equivalent, is recommended.

ARTS 210. VT: Vector Graphics. 4 hr.; 3 cr.

Introduction to vector graphics for online publishing. Topic will be announced before pre-registration. No prior computer experience necessary.

ARTS 213. VT: 3D Modeling. 4 hr.; 3 cr.

Introduction to principles and techniques for 3D modeling. Topic and suggested preparation or special equipment will be announced before pre-registration.

ARTS 215. 2D Animation. 4 hr.; 3 cr.

Traditional, hand-drawn animation as well as cutout and stop-motion animation.

ARTS 217. Digital Moviemaking II. 4 hr.; 3 cr. Prereq.:

ARTS 157. A continuation of ARTS 157. Additional experience in non-linear video editing techniques (ARTS 207 or equivalent) is recommended. Special equipment, if any, will be announced before pre-registration.

ARTS 221. VT: Video Graphics and Compositing.

4 hr.; 3 cr. The principles and techniques of video graphics and compositing. Topic will be announced before pre-registration. Some prior computer graphic experience (ARTS 157, 195, 207, 210 or equivalents) is recommended.

ARTS 225. Digital Imagemaking II. 4 hr.; 3 cr. Prereq.:

ARTS 165. In addition to the prerequisite, additional experience with digital tonal- and color-correction techniques (ARTS 205 or equivalent) is recommended. Required equipment will be announced before pre-registration.

ARTS 235. Digital Imagemaking III. 4 hr.; 3 cr.

Prereq.: ARTS 225. Required equipment will be announced before pre-registration.

Revised Courses

Change in prerequisites:

ARTS 241. Graphic Design I. 4 hr.; 3 cr. Prereq.:

ARTH 101, ARTS 171 and 191 (or a working knowledge of page layout and imaging software); coreq.: ARTS 242 and 243. Graphic design is the process of using words and images to communicate with, inform, and persuade individual persons and audiences. This course presents a survey of introductory level exercises in representative graphic design fields such as publishing, advertising, corporate identity, signage, and packaging.

Change in prerequisite and description:

ARTS 276. VT: Photography II. 4 hr.; 3 cr. In addition to the refinement of technical skills the class includes illustrated lectures on historical and contemporary photography, gallery and museum visits, and group critiques. The

topic and necessary preparation will be announced before pre-registration, and the course may be taken a total of two times for credit if the topic is different.

Change in title and description:

ARTS 355. VT: Photography III. 4 hr.; 3 cr. Prereq.: ARTS 276. The topic (traditional or digital photography) and necessary preparation will be announced before pre-registration, and the course may be taken a total of two times for credit if the topic is different.

Change in title, prerequisite, and description:

ARTS 353. VT: Art of the Book. 4 hr.; 3 cr. Topic, along with necessary previous study where appropriate, will be announced before pre-registration. May be taken a total of three times for credit if the topic is different.

ARTS 386. VT: New Forms. 4 hr.; 3 cr. Prereq.: At least two level-2 courses. The exploration of values, concepts, and working methods in the visual arts which abandon the traditional limits and characteristics of painting, sculpture, and printmaking, etc., to enlarge both formal vocabulary and ways of communicating. Topic will be announced before pre-registration. May be repeated for credit a total of three times if the topic is different.

ARTS 390. VT: Studies in Contemporary Art. 4 hr.; 3 cr. Prereq.: At least two level-2 courses. Colloquium designed to develop critical awareness. Topic will be announced before pre-registration. May be repeated for credit a total of three times if the topic is different.

Change in prerequisite and description:

ARTS 277. VT: Pixel-based Imagery. 4 hr.; 3 cr. Advanced work in scanner- and camera-derived, pixel-based imagery. Topic and suggested preparation will be announced before pre-registration. May be taken three times for credit if topic is different.

ARTS 278. VT: Vector-based Imagery. 4 hr.; 3 cr. Advanced work in vector-based imagery and web and video technology. Topic and suggested preparation will be announced before pre-registration. May be taken three times for credit if topic is different.

ARTS 279. VT: Animation and 3-D Modeling. 4 hr.; 3 cr. Advanced work in animation and 3-D modeling. Topic and suggested preparation will be announced before pre-registration. May be taken three times for credit if topic is different.

ARTS 282. Ceramics II. 4 hr.; 3 cr. Prereq.: ARTS 186.

Change in number and description:

ARTS 186. Ceramics I. 4 hr.; 3 cr. Introduction to fundamental techniques such as throwing on the potters wheel, hand building, decorating, glazing and firing, and basic health and safety procedures.

Change in description:

ARTS 287 VT: Moviemaking. 4 hr.; 3 cr. The topic and suggested preparation or special equipment will be announced before pre-registration. May be taken three times for credit if topic is different.

Change in number, prerequisite, description, frequency of scheduling:

ARTS 259. Illustration II. 4 hr.; 3 cr. Prereq.: ARTS 188. In addition to the prerequisite, additional courses in art, ARTS 152 and 171 or their equivalents, are recommended.

ARTS 359. Illustration III. 4 hr.; 3 cr. Prereq.: ARTS 259.

BIOLOGY

New Courses

BIOL 034. Genomics Research Experience I. 3 cr. Open to freshmen only. The first part of a two-semester sequence (BIOL 034 and 035) that will introduce students to the scientific method for designing procedures for investigating natural phenomena, collecting data, acquiring new knowledge, and correcting and integrating existing knowledge. Students with no background in biology will participate in an authentic research experience—integrated into a laboratory course designed for freshmen—that will result in a significant contribution to the understanding of microbial genomics. During the fall course, soil samples will be collected in the field. From these samples students will identify and purify bacteriophages (viruses that infect bacteria). The bacteriophages will be characterized structurally by electron microscopy, and their DNA will be purified and sequenced. Fall

BIOL 035. Genomics Research Experience II. 3 cr. Prereq.: BIOL 034. The second part of a two-semester sequence (BIOL 034 and 035). During the spring course, open only to those completing the fall course (BIOL 034), DNA sequences of phages obtained during the fall semester will be analyzed with bioinformatic tools and compared with those of phages isolated at other locations. The goal is to identify genes and their organization, examine their similarities and differences that may characterize different phage groups, and determine how these groups may have arisen during evolution. Spring

BUSINESS AND LIBERAL ARTS (BALA)

Reclassification of Course

Change in course title:

BALA 165. Communication in the Workplace.

CHEMISTRY AND BIOCHEMISTRY

Revised Program Requirements

Change to the “Degree Requirements for the Major in Chemistry” box with the following:

To:

Students must have a grade of *C* or better in all introductory (100-level) and intermediate (200-level) courses specified as prerequisites. Students must have a grade of *C–* or better for all advanced (300-level) courses specified as prerequisites. To graduate as a chemistry major in any concentration, students must earn at least a *C* average (2.0) for all courses specified for the concentration.

All Concentrations

Introductory courses – CHEM 113.4, 113.1, and 114.4;

Foundation courses – CHEM 211, 251.4, 331.3, 341.3, and 371;

In-depth courses – CHEM 252.4 and 395;

Laboratory courses – CHEM 114.1, 251.1, 252.1, 331.IV, and 341.1;

Cognate courses – BIOL 105, PHYS 145 and 146, MATH 122 (or equivalent), MATH 151 and 152 (or MATH 141, 142, and 143).

Replace the text in the “Requirements for the Major in Chemistry” box with the following:

Chemistry Concentration

In-depth courses – CHEM 212 and one advanced elective from CHEM 351, 352, 372, 378, or 385; Laboratory courses – One course from CHEM 376, 387, and 388 and two additional credits selected from CHEM 291, 376, 387, 388, 391.1–3, HMNS 291.1–3, or HMNS 391.1–3.

Biochemistry Concentration

In-depth courses – CHEM 372 and 378; Laboratory courses – CHEM 376 and two credits selected from CHEM 291, 388W, 391.1–3, HMNS 291.1–3, and HMNS 391.1–3.

Chemical Education Concentration

In-depth courses – SEYS 362 and 382; Laboratory courses – Three credit hours selected from CHEM 321.1–3W; Cognate courses – SEYS 201W, 221, 340, 350, 372.2, and 372.4.

Change to “The Minor”:

Required: CHEM 113.4, 113.1, 114.4, 114.1, 251.4, 251.1, 252.4, 252.1, and one of the following set: CHEM 331.3 and 331.1, CHEM 371 and 376, five credits of CHEM 391 (or equivalent HMNS course) or five credits of CHEM 321.1–3 (for students in science education only).

New Courses

CHEM 388. Advanced Physical and Biophysical Chemistry Laboratory.

1 rec., 4 lab. hr.; 2 cr. Prereq.: A grade of *C* or better in CHEM 211; prereq. or coreq.: CHEM 212 or 378 and permission of the instructor. An introduction, using a project-based approach, to standard techniques and experiments in physical and biophysical chemistry. Chemical modeling and advanced data analysis are also covered. Written reports and presentations are required. Field trips may be taken that will require a field trip fee. Spring

Withdrawn Course

CHEM 316W. Physical Chemistry Laboratory.

Courses withdrawn from the reserve list:

CHEM 112. Introductory College Chemistry.

CHEM 115. Introductory College Chemistry.

CHEM 119. Introductory College Chemistry.

COMPUTER SCIENCE

Revised Program Requirements

See Economics section for a description of a new minor in Financial Modeling

New Minor in Computational Linguistics:

The Computer Science Department and the Linguistics and Communication Disorders Department jointly offer a minor in Computational Linguistics that is designed to provide students majoring in Computer Science (BA or BS degree) or General Linguistics with the necessary interdisciplinary skills for a career in research, application, and technology development of computerized natural language processing. Requirements for the Minor in Computational Linguistics: Computer Science majors (18 cr.): LCD 101, one of 102, 110, or 130; and 120, 220, 306, and a 300-level CSCI elective in an area of natural language processing (which may count as an elective for the CS major).

General Linguistics majors (18 cr.): CSCI 111, 120, 212, 314, a 300-level CSCI elective in an area of natural language processing, and a course in probability and statistics (either MATH 114 or MATH 241). If students have the appropriate prerequisites, they are encouraged to take MATH 241 because it provides a stronger foundation for their further study or research in computational linguistics beyond the courses in this minor.

Other majors (33 cr.): Students in any other major have to complete both lists of required courses.
 The minimum grade in any required course is C–; the minimum combined grade point average for courses in the minor is 2.7 (B–). At least half of the required course credits must be completed at Queens College.

Appendix	Course Titles
CSCI 111.	Introduction to Algorithmic Problem-Solving
CSCI 120.	Discrete Mathematics for Cross-Disciplinary Minors
CSCI 212.	Object-Oriented Programming in Java
CSCI 314.	Data Structures for Cross-Disciplinary Minors
LCD 101.	Introduction to Language
LCD 102.	Linguistic Analysis
LCD 110.	Phonetics
LCD 120.	The Syntactic Structure of English I
LCD 130.	The Sound Structure of English
LCD 220.	The Syntactic Structure of English II
LCD 306.	Semantics and Pragmatics
MATH 114.	Elementary Probability and Statistics
MATH 241.	Introduction to Probability and Mathematical Statistics

New Courses

CSCI 120. Discrete Mathematics for Cross-Disciplinary Minors. 3 hr.; 3 cr. Prereq.: MATH 122 or equivalent. Induction; counting in finite sets; binomial theorem; asymptotic order of functions; exponential, polynomial and logarithmic relationships; algorithm as a functional input-output map; specification, elementary analysis of running time; recursion in functions, algorithms, and trees; recurrences in modeling and algorithm analysis; linear recurrences; master theorem. All topics will center around appropriate problem-solving exercises. Not open to CSCI majors and minors.

CSCI 314. Data Structures for Finance. 3 hr.; 3 cr. Prereq.: CSCI 120 and CSCI 212. Open only to students majoring in finance. Fundamental data structures and their implementations: stacks, queues, trees (binary and AVL), heaps, graphs, hash tables. Searching and sorting algorithms. Runtime analysis. Examples of problem-solving using greedy algorithm, divide-and-conquer, and backtracking.

CSCI 365. Computational Finance. 3 hr.; 3 cr. Prereq.: CSCI 313 and MATH 241; or CSCI 314 and ECON 249 for finance students. Valuation of financial derivatives as

a family of algorithmic computations, with analysis of the underlying financial model and hands-on implementation practice. Time value of money, arbitrage-based pricing, risk-free portfolio, hedging, fundamentals of capital asset pricing model, collateralization, marking to market, margining, market risk, credit risk, netting, modeling stochastic behavior with Weiner processes, Itô’s Lemma, the Black-Scholes-Merton model, volatility smiles, path-dependent and exotic derivatives.

Revised Courses

Change in title:

CSCI 120. Discrete Mathematics for Cross-Disciplinary Minors.

Change in title and prerequisites:

CSCI 314. Data Structures for Cross-Disciplinary Minors. Prereq.: CSCI 120 and 212. Open only to students enrolled in a cross-disciplinary minor sponsored by the Computer Science Department.

DRAMA, THEATRE, AND DANCE
Revised Program Requirements

Change to the minor in Dance:

In the requirements box, replace the text under the heading “Theatre-Dance (Minor Code 34)” by:

A minor in Dance consists of no fewer than 25 credits which must include:

1. DANCE 350, 351	6
2. DANCE 259	3
3. DANCE 173	3
4. Two from DANCE 160, 260, 360, 161, 261, 361	4
5. Two from DANCE 162, 262, 163, 263, 164, 165, 166	4
6. Two from DANCE 168, 268, 368, 169, 269, 369	4
7. DANCE 290	1
	25

Prior dance training and an audition are required.

Transfers: No more than six transfer credits may be applied to the major or minor.

New Courses

DRAM 155. Theatrical Texts and Times. 3 hr.; 3 cr. Connection of dramatic literature from various time periods with the culture and beliefs of people who lived during those times. Reading and analyzing plays written by Christopher Marlowe and several early plays of William Shakespeare with the opportunity to handle Elizabethan text by performing monologues and scenes; familiarization with

Elizabethan society and the issues facing the playwrights who wrote during that era.

DANCE 199. VT: Dance Technique Practicum. 3 hr.; 1 cr. Prereq.: Permission of instructor. Intended for students who have completed a dance technique course but whose instructor feels the student needs to improve technique before moving on to the next course in the sequence. May not be used for credit towards the major or minor in dance, and no more than 12 credits of DANCE 199 may be used towards the Baccalaureate degree.

DANCE 275. Choreographers' Showcase. 3 hr.; 1 cr. Prereq.: Audition. A laboratory in which students learn to design student-choreographed work that will culminate in a public performance. May be repeated.

DANCE 352. Dances of the African Diaspora. 3 hr.; 3 cr. This interdisciplinary seminar explores dance aesthetics and performance styles in the Americas from Brazil, through the Caribbean, to the U.S. South.

DANCE 375. Choreographers' Showcase. 3 hr.; 2 cr. Prereq.: Audition. A laboratory in which students create choreography that will culminate in a public performance. May be repeated.

DANCE 396. Special Topics in Dance and Movement. 2 hr.; 2 cr. Exploration of movement styles/theories not routinely included in the curriculum. Focus is on studio work. May be repeated if different material is taught.

DANCE 397. Special Topics in Dance and Movement. 3 hr.; 3 cr. A studio course designed to explore movement styles/theories not routinely included in the curriculum. Focus is on studio and academic work. May be repeated if different material is taught.

Revised Courses

Change in description:

DANCE 160. Modern Dance I. 3 hr.; 2 cr. A beginner studio course in modern dance techniques with emphasis on developing fundamental movement skills.

DANCE 161. Ballet I. 3 hr.; 2 cr. An introduction to classical ballet technique. Beginning with simple movements to stretch and strengthen the body, classes will progress to standard ballet exercises performed at the barre and in the center. Basic concepts of anatomy, alignment, rhythm, and musicality will be addressed.

Change in description and hours:

DANCE 162. Dance Techniques of Africa I. 3 hr.; 2 cr. A beginner studio course in specific dance forms of Africa. Emphasis on the fundamentals of polyrhythmic body articulation, fluidity, style, and control. Improvisation is introduced.

DANCE 163. Dance Techniques of the Caribbean I. 3 hr.; 2 cr. A beginner studio course in various dance forms of the Caribbean. Emphasis on the fundamentals of style, fluidity, and control. Personal expression and creativity are encouraged.

DANCE 164. Asian Performing Arts. 3 hr.; 2 cr. A studio course introducing the forms and techniques used in a specific Asian dance or theatre form. May be repeated once with permission of instructor if different material is taught.

Change in hours:

DANCE 165. Chi Gong. 3 hr.; 2 cr. An introduction to the ancient Chinese system of internal exercise with emphasis on balancing body and mind.

DANCE 166. Tai Chi Chuan. 3 hr.; 2 cr. An introduction to the physical practice of this traditional martial art form with emphasis on the principles of softness and overcoming weight with a balanced release of energy.

Change in description:

DANCE 168. Tap I. 3 hr.; 2 cr. A beginner studio course in rhythm tap with emphasis on technique, musicality, and style.

DANCE 169. Jazz I. 3 hr.; 2 cr. A beginner studio course in jazz dance techniques with emphasis on developing an awareness of rhythm and control. Students are introduced to jazz movement shapes, improvisation, and the discovery of a personal style.

Change in course titles and number and description:

DANCE 173. Choreography I. 3 hr.; 3 cr. Prereq.: Prior dance training and permission of department. A studio course introducing the basic skills, techniques, and methods used in choreography, including improvisation.

DANCE 260. Modern Dance II. 3 hr.; 2 cr. Prereq.: DANCE 160. An intermediate studio course in the modern dance idiom with emphasis on increased movement range, control, and complexity.

DANCE 261. Ballet II. 3 hr.; 2 cr. Prereq.: DANCE 161. A continuation of the classical ballet technique introduced in Ballet I and will continue at the advanced/beginning

to intermediate level. Barre and center work will progress in difficulty with both familiar and new exercises. Proper placement, ease of movement, and musicality will be emphasized.

DANCE 262. Dance Techniques of Africa II. 3 hr.; 2 cr. Prereq.: DANCE 162. An intermediate-advanced studio course in specific dance forms of Africa. Continued emphasis on the fundamentals of style, polyrhythmic body articulation, fluidity, and control. Includes a more in-depth exploration of improvisation and the relationship between drumming and dancing.

DANCE 263. Dance Techniques of the Caribbean II. 3 hr.; 2 cr. Prereq.: DANCE 163. An intermediate-advanced studio course in various dance forms of the Caribbean. Continued emphasis on the fundamentals of style, fluidity and control. Special attention also given to quality, improvisation, and performance.

DANCE 273. Choreography II. 3 hr.; 3 cr. Prereq.: DANCE 173. The application of the elements of choreography in creating solo and group dances. Works created in the class are presented in performance at the end of the semester.

Change in description:

DANCE 268. Tap II. 3 hr.; 2 cr. Prereq.: DANCE 168. An intermediate studio course in rhythm tap with continued emphasis on technique, musicality, and style. Students are introduced to phrasing and counting bars.

DANCE 269. Jazz II. 3 hr.; 2 cr. Prereq.: DANCE 169. An intermediate studio course in jazz dance techniques with continued emphasis on developing an awareness of rhythm and control. Includes a more in-depth exploration of improvisation and personal style.

Change in title:

DANCE 290. Practicum in Technical Theatre. 1 hr.; 1 cr. A practical hands-on introduction to technical theatre systems and equipment. Participants must serve as running crew for theatre and/or dance production.

DANCE 360. Modern Dance III. 3 hr.; 2 cr. Prereq.: DANCE 260. An advanced studio course in the modern dance idiom with emphasis on performance style and quality.

DANCE 361. Ballet III. 3 hr.; 2 cr. Prereq.: DANCE 261. In this course we will work on intermediate to advanced classical ballet technique. Throughout the class, we will focus on dancing with precision, rhythm, and musicality.

Change in description:

DANCE 368. Tap III. 3 hr.; 2 cr. Prereq.: DANCE 268. An advanced studio course in rhythm tap technique. Phrasing and style are taught with increased depth and students are introduced to the art of tap improvisation.

DANCE 369. Jazz III. 3 hr.; 2 cr. Prereq.: DANCE 269. An advanced studio course in jazz dance techniques. Individual creativity, and quality of performance are emphasized.

Change in course title, number, and description:

DANCE 373. Choreography III. 3 hr.; 3 cr. Prereq.: DANCE 273. More complex compositional problems are explored in the creation of dances that are mounted for a performance at the end of the semester.

Change in course title and description:

DANCE 385. Advanced Dance and Repertory Workshop. 3 hr.; 3 cr. Prereq.: Audition. A performance workshop combining the study of technique and composition in preparation for a public dance presentation. May be repeated.

Change in course title and description:

DANCE 395. Independent Study in Dance. DANCE 395.2, 395.3, 3 hr.; 2–3 cr. Permission of the department. Independent study projects under faculty supervision. May be repeated for credit if different work is involved.

DANCE 398. Seminar in Dance. 3 hr.; 3 cr. Prereq.: Permission of the department. Non-studio roundtable discussion course with emphasis on the development of analytical/critical reading and writing skills. Topics vary. May be repeated for credit if different work is involved.

Withdrawn Courses

DANCE 258. Dance Notation. 3 hr.; 3 cr.

DANCE 252. Dance Criticism and Aesthetics. 3 hr.; 3 cr.

DANCE 380.1. Dance Production. 1 hr.; 1 cr.

DANCE 380.2. Dance Production. 2 hr.; 2 cr.

DANCE 380.3. Dance Production. 3 hr.; 3 cr.

EARTH AND ENVIRONMENTAL SCIENCES

Revised Program Requirements

Replace the text in the School of Earth and Environmental Sciences degree requirements box under the heading "Environmental Sciences."

To:

Environmental Sciences

The interdisciplinary BA in Environmental Science (Geology concentration Major code 110) requires the courses listed below (Students desiring greater depth in Biology or Chemistry than is included in the ENSCI major are advised to declare a minor in Biology or Chemistry):

1. ENSCI 100, 200, and the capstone ENSCI 373; and completion of
2. the following introductory science courses that are pre-requisite for one or more of the core courses or advanced courses that follow: GEOL 101, CHEM 113.4 and 113.1, BIOL 105.0, MATH 151 (or equivalent), and PHYS 121;
3. one of the following 200-level Core Courses in addition to the ENSCI 200 listed above GEOL 208, 216, or ENSCI 203; and
4. two of the following 300-level Advanced Courses: GEOL 318, 342, 347, 349, 356, 370, 377, and BIOL 340. (Since additional advanced courses will be added to this list in the future, students are advised to check with the Undergraduate Advisor to find out about recently approved additions.)

For the BS in Environmental Science (Geology Concentration Major code 111) the student must satisfy the requirements for the BA and complete

1. MATH 114 (or equivalent);
2. the second semester of three of the required introductory Mathematics and Science courses listed for the BA (GEOL 102, BIOL 106.0, CHEM 114.4 and 114.1, MATH 152 (or equivalent) or PHYS 122);
3. one additional 200-level Core Course; and
4. two additional 300-level Advanced Courses.

Change text in the degree requirements box for the "Minor in Geology (Minor code 44)":

From:

GEOL 100 and any five courses numbered above GEOL 200.

To:

GEOL 101 and any five courses numbered above GEOL 200.

New Courses

ENSCI 203. Environmental Microbiology. 3 hr.

lec., 3 cr. Prereq.: BIOL 105, GEOL 101, ENSCI 100 and 200, or permission of the instructor. CHEM 113 highly recommended. A basic understanding and appreciation of microbial processes that may be applicable to students interested in geology, ecology, and environmental science. It covers the fundamental aspects of microbial biology and ecology with a particular emphasis on the roles of microorganisms in sustaining the web of life and earth systems. Specific areas of focus include microbial energetics and yield, enzymes and growth, cell structure and physiology, metabolic and genetic regulation, microbial/environmental interactions, and biogeochemical cycles. The study of microbial diversity and activity will be tightly coupled to the concept of Earth as a dynamic system.

GEOL 318. Soils in the Environment. 3 lec., 3 lab.

hr.; 4 cr. Prereq.: GEOL 201, or 208, or permission of the instructor. The processes and behavior of soils in natural and managed environments. This course will address the physical, chemical, and biological properties and processes of soils in the context of their roles in the environment. Topics include the function of soils in supporting plant growth, maintaining environmental quality, and their role in global biogeochemical cycling. Students will learn how soils develop and how management practices affect soil quality, ecosystem productivity, and environmental sustainability. The lab section of the course will provide hands-on experience in fundamental soil, physical, chemical, and biological analyses, field trips, and recitation.

ECONOMICS

Revised Program Requirements

In the requirements box under the heading "Requirements for all BBA Students," replace text with the following:

Business Fundamentals: 36 credits

ACCT 101, 102, and 261 (or 367); BUS 241, 243, 247, and 384 (or ECON 382); CSCI 018; ECON 101, 102, and 249 (or MATH 241*); MATH 131**, (or 141, or 151, or 157). Social and Ethical Aspects of Business Ethics: PHIL 160 (3 cr.) Communication: BUS 160W (3 cr.)

In the degree requirements box, the first sentence under the heading "Requirements to the Minor in Economics" is replaced with the following:

To:

MATH 131 or the equivalent and 18 credits in economics including ECON 101 or 103; 102 or 104; any two of the

following courses: ECON 205 (or 225), 206 (or 226), or 249; two additional economics or business courses.

Revised Program Requirements:

New Minor in Financial Modeling

Requirements for the Minor in Financial Modeling:

- CSCI majors: ACCT 123; BUS 105, 241, 350, 352, and 353; ECON 386; CSCI 088 and 365 (the latter also counts as an elective for the CSCI major). BA students must also complete MATH 231 (which may count as an elective for the CSCI major if no other non-CSCI course is used to satisfy the elective requirements).
- Finance majors: CSCI 088, 111, 120, 212, 314, 331, and 365; MATH 231; ECON 386 (also counts as an elective for the Finance major).
- Students in any other major have to complete both lists of required courses.
- The minimum grade in any required course is C–; the minimum combined grade point average for courses in the minor is 2.7 (B–). At least half of the required course credits must be completed at Queens College.

New Courses

BUS 160W. An Introduction to Business Writing.

3 hr.; 3 cr. Prereq.: ENGL 110. Emphasis on basic writing principles covering planning, analysis of audience and purpose, generating and organizing ideas, grammar, the use of drafts, and effective presentations with applications to the types of documents used by finance professionals. Specific topics include effective writing for resumes, letters, memos, and reports, as well as, guidelines for professional email correspondence. The final writing project requires an oral presentation.

ECON 231. Economic Development of China.

3 hr.; 3 cr. Prereq.: MATH 131, and ECON 101 or 103, and ECON 102 or 104, and ENGL 110. This is a basic survey course on China's economic development from a historical perspective. After a short review of some of China's pre-1949 economic history, the course focuses on the People's Republic, with roughly half the semester devoted to the period of Mao's leadership (1949–1976) and the balance devoted to the post-Mao period of reform and transition to a market economy (1978–present).

ENGLISH

New Courses

ENGL 325. Topics in Gender and Sexualities.

3 hr.; 3 cr. Prereq.: ENGL 140, or 150, or satisfaction of the Humanities I, Tier 1 LASAR requirement. An exploration of the literature and culture of gender and sexuality. Topics may include feminist and queer theory, traditions of lesbian, gay, bisexual, transgender, and queer writing (autobiography, fiction, poetry, etc.) or themes such as marriage, sexual and gender identity, or HIV/AIDS. This is a variable topics course, which may be taken more than once if the topic is different but may be applied only once to the major.

ENGL 377. Modern South Asian Literature.

3 hr.; 3 cr. Prereq.: ENGL 140, or 150, or satisfaction of the Humanities I, Tier 1 LASAR requirement. A study of literatures written primarily in English and in translation by authors from the South Asian subcontinent since the 19th century. Themes include colonization/decolonization, nationalism, exile, and migration. Authors may include Rabindranath Tagore, V.S. Naipaul, Salman Rushdie, Mahashweta Devi, and Arundhati Roy.

ENGL 378. Topics in Caribbean Literature.

3 hr.; 3 cr. Prereq.: ENGL 140, or 150, or satisfaction of the Humanities I, Tier 1 LASAR requirement. An exploration of the literature, history, and culture of the Caribbean region, ranging from colonization and slavery to contemporary formations of identity and self. Topics include creolization, carnival, gender politics, maroonage, and discourses of exile. This is a variable topics course, which may be taken more than once if the topic is different but may be applied only once to the major.

ENGL 379. Topics in Transnational/ Postcolonial Literature.

3 hr.; 3 cr. Prereq.: ENGL 140, or 150, or satisfaction of the Humanities I, Tier 1 LASAR requirement. An exploration of the literatures, theory, and cultures of postcolonial and/or transnational conditions. Topics include border crossings, cosmopolitanism, multinationalism, globalization, nationhood and nationalism, diaspora and migration. Themes may include translation, travel, displacement, memory, home, labor, social justice, and global cities. This is a variable topics course, which may be taken more than once if the topic is different but may be applied only once to the major.

Revised Courses

Change in prerequisites for ENGL 220, 225, 280, 285, 295:

From:

ENGL 110 or high pass on placement examination.

To:
ENGL 110.

Change in prerequisites for English 290:

From:
ENGL 140W or satisfaction of the Humanities 1 Tier, 1 LASAR requirement.

To:
ENGL 165W (or 140W), or 170W (or 150W), or one PLAS Reading Literature course, or one Humanities 1, Tier 1 LASAR course.

Change in description:

ENGL 165W. Introduction to Poetry. 3 hr.; 3 cr.
Prereq.: ENGL 110. Close reading and critical analysis of a wide variety of poetry of various periods. This course combines the study of literature with continued training in clear and effective written expression.

FAMILY, NUTRITION, AND EXERCISE SCIENCES

Revised Program Requirements

Change in requirements for the Specialization in Family and Consumer Studies (code 04A) in the degree requirements box:

From:
Family and Consumer Studies (Concentration code 04A): FNES 140, 153, 163 (or both 263 and 264), 248, 249, 252, 347, 348, 349, 350, 351, and 376.

To:
Family and Consumer Studies: FNES 140, 153, either 163 or both 263 and 264, 252, 347, 348, 349, 350, 351, 356 and 376.

Change to a Major Program in Physical Education, under the heading Graduation Requirements (items 1 to 7):

To:
To be eligible to graduate the student must complete the physical education major and all other Queens College graduation requirements. It is recommended that students select courses in the liberal arts and sciences for their electives.

To be eligible for the Initial Certificate in Physical Education, Pre-K–12, the students must complete all courses in the major, and the following courses: FNES 161W, 266, 369, 379; and SEYS 201, 221, 340 (or EECE 340) and 350 and EECE 310.

A minimum grade of *C* in all required FNES and Education (SEYS and EECE) courses with an average grade of *B–* in FNES 160, 230, 235, 342, 343, and an average grade of *B* in at least 7 of the 11 courses from FNES 12, 13, 14, 15, and 311.

For those preparing to be teachers of physical education, an average grade of *B* or better in all EECE and SEYS courses in the concentration, a grade of *B* or better in FNES 160, 266, and 369, and a grade of *B–* in FNES 161W, are required.

A student may not repeat a major course more than once beyond the initial enrollment in the course. Students must hold a current certification in First Aid Cardiopulmonary Resuscitation (CPR).

In applying to the NY State Education Department for the initial certificate, the student must pass New York State teachers examinations, and satisfy the requirements in safety education, violence prevention, and education on prevention of child and substance abuse.

New Courses

FNES 010. Introduction to Skill Assessment and Physical Education Standards. 2 hr.; 1 cr. Assessment of teacher candidates' skills and knowledge of concepts in a variety of sports and activities will provide an introduction to the Physical Education Profile, an assessment strategy used in high schools across New York State.

FNES 356. Sexuality Counseling. 3 hr.; 3 cr. Prereq.: FNES 349. An overview of different issues related to sexuality in the family. Examination of how sexuality impacts family life and the factors that impact sexuality. Counseling strategies to provide support with sexual issues will be discussed.

HISTORY

Revised Program Requirements

Change in Major Requirements:

Requirements for the Major in History (24 credits):

- HIST 101, 102, 103, and 104; two courses from among the following: HIST 105, 106, 111, 112, 140–142, 144–149; one course from among the following: HIST 200 (when topic is non-Europe, non-United States), 294, 332, 339, 355, 360, 361.
- Electives: 9 additional credits in one of the following special areas and an additional history elective to bring the total number of history credits to 36.

- Ancient and Pre-Modern History: Includes HIST 113, 114, 140, 144, 148, 204–206, 208, 209, 301, 352.
- European History since the Fall of Rome: Includes HIST 100, 107–110, 115, 116, 209–211, 213, 215–216, 222, 225, 227, 228, 230–233, 236, 238–242, 251–254, 291, 292, 296, 302, 303, 305, 308, 310, 313, 315, 332, 352.
- United States History: Includes HIST 258–260, 262, 263, 265–267, 270–278, 284, 285, 297, 299, 340–343, 345, 347, 348, 350, 351.
- History of Areas of the World Other than the United States and Europe: Includes HIST 105, 106, 111, 112, 117, 118, 140–142, 144–149, 256, 339, 355, 360, 361.
- Jewish History: Includes HIST 114–116, 248, 251–254, 256, 295, 312, 338, 339.
- Gender: HIST 270–272, 298, 308, 342, 345

Please note HIST 200, 346, 370, 392W have varying topics. They will be included in whichever special area is appropriate for the particular section of the course. HIST 392W may not be used as one of the 12 credits in the major's special area.

Addition to the Major

Students may create a specialty with the permission of the Chief Concentration advisor and the chair. Students choosing this option must do so at the start of their junior year.

Addition to LASAR Pre-Industrial/Non-Western Civilization

HIST 144. Early South Asia.
HIST 145. Modern South Asia.

Note that a new area, Gender, has been added to the major, and will also be listed under the heading, "The Majors" as a sixth bullet item. Note also that the last paragraph in the new text above, regarding the creation of a specialty, is an addition to the major.

New Courses

HIST 148. Islamic Civilization 600–1517. 3 hr.; 3 cr. Introduction to the history of the Islamic conquest and expansion in the early Islamic period and the changes in Empire, from Spain to Iran, up through the Ottoman conquest of the Mamluk sultanate.

HIST 149. Islamic Civilization 1517–Present. 3 hr.; 3 cr. Islamic history from the Ottoman conquest of Arab lands until the present day. Major themes will be the Ottoman Empire, European expansion into the Middle East, the Middle East during the World Wars, the Arab-Israeli conflicts, the Iran-Iraq war and the current wars in Iraq and Afghanistan.

HIST 229. Politics and Religion in Early Modern England and Ireland. 3 hr.; 3 cr. Exploration of the major religious, political, cultural, and intellectual developments that took place in England and Ireland over the course of the sixteenth and seventeenth centuries. Students will become acquainted with literature and religion as they reflected and shaped historical developments and will also come to engage critically with the past through close readings of primary sources and other documents.

HIST 272. History of the Family in the United States. 3 hr.; 3 cr. History of the family in the United States from colonial times to the twentieth century. Issues of marriage, divorce, children, and sexuality will be examined.

HIST 293. War and Society. 3 hr.; 3 cr. The history of the interaction between war and societal institutions and cultural and societal norms.

HIST 294. History of Brazil. 3 hr.; 3 cr. History of Brazil from the colonial period to the present.

HIST 295. Sephardic Jewish History. 3 hr.; 3 cr. Sephardic Jewish history from 1492 to modern times.

HIST 296. Eastern European History in the Twentieth Century. 3 hr.; 3 cr. Twentieth-century Eastern European history.

HIST 297. History of Italians in America. 3 hr.; 3 cr. Historical experience of Italians in the United States from the mass migration in the late 19th and early 20th century to the present.

HIST 298. Women, Gender, and Sexuality in Islam. 3 hr.; 3 cr. History of women, gender, and sexuality in Islam from early Islamic history to the modern period.

HIST 304. Northern Ireland Since 1968. 3 hr.; 3 cr. Examination of the conflict in Northern Ireland from the start of the Civil Rights Movement, through the war, peace negotiations, and power sharing of Catholics and Protestants in the current government. The armed struggle among official state forces and paramilitary groups from both Protestant and Catholic communities will be studied alongside the efforts of the various political parties to negotiate, share power, and recognize the civil rights of all.

HIST 311. Jewish Society in Islamic Lands, 600–1500. 3 hr.; 3 cr. Exploration of the political, cultural and religious history of Jews in the Islamic world from the rise of Islam to the 16th century. Topics to be covered include the historical relationship between Judaism and Islam, the

organization and structure of the Jewish community and developments in Jewish law, philosophy, religious writing and literature. Particular attention will be given to points of contact between the two societies and the ways in which the Jewish experience was shaped by the surrounding Islamic environment.

HIST 315. War and Society. 3 hr.; 3 cr. How war impacts the cultures, norms, and structures of society, and how the culture, norms, and structures of society impact war.

HIST 346. Special Topics in Military History. 3 hr.; 3 cr. Selected topics in military history, such as Race and Gender in Military History, Militarism, and Ethics of War.

HIST 352. History of the Celtic World. 3 hr.; 3 cr. History, literature, and culture of the Celtic world from the first millennium B.C. through early modern times.

Withdrawn Courses

HIST 314. The Air War in Europe.

HIST 344. Urban Planning in the American Past.

IRISH STUDIES

Revised Program Requirements

Change to the Minor in Irish Studies:

Replace the text in the degree requirements box with the following:

One choice from among the following (3 credits) (Introductory Level)

ENGL 366. Introduction to Irish Literature

HIST 230. Ireland from the Earliest Times

Two choices from among the following (6 credits) (Social Sciences):

IRST 103. The Irish in America

ANTH 247. Anthropology of Ireland

HIST 229. Politics and Religion in Early Modern England and Ireland

HIST 231. Ireland since 1690

HIST 304. Northern Ireland since 1968

HIST 352. History of the Celtic World

Two choices from among the following (6 credits) (Languages and Literatures):

IRST 101, 102. Beginning Irish 1 and 2

ENGL 365. Celtic Myth and Literature

ENGL 367. Modern Irish Literature

ENGL 368W. Modern Irish Writers

In special circumstances and with the approval of the Director, one appropriate department or Special Studies course not listed above may be offered in fulfillment of this requirement. For example, the Senior Seminar ENGL 391W, when the topic is Joyce, or Literature 340, History and Literature, when the topic is Irish Drama in Context would be acceptable.

One choice from among the following (3 credits):

IRST 390. Advanced Seminar in Irish Studies

IRST 391. Memory and Place in Ireland

New Courses

IRST 391. Memory and Place in Ireland. 3 hr.; 3 cr.

Prereq.: Open to students with 18 credits in History, or 15 credits towards the Irish Studies Minor. Contrast of the forms of Irish memory from Ireland, Northern Ireland, Britain, and America. Primary documents of historiography, folklore, textual, musical, and visual sources from Ireland will be compared with those from Britain and Northern Ireland, as well as those from the immigrant diaspora in the United States. Students will examine diverse memories of such pivotal events in Irish history as: the 1641 atrocities; the Cromwellian conquest and confiscations; the Famine; and the conflict in Northern Ireland. Topics for study include: How memory is contested by different groups, often according to their own particular interests; how recent historiography on the subject of memory in Ireland has opened debate on received interpretations; understanding what constitutes a primary document, including music, murals, monuments or films, serving as documents of memory. [N.B. Whenever offered, this course will be co-listed with HIST 392W, Colloquium. This has been approved by Professor Frank Warren, Chair of History.]

Withdrawn Course

IRST 105. Early Christian Ireland, 450–800.

LINGUISTICS AND COMMUNICATION DISORDERS

See the Computer Science section (page 6) for the description of a new joint minor.

MEDIA STUDIES

New Courses

MEDST 364/364W. Advertising, Consumption and Culture. 3 hr.; 3 cr. Prereq.: MEDST 260 or permission of the department. An overview of the commercialization of American society and culture via the widespread use of advertising and sophisticated marketing techniques. A combination of theories will be used from political economy, sociology, feminist studies, management, and semiotics to analyze commercial messages and develop an understanding of the impact of these messages on different demographic groups particularly children, tweens, teens, and women as well as cultural institutions like family, politics, education, and religion.

MUSIC

Revised Program Requirements

In the course listing section, immediately preceding the description of MUSIC 151, the paragraph with the heading "Instruction in Musical Performance" has been amended as follows:

To:

Instruction in Musical Performance

Note: MUSIC 151 to 452 are only for students in the Bachelor of Music program. Each course is a continuation of the preceding one. All are offered each semester. Student must have been admitted to the BMus program and have declared the BMus major.

In the degree requirements box, under the heading "I. Standard Music Major (BA in Music)," the list of required courses has been amended as follows:

To:

Required: MUSIC 246, 247, 346, 347; 171, 173; 172, 174; 271, 273; 272, 274; 373, 374, 270, 276, 277, 377, 378; 187, 188, 287, 288, 387, and 388.

In the degree requirements box, under the heading "II. The Performance Major (BMus, major code 077)," the paragraph has been amended as follows:

To:

The Bachelor of Music program is planned for the student advanced in instrumental or vocal performance and is comparable to conservatory training. Admission is by competitive audition in the major instrument. Students accepted receive up to eight semesters of private instruction in the major instrument from an instructor assigned by the School of Music. They will also take the music curriculum described above, but need take only one course from MUSIC 270 (Conducting), MUSIC 276 (Instrumentation), and MUSIC 378 (Composition); in addition, they will take at least two semesters of MUSIC 282 (Survey of Repertory for Major Instrument or Voice) and at least four semesters of MUSIC 255 (Chamber Music). There may not be more than one year's difference (2 semesters) between the theory level and the semester of lessons. Lessons may be at level 4 while taking Theory 2 (MUSIC 174), but no greater difference will be permitted. Should the theory level fall further behind, a student will be suspended from lessons until the theory requirement is fulfilled. Piano majors will take MUSIC 283 (Keyboard Accompaniment) and two semesters of MUSIC 286 (Practical Accompanying), or one semester each of MUSIC 286 and 284 (Continuo Playing). Voice majors will take MUSIC 129, 130, 229, and 230 (diction courses in Italian, German, French, and English, respectively). Voice majors will also take two college-level courses in each of two languages, which must be chosen from Italian, German, or French. Each May Bachelor of Music students must demonstrate satisfactory progress in a performance of several contrasting works before a faculty jury. In their last year they are required to present a senior recital that includes major repertoire and that meets the high standards of performance of the School of Music.

In the degree requirements box, under the heading "III. The Music Major with the Music Education Sequence (major code 078)," the paragraph has been amended as follows:

Students who intend to teach music in public schools or other institutions requiring State certification must take all of the courses listed under the Standard Music major above, except that MUSIC 276 and MUSIC 378 are replaced by MUSIC 381. In addition, students in the music education sequence must take SEYS 221, EECE 310, and either EECE 340 or SEYS 340, and MUSIC 166, 267, 268 or 269, 365, 366, 369, and 370. MUSIC 267 (Introduction to Music Education) is a prerequisite to all other music education courses. Students must pass this course with a minimum grade of B- in order to continue the music education sequence. Students must select a concentration in either instrumental or choral music education. The required instrumental sequence includes MUSIC 161, 162, 163, 167, 168, and 269. The required choral sequence includes MUSIC 266 and 268 and, for those whose keyboard skills are found upon examination

to be less than adequate, MUSIC 265. Those who want to obtain the broadest possible professional preparation may elect to take both sequences.

New Courses

MUSIC 129. Italian Diction for Singers. 2 hr.; 1 cr. Prereq.: Admission to the BMus program as a voice major, or permission of the instructor. An introduction to Italian diction and the International Phonetic Alphabet (IPA). Song and operatic literature will be covered. In-class performance will be required, along with written assignments and examinations.

MUSIC 130. German Diction for Singers. 2 hr.; 1 cr. Prereq.: MUSIC 129 or permission of the instructor. An introduction to German diction and the German song literature; arias from German opera may also be included. In-class performance will be required, along with written assignments and examinations.

MUSIC 187. Individual Study in Performance I. ½ hr.; 1 cr. Prereq.: Student must have been accepted into the Standard Music Major or the Music Major with the Music Education Sequence. Private instruction in the student's principal instrument or in voice. Students in the BMus program (Performance Major) are not eligible for this sequence of courses and instead should take MUSIC 151 (Major Study in Performance I) and its successor courses.

MUSIC 188. Individual Study in Performance II. ½ hr.; 1 cr. Prereq.: MUSIC 187.

***MUSIC 229. French Diction for Singers.** 2 hr.; 1 cr. Prereq.: MUSIC 130 or permission of the instructor. An introduction to French diction and the French art song; arias from French opera may also be included. In-class performance will be required, along with written assignments and examinations. (*Course number subject to change.)

***MUSIC 229. Introduction to the Alexander Technique.** 3 hr.; 2 cr. Prereq.: Open only to students enrolled in the Aaron Copland School of Music. The principles and concepts of the Alexander Technique and their relation to playing an instrument and to singing. Students will learn how to reduce and prevent neck, back, and shoulder pain, tendonitis and repetitive strain injuries which are all common injuries for musicians. Students will also become aware of physical habits of misuse and anxiety that impede performance and will be shown how to transform those habits into improved breathing, moving with greater ease, and allowing for fuller emotional

availability and expression. (*Course number subject to change.)

MUSIC 230. English Diction for Singers. 2 hr.; 1 cr. Prereq.: MUSIC 229 or permission of the instructor. Students learn to pronounce and sing English in a clear and neutral (non-regional) way, intelligible to any audience. Song and operatic literature will be covered. In-class performance will be required, along with written assignments and examinations.

MUSIC 287. Individual Study in Performance III. ½ hr.; 1 cr. Prereq.: MUSIC 188.

MUSIC 288. Individual Study in Performance IV. ½ hr.; 1 cr. Prereq.: MUSIC 287.

MUSIC 381. Arranging and Composing for School Ensembles. 3 hr.; 3 cr. Prereq.: MUSIC 274 or permission of the instructor. Preparation for students to create original works and arrangements appropriate for elementary and secondary school vocal and instrumental ensembles. Principles of instrumentation, orchestration, arranging, and composition will be explored.

MUSIC 387. Individual Study in Performance V. ½ hr.; 1 cr. Prereq.: MUSIC 288.

MUSIC 388. Individual Study in Performance VI. ½ hr.; 1 cr. Prereq.: MUSIC 387. May be repeated for credit up to 3 times (a total of 3 credits).

Revised Courses

Change in course description:

MUSIC 267. Introduction to Music Education. 3 hr. plus fieldwork; 3 cr. Open to music majors only. Prereq.: Sophomore standing and MUSIC 174 (Theory II) or above. An introduction to the historical, philosophical and sociological foundations of the profession. Experience with the essentials of music pedagogy as applied to school music classes. Each student will participate in a structured field experience under music education faculty supervision.

MUSIC 256. Opera Studio. MUSIC 256.0, 2 hr.; 0 cr., MUSIC 256.1, 2 hr.; 1 cr., MUSIC 256.2, 2 hr.; 2 cr., MUSIC 256.3, 3 hr.; 3 cr., MUSIC 256.4, 4 hr.; 4 cr., MUSIC 256.5, 5 hr.; 5 cr., MUSIC 256.6, 6 hr.; 6 cr. Prereq.: Admission to course and number of credits and hours by permission of the instructor. A participation course. Students are coached individually and introduced to a wide variety of operatic literature, including solos and ensembles.

Change in course description and prerequisite:

MUSIC 282. VT: Survey of Repertory for Major Instruments and Voice. 2 hr.; 1 cr. Prereq.: Enrollment in the Performance Major (BMus) or permission of the instructor; coreq.: MUSIC 151, 152, 251, 252, 351, or 352. May only be taken in the student's major instrument or voice. May be repeated for credit.

PHILOSOPHY

Revised Course

Change in prerequisites:

PHIL 160. Business Ethics. 3 hr.; 3 cr. Classical and contemporary ethical theories are applied to the policies and practices of domestic and international business, with the end in view of considering, or establishing, criteria by means of which such policies and practices might be realistically evaluated, morally, and ethically. Relevant topics may include the relationship between law and ethics; duties and responsibilities among employers, employees, stockholders, the public, and the environment; and issues involved in hiring, retention, marketing, investment, information disclosure, accounting, and advertising.

PHYSICS

New Courses

PHYS 001.1. Conceptual Physics Laboratory. 2 hr.; 1 cr. Prereq. or coreq.: PHYS 001.4. Laboratory component of the Conceptual Physics course. Includes experiments in the areas of optics and electromagnetism. Must be taken initially with PHYS 001.4. May be taken alone if a passing grade has been received in PHYS 001.4.

PHYS 005. Physics and the Future. 3 lec., 1 rec. hr.; 4 cr. Issues of current interest relating to the sustainability of advanced technological societies. Discussion of the fundamental ideas and ways of thinking that enable us to understand and make informed judgments about key technical issues upon which the well-being of our society increasingly depends.

PHYS 121.1. General Physics I Laboratory. 2 hr.; 1 cr. Prereq. or coreq.: PHYS 121.4. Laboratory component of the General Physics I course. Includes experiments in the areas of mechanics and thermodynamics. Must be taken initially with PHYS 121.4. May be taken alone if a passing grade has been received in PHYS 121.4.

PHYS 122.1. General Physics II Laboratory. 2 hr.; 1 cr. Prereq. or coreq.: PHYS 122.4. Laboratory component

of the General Physics II course. Includes experiments in the areas of optics and electromagnetism. Must be taken initially with PHYS 122.4. May be taken alone if a passing grade has been received in PHYS 122.4.

PHYS 145.1. Principles of Physics I Laboratory. 2 hr.; 1 cr. Prereq. or coreq.: PHYS 145.4. Laboratory component of the Principles of Physics I course. Includes experiments in the areas of mechanics and thermodynamics. Must be taken initially with PHYS 145.4. May be taken alone if a passing grade has been received in PHYS 145.4.

PHYS 146.1. Principles of Physics II Laboratory. 2 hr.; 1 cr. Prereq. or coreq.: PHYS 146.4. Laboratory component of the Principles of Physics II course. Includes experiments in the areas of optics and electromagnetism. Must be taken initially with PHYS 146.4. May be taken alone if a passing grade has been received in PHYS 146.4.

PHYS 222. Optics. 3 hr.; 3 cr. Prereq.: PHYS 146 or 122 and MATH 201. Geometric optics; periodic and non-periodic waves; Doppler effect; interference and diffraction, diffraction gratings; theory of polarization of light; fiber optics; introduction to lasers.

PHYS 233.1. Intermediate Methods of Mathematical Physics for Physics-Science Education Majors. 1 hr.; 1 cr. Prereq.: PHYS 122.1, 122.4, or 146.1, 146.4, MATH 201.

PHYS 311. Electromagnetism 2. 3 hr.; 3 cr. Prereq.: PHYS 310. Maxwell's equations, propagation and radiation of electromagnetic waves; electromagnetic waves in conductors and dielectrics. Fall, Spring

Revised Courses

Change in hours, prerequisite and description:

PHYS 001.4. Conceptual Physics. 2 lec., 2 rec.; 4 cr. Prereq.: 11th-year mathematics or equivalent; prereq. or coreq.: PHYS 001.1. Must be taken initially with PHYS 001.1. May be taken alone if a passing grade has been received in PHYS 001.1.

PHYS 121.4. General Physics I. 4 lec./ rec.; 4 cr. Prereq.: Trigonometry and algebra; prereq. or coreq.: PHYS 121.1. Must be taken initially with PHYS 121.1. May be taken alone if a passing grade has been received in PHYS 121.1.

PHYS 122.4. General Physics II. 4 lec./ rec.; 4 cr. Prereq.: PHYS 121; prereq. or coreq.: PHYS 122.1. Must be taken initially with PHYS 122.1. May be taken alone if a passing grade has been received in PHYS 122.1.

PHYS 145.4. Principles of Physics I. 4 lec. /rec.; 4 cr. Prereq.: MATH 141 or 151; prereq. or coreq.: PHYS 145.1. Must be taken initially with PHYS 145.1. May be taken alone if a passing grade has been received in PHYS 145.1.

PHYS 146.4. Principles of Physics II. 4 lec. /rec.; 4 cr. Prereq.: PHYS 121 or 145 and either MATH 142 or 152; prereq. or coreq.: PHYS 146.1. Must be taken initially with PHYS 146.1. May be taken alone if a passing grade has been received in PHYS 146.1.

Change in title and description:

PHYS 310. Electromagnetism I. 4 hr.; 4 cr. Prereq.: PHYS 122 or 146 and 233. Electrostatics; boundary value problems; electric fields in matter; magnetostatics; Maxwell's equations.

Change in prerequisite:

PHYS 237. Mechanics. 4 hr.; 4 cr. Prereq.: PHYS 146.1, 146.4, 233 or 233.1 (for physics-science education majors), and MATH 201.

PHYS 260. Introduction to Modern Physics. 4 hr.; 4 cr. Prereq.: PHYS 146 and MATH 201.

PHYS 345. Solid State Physics. 4 hr.; 4 cr. Coreq.: PHYS 365; prereq.: PHYS 243 and 260.

Change in hours, credits and prerequisite:

PHYS 365. Principles of Quantum Mechanics. 4 hr.; 4 cr. Prereq.: PHYS 260 and 311.

Change in description:

PHYS 383. Special Topics. 3 hr.; 3 cr. Prereq.: Permission of the department. Study of a topic in physics not normally offered as a regular course. Topic will be announced at registration time. May be repeated 2 times if the topic is different.

ASTRONOMY (OFFERED BY PHYSICS DEPT.)

Change in description:

ASTR 001. General Astronomy. 3 hr.; 3 cr. General concepts of astronomy, planet and solar system formation, lives and deaths of stars, and observational cosmology including the Big Bang Model. Not open to students who have passed ASTR 002. (PBGB) Fall, Spring

ASTR 002. General Astronomy with Laboratory. 3 lec., 2 lab hr.; 4 cr. General concepts of astronomy, planet and solar system formation, lives and deaths of stars, and observational cosmology including the Big Bang Model. The laboratory includes analysis and interpretation of astronomical data and observations. Included as a part of the

laboratory are computer simulations of modern astronomical equipment. Not open to students who have passed ASTR 001. (PBGA) Fall, Spring

Withdrawn Course

PHYS 322. Optics. 3 hr.; 3 cr. Prereq.: PHYS 310. Advanced geometric optics and theory of optical instruments; interference and its application; Fresnel and Fraunhofer diffraction, diffraction gratings; theory of polarization of light; interaction of light with matter: dispersion, absorption, reflection, and birefringence.

POLITICAL SCIENCE

Revised Program requirements

Change in major requirements:

The paragraph under the heading "Law and Politics" is replaced by the following:

To:

The Law and Politics Track. The Political Science Department offers a special concentration in Law and Politics. The requirements for this concentration are

1. PSCI 100, and two other 100-level Political Science courses
2. Four courses from PSCI 212, 213, 250, 270, 280-289
3. One course from PSCI 381W, 382W, or 386W
4. Two electives from other Political Science courses, one or both of which may be internships.

Revised Course

Change in hours:

PSCI 298.3. Independent Internships in New York City. 3 hr.; 3 cr. Prereq.: 120 hours of semester fieldwork. Substantive internships in local government, media, law, community work, advocacy and international affairs. Readings and a term paper will be assigned. Details, requirements, and permission for the program must be obtained from the faculty internship coordinator.

SECONDARY EDUCATION AND YOUTH SERVICES

Revised Program Requirements

Replace the paragraphs under the heading "Program Requirements" (on the first page of the SEYS entry) with the text below. Note the addition of Chinese to the certification in Foreign Language K-12 plus editorial clarifications of all the K-12 and 7-12 certification areas.

Prospective middle, junior high, and senior high school teachers must complete an approved liberal arts and sciences major plus a minor in secondary education for New York State certification. Students are required to meet with a program advisor and file a minor declaration card for admission to secondary education.

The program requirements for New York State certification and SEYS program completion are to complete an appropriate major with the minimum GPAs listed below; complete the minor of 24 credits with a minimum 3.0 GPA consisting of the courses below; pass three New York State Teacher Certification examinations (Content Exam, LAST, and ATSW secondary); complete fingerprint screening; have a minimum 2.5 overall GPA; and complete four seminars that deal with alcohol and drug abuse, child abuse identification and reporting, fire safety, and violence intervention.

The minor in secondary education consists of the following sequence: Core education courses SEYS 201W, 221, 340, and 350 (with a minimum combined GPA of 3.0) plus a minimum grade of *B* for all of the following professional courses: Methods (SEYS 36x), Initial Clinical Experience (SEYS 37x.2), Student Teaching (SEYS 37x.4) and Curriculum and Assessment (SEYS 38x) for one of the following certifications:

- English 7–12: A major in English; core education courses; and professional courses SEYS 360, 370.2 370.4, and 380 (minimum 3.0 GPA in the major).
- Mathematics 7–12: A major in mathematics; core education courses; and professional courses SEYS 361, 371.2, 371.4, and 381 (minimum 2.75 GPA in the major).
- Science 7–12: A major in biology education, chemistry education, physics education, or geology education/earth science; core education courses; and professional courses SEYS 362, 372.2 372.4, and 382 (minimum 2.75 GPA in the majors).
- Social Studies 7–12: A major in anthropology, economics, history, political science, or sociology; regardless of major a minimum of one economics course, one political science course, 21 credits in history (including 2 U.S. history and 2 non-U.S. history courses), four courses in a social science that is not your major; core education courses; and professional education courses SEYS 363, 373.2, 373.4 and 383 (economics major is minimum 2.75 GPA and the remaining majors are 3.0 minimum GPA).
- Foreign Language 7–12: A major in Chinese, French, German, Italian, Latin, or Spanish; core education courses; and professional courses SEYS 364, 374.2, 374.4 and 384 (minimum 2.75 GPA in the major).

To be eligible for student teaching, students must meet the following requirements:

1. pass SEYS 201W, 221, 340, and 350 with a combined 3.0 average;
2. receive a *B* or higher in 36x and 37x.2; and
3. complete a minimum of 24 credits in the major. Students must see an advisor to obtain current information and updates about additional program certification requirements and New York State certification regulations.

Changes to Art K–12 certification

In the first sentence following the heading “Art in Education Program,” replace the phrase “art major” in the following:

To:

Studio Art Major

Replace the text in the “Program Requirements” section of the “Art in Education Program” with the following:

The Visual Arts program provides for a 27-credit education minor, designed in tandem with the studio art major of 42 credits.

Prospective Pre-K–12 art teachers major in the approved 42-credit studio arts major, plus a 27-credit minor in art education for New York State certification. Students are required to meet with a program advisor and file a minor declaration card for admission to the program. Students must maintain a 3.0 average in education courses, and a minimum GPA of 2.75 in their major, as well as meet the graduation requirements of the college. The requirements for New York State certification and program completion are minimum 2.75 GPA in the studio art major; complete the minor for Art K–12 with a minimum 3.0 GPA consisting of the courses below; pass three New York State Teachers Examinations (NYSTCE Content Exam in Visual Arts, LAST, and ATSW); complete fingerprint screening; have a minimum 2.5 overall GPA; and complete four seminars on alcohol and drug abuse, child abuse identification and reporting, fire safety, and violence intervention.

The minor in secondary education for Art K–12 certification consists of the following sequence: SEYS 201W, 221, SEYS or EECE 340, and SEYS 350 (with a minimum GPA of 3.0) plus EECE 333, SEYS 365, & SEYS 375 with a minimum grade of *B* for each.

To be eligible for student teaching, students must meet the following requirements:

1. pass SEYS 201W, 221, 340, and 350 with a combined 3.0 average;

2. receive a B or higher in EECE 333, SEYS 365, and SEYS 375; and
3. complete a minimum of 24 credits in the major. Students must see an advisor to obtain current information and updates about additional program certification requirements and New York State certification regulations.

Revised Program Requirements

Addition of certification in teaching Chinese 7–12 to the minors in foreign language.

Revised Courses

Change in title, hours and description:

SEYS 370.2–374.2. Initial Clinical Experience in _____ for Secondary School.

370.2. Initial Clinical Experience in English for Middle/Junior High School.

371.2. Initial Clinical Experience in Mathematics for Secondary School.

372.2. Initial Clinical Experience in Science for Secondary School.

373.2. Initial Clinical Experience in Social Studies for Secondary School.

374.2. Initial Clinical Experience in Foreign Language for Secondary School.

100 hr. at a secondary school; 2 cr. Prereq.: SEYS 201W, 221, and 340; coreq.: SEYS 350; prereq. or coreq.: 360–364. Open only to students who are matriculated in the secondary education program. This initial clinical experience is designed to provide undergraduates in the secondary education program with school-based classroom experiences that prepare them to effectively student teach at the secondary school level. Students are placed at a secondary school setting under the guidance of a school-based teacher and a college-based supervisor.

Change in hours and description:

SEYS 370.4–374.4. Student Teaching in Middle and High School.

370.4. Student Teaching English in Middle and High School.

371.4. Student Teaching Mathematics in Middle and High School.

372.4. Student Teaching Science in Middle and High School.

373.4. Student Teaching Social Studies in Middle and High School.

374.4. Student Teaching Foreign Language in Middle and High School.

Minimum of 240 hr. of daily participation or its equivalent for 15 weeks at a secondary school; 4 cr. Prereq.: Permission of the department. Completion of 24 credits in the major; SEYS minors with majors in English and social sciences (except economics) must maintain a minimum 3.0 GPA in their major. SEYS minors with majors in mathematics, science, economics, and foreign languages must maintain a minimum 2.75 GPA in their major; a minimum grade of *B* in SEYS 360–364 and SEYS 370.2–374.2 and a minimum 3.0 GPA *B* average in SEYS courses. School-based teaching experiences are provided that prepare student teachers to effectively teach students at the secondary school levels. Under the guidance of a cooperating teacher and a college-based supervisor, students are expected to teach a minimum of one class. Students must earn a minimum grade of *B* to be recommended for NYS initial certification. Students may be required to attend a weekly or bi-weekly seminar at the college and or take SEYS 380–383 as a corequisite. See program advisor.

Change in course prerequisite and course description:

SEYS 370.4–374.4 Student Teaching in _____ for Middle and High School. 6 hr. per day or its

equivalent; 4 cr. Prereq.: Permission of the department, including a minimum GPA of 3.0 in English and social sciences (except economics) majors and a minimum GPA of 2.75 in mathematics, science, economics, and foreign language majors. All students must maintain a minimum grade of *B* in the methods course (SEYS 360–364) and a minimum average GPA of 3.0 in all SEYS courses: SEYS 201W, 221, 340, 350 (unless a student’s program combines SEYS 350 with student teaching), SEYS 360–364, SEYS 370.4–374.4, and 370.2–374.2; coreq.: The subject-specific curriculum and assessment course from SEYS 380–384. School-based teaching experiences are provided that prepare student teachers to effectively teach students at both the middle and high school levels. (Student teachers may have two placements, one in middle/junior high school and the other in high school.) They teach under the guidance of a cooperating teacher and a college-based supervisor at each school. In order to be recommended for Initial certification through the college, students must earn a minimum of a *B* grade in student teaching.

SOCIOLOGY

Revised Course

Change in hours, credits, and description:

SOC 334. Methods of Social Research. 3 lec., 3 lab. hr. or fieldwork; 4 cr. Prereq.: SOC 205 and 212. A study of various methods of social research, combined with hands-on experience in gathering, describing, and analyzing data. Students conduct a final project based on empirical research using at least one major research method, such as survey research, participant observation, or content analysis.

SOC 212W Sociological Analysis. 4 hr.; 4 cr. Prereq.: SOC 101 or ANTH 101 or ECON 101 or FNES 106 or HSS 1 or PSCI 100 or PSCI 101 or PSYCH 101 or URBST 101.

URBAN STUDIES

New Courses

URBST 255. Ethnic Community Politics in the U.S.: The Case of Greek-Americans. 3 hr.; 3 cr. The role of ethnic communities in the American political process with a focus on the Greek-American community. The main objective of the course is to enable students to understand and analyze the political behavior of the Greek American community within the broader framework of American political dynamics, social and cultural changes, and the emergence of the multicultural mosaic paradigm. The sociocultural characteristics of this community will be examined as they evolved since the early 1900s along with its main institutions. The politicization of the community will be analyzed within the broader context of ethnic politics in America and with emphasis on the 1974 Cyprus crisis that became the catalyst for the formation of the “Greek lobby.”

URBST 224. The Changing Neighborhoods of Queens. 3 hr.; 3 cr. From a few agricultural villages chartered in seventeenth-century New Netherlands, Queens has evolved into a complex urban system. This class will explore the historical and continuing development of the neighborhoods of Queens. Classroom instruction focusing on key concepts will be illustrated and enlarged with guided walks through key Queens neighborhoods.

Revised Courses

Change in number:

URBST 243. Introduction to Urban Planning.

Change in course number and prerequisite:

From:

URBST 141. Introduction to Urban Planning.

To:

URBST 241. Introduction to Urban Planning. 3 hr.; 3 cr. Prereq.: URBST 101. An introduction to theoretical, methodological, and practical issues involved in social and physical planning for urban areas. It will include issues such as attracting economic development, the siting of public services and facilities, and the regulation and placement of housing.

Change in description:

URBST 223. Introduction to Public

Administration. 3 hr.; 3 cr. An introduction to the field of public administration, from the philosophical, historical, and legal underpinnings of government activities to the structure and function of present-day federal, state, and local government programs and agencies. This course provides a base for the study of specialized areas within public administration including policy analysis, human resource management, and the legal foundations of public administration at the federal, state, and local levels.

Change in title and description:

URBST 252. Climate Change and the Urban

Environment. 3 hr.; 3 cr. This course introduces students to the major issues and themes in urban environmentalism. The course integrates urban theory—how we imagine and understand the city—with the contemporary practice of urban environmental design, planning, policy-making, and activism. We examine, through a series of case studies, how the modern city functions as an ecosystem, a network of infrastructure and technology, and a forum for democratic participation. Finally, we explore how these inquiries inform the issue of climate change and policy-oriented efforts to mitigate its negative effects.

New Curriculum Requirements

QC Degree Requirements and General Education

These requirements are for students entering the college as freshmen or transfer students as of the Fall 2009 semester.

Effective Fall 2009, entering freshmen and transfer students will follow a revised curriculum that includes writing, mathematics, quantitative reasoning, foreign language study, the Perspectives on the Liberal Arts & Sciences, and a capstone or synthesis course (for students entering Fall 2010). Students who matriculated prior to Fall 2009 will complete their degree requirements under the prior curriculum guidelines. The Academic Advising Center provides information about all degree requirements. Here are the rudiments of the college curriculum, required of all students.

A minimum of 120 credits (approximately 40 courses) that includes a major course of study and the following college-wide degree requirements:

WRITING

All students are required to complete ENGL 110 and three additional courses designated as “writing-intensive” (W). A list of courses with the “W” designation being offered each semester is available online prior to registration.*

MATHEMATICS

All students are required to complete a course numbered MATH 110 or above, or to place into a course numbered above MATH 122 based on the COMPASS exam.

ABSTRACT & QUANTITATIVE REASONING

All students are required to complete one course carrying the *QR* designation. Some *QR* courses also satisfy General Education requirements.

FOREIGN LANGUAGE

All students are required to satisfy the foreign language requirement with a passing grade in an intermediate level course in a foreign language at Queens College or by studying a foreign language within other specified contexts.†

GENERAL EDUCATION

Requirements

All students are required to study a broad range of academic subjects from varying perspectives and ways of understanding. At Queens, these courses are known as “General Education” or the “Liberal Arts & Sciences.”

PERSPECTIVES ON THE LIBERAL ARTS & SCIENCES‡

1. Areas of Knowledge & Inquiry:
 - *Reading Literature (RL)*: two courses.
 - *Appreciating and Participating in the Arts (AP)*: one course.
 - *Cultures and Values (CV)*: one course.
 - *Analyzing Social Structures (SS)*: two courses, from two departments.
 - *Natural Science (NS)*: two courses, one with a laboratory component (*NS-L*).
2. Additional Perspectives Requirements:
 - *United States (US)*: one course.
 - *European Traditions (ET)*: one course.
 - *World Cultures (WC)*: one course.

The *US*, *ET*, and *WC* requirements may be fulfilled by any course carrying these respective designations. Some of these

* For transfer students, the Director of Writing Across the Curriculum has the sole responsibility to authorize writing-intensive units for transferred courses other than ENGL 120W. At most, two writing-intensive units will be granted for any student, but only if the institution at which the course was taken has a writing-intensive program similar to that at Queens College, and the course is specified in the institution’s bulletin as writing intensive. At least one writing-intensive unit must be taken in residence at Queens College.

† The foreign language requirement can be met by passing an intermediate course at Queens College or by successful completion of one of the following:

- A course taught in a foreign language or American Sign Language at the third-semester level or higher.
- Three years of high school education in the same foreign language.
- A minimum grade of 80 on the New York State Regents exam in a foreign language.
- Completion of 11th grade or higher in which the language of instruction is a foreign language.
- A satisfactory score on a scheduled departmental proficiency exam at Queens College.
- A satisfactory score on an approved external placement exam in a foreign language.

Students should consult the Arts & Humanities Division webpage for a list of approved departmental and external proficiency exams in foreign language.

‡ As the General Education curriculum evolves, it is possible that substitute Perspectives courses may be developed.

courses also satisfy the Areas of Knowledge and Inquiry requirements described above.

Pre-Industrial Society (PI): one course.

The *PI* requirement may be fulfilled by any course carrying this designation. Some of these courses also satisfy other General Education requirements.

MAJOR

Each student is required to complete an approved major area of study. (Completion of a minor is recommended, but not required.)

MINOR

Some departments offer a minor, a program of 15 or more credits students can take to supplement their major or to pursue an area of interest. A Minor Concentration form must be filed with the department, and the minor will appear on the student's transcript.

UPPER-LEVEL DEGREE REQUIREMENT

Capstone or Synthesis

For students entering the college as freshmen or transfer students as of the Fall 2010 semester; one course. The capstone course is open to upper-level students in a specific major, while the synthesis course is open to upper-level students across varied majors who meet prerequisite requirements for the course. These courses are meant to offer opportunities for students to integrate areas of knowledge drawn from varied perspectives and ways of understanding, and to produce a body of work that advances their critical and creative abilities.

ADDITIONAL DEGREE REQUIREMENTS

Each student must also complete the following:

- At least 45 credits in residency at Queens College.
- At least 30 of the last 64 credits at Queens College or the CUNY Graduate Center.
- A passing grade on the CUNY Proficiency Exam.
- A minimum 2.0 cumulative index.

THESE ARE THE PERSPECTIVES COURSES THAT FULFILL THE NEW GENERAL EDUCATION REQUIREMENTS AS OF SPRING 2010.

KEY TO ABBREVIATIONS

- AP: *Appreciating and Participating in the Arts*
- CV: *Cultures and Values*
- ET: *European Traditions*
- NS: *Natural Science*
- NS-L: *Natural Science with a lab*
- RL: *Reading Literature*
- SS: *Analyzing Social Structures*
- US: *United States*
- WC: *World Culture*

- ACCT 261.** **Business Law I.** 3 hr.; 3 cr. (CV, US)
- ACE 005W.** **Great Works of Literature.** 3 hr.; 3 cr. (RL)
- ACE 015.** **Social Science Seminar I.** 3 hr.; 6 cr. (CV, ET)
- ACE 016.** **Social Science Seminar II.** 3 hr.; 6 cr. (SS)
- ANTH 101.** **Intro. to Cultural Anthropology.** 3 hr.; 3 cr. (SS, WC, PI)
- ANTH 102.** **Intro. to Human Evolution.** 3 hr.; 3 cr. (NS)
- ANTH 103.** **Intro. to Archaeology.** 3 hr.; 3 cr. (SS, WC, PI)
- ANTH 104.** **Language, Culture & Society.** 3 hr.; 3 cr. (CV, WC)
- ARTH 220.** **Renaissance Art & the Birth of Modernity.** 3 hr.; 3 cr. (AP, ET, PI)
- ARTH 233.** **Naturalism & Art in 17th-Century Europe.** 3 hr.; 3 cr. (AP, ET)
- ARTH 256.** **Contemp. Art Practices.** 3 hr.; 3 cr. (AP)
- ARTS 185.** **Contemp. Art in a Global Society.** 3 hr.; 3 cr. (AP, WC)
- ASTR 001.** **Genl. Astronomy.** 3 hr.; 3 cr. (NS)
- ASTR 002.** **Genl. Astronomy with Laboratory.** 3 lec., 2 lab. hr.; 4 cr. (NS-L)
- BIOL 011.** **Intro. to College Biology.** 3 lec., 3 lab. hr.; 4 cr. (NS-L)
- BIOL 022.** **Intro. to Human Physiology.** 3 hr.; 3 cr. (NS)
- BIOL 024.** **Biology & Society.** 3 hr.; 3 cr. (NS)
- BIOL 025.** **Biological Evolution.** 3 hr.; 3 cr. (NS)
- BIOL 034.** **Genomics Research Exp. I.** 3 lec., 3 lab. hr.; 4 cr. (NS-L)
- BIOL 035.** **Genomics Research Exp. II.** 3 lec., 3 lab. hr.; 4 cr. (NS-L)
- BIOL 105.** **Genl. Biology I: Physiology & Cell Biology.** 3 lec., 3 lab. hr.; 4 cr. (NS-L)
- BIOL 106.** **Genl. Biology II: Life-forms & Ecosystems.** 3 lec., 3 lab. hr.; 4 cr. (NS-L)
- CLAS 150.** **Greek & Latin Classics in Translation.** 3 hr.; 3 cr. (RL ET PI)
- CMLIT 101W.** **Global Literatures I.** 3 hr.; 3 cr. (RL, WC, PI)
- CMLIT 102W.** **Global Literatures II.** 3 hr.; 3 cr. (RL, WC)
- DANCE 150.** **Intro. to Dance.** 3 hr.; 3 cr. (AP, WC)
- DRAM 001.** **Intro. to Drama & Theatre.** 3 hr.; 3 cr. (AP)
- DRAM 100.** **Intro. to Acting.** 3 hr.; 3 cr. (AP)
- DRAM 101.** **Intro. to Play & Performance.** 3 hr.; 3 cr. (AP)
- DRAM 111.** **Intro. to Theater Design.** 3 hr.; 3 cr. (AP)

DRAM 155.	Theatrical Texts & Times. 3 hr.; 3 cr. (AP)	HNRS 225.	Science and Technology in New York City. 3 hr.; 3 cr. (NS, US)
EAST 250.	Mod. Chinese Fiction in Translation. 3 hr.; 3 cr. (RL, WC)	HNRS 226.	Shaping the Future of New York City. 3 hr.; 3 cr. (SS, US)
ENGL 151W.	Works of English Lit. 3 hr.; 3 cr. (RL, ET)	HSS 200.	Social Sciences & Society. 3 hr.; 3 cr. (SS, ET)
ENGL 152/152W.	Works of American Lit. 3 hr.; 3 cr. (RL, US)	ITAL 041W.	Masterpieces of Italian Lit. in Translation. 3 hr.; 3 cr. (RL, ET)
ENGL 161/161W.	Intro. to Narrative. 3 hr.; 3 cr. (RL)	ITAL 045.	Italian Civ. 3 hr.; 3 cr. (CV, ET)
ENGL 162/162W.	Literature & Place. 3 hr.; 3 cr. (RL)	ITAST 100.	Italian Americans: An Interpretation of a People. 3 hr.; 3 cr. (CV, US)
ENGL 165W.	Intro. to Poetry. 3 hr.; 3 cr. (RL)	LCD 100.	Language in Context. 3 hr.; 3 cr. (CV)
ENGL 251.	British Lit. Survey I. 3 hr.; 3 cr. (RL, ET)	LCD 103.	Multilingualism in the U.S. 3 hr.; 3 cr. (CV, US)
ENGL 253.	American Lit. Survey I. 3 hr.; 3 cr. (RL, US)	LCD 144.	Language & Social Diversity. 3 hr.; 3 cr. (SS, WC)
ENGL 255.	Global Lit. in English. 3 hr.; 3 cr. (RL, WC)	MEDST 143.	History of Cinema I, 1880–1930. 4 hr.; 3 cr. (AP)
ENSCI 100.	Our Planet in the 21st Century: Challenges to Humanity. 3 lec., 3 lab. hr.; 4 cr. (NS-L, US)	MEDST 144.	History of Cinema II, 1930–1970. 4 hr.; 3 cr. (AP)
EURO 210.	The Enlightenment. 3 hr.; 3 cr. (CV, ET, PI)	MEDST 146.	History of Cinema III: 1970–present. 4 hr.; 3 cr. (AP)
FNES 163.	Genl. Nutrition. 3 hr.; 3 cr. (NS)	MEDST 240.	Styles of Cinema. 4 hr.; 3 cr. (AP)
FREN 041.	Masterpieces of French Lit. in Translation. 3 hr.; 3 cr. (RL, ET)	MNSCI 113.	Contemporary Issues in Science. (NS)
FREN 045/045W.	French Civilization. 3 hr.; 3 cr. (CV, ET)	MUSIC 001.	Music Appreciation. 3 hr.; 3 cr. (AP, ET)
FREN 250.	French Cinema. 4 hr.; 3 cr. (AP, ET)	MUSIC 008.	Politics of Music. 3 hr.; 3 cr. (AP)
GEOL 008.	Oceanography. 3 hr.; 3 cr. (NS)	PHIL 101.	Intro. to Philos. 3 hr.; 3 cr. (CV, ET)
GEOL 011.	Meteorology. 3 hr.; 3 cr. (NS)	PHIL 104.	Intro. to Ethics. 3 hr.; 3 cr. (CV, ET)
GEOL 012.	Natural Disasters. 3 hr.; 3 cr. (NS)	PHIL 116.	Intro. to Philos. of Religion. 3 hr.; 3 cr. (CV, ET)
GEOL 025 .	Natural Resources & the Environment. 3 hr.; 3 cr. (NS)	PHIL 140.	Ancient Greek Philos. 3 hr.; 3 cr. (CV, ET, PI)
GEOL 101.	Physical Geology. 3 lec., 3 lab. hr.; 4 cr. (NS-L)	PHYS 001.	Concept. Physics. 6 hr.; 4 cr. (NS-L)
GERM 041/041W.	Masterpieces of German Literature. 3 hr.; 3 cr. (RL, ET)	PHYS 005.	Physics & the Future. 3 hr.; 3 cr. (NS, WC)
GERM 250/250W.	German Cinema. 4 hr.; 3 cr. (AP, ET)	PHYS 007.	Intro. to Physics of Musical Sound. 3 hr.; 3 cr. (NS)
GRKMD 041/041W.	Mod. Greek Lit. in Translation. 3 hr.; 3 cr. (RL, ET)	PHYS 103.	Physics for Computer Science I. 3 lec., 1 rec., 2 lab. hr.; 4 cr. (NS-L)
GRKMD 250.	Mod. Greek Cinema. 4 hr.; 3 cr. (AP, ET)	PHYS 121.	Genl. Physics I. 4 lec. & rec., 2 lab. hr.; 4 cr. (NS-L)
HEBRW 150.	Mod. Hebrew Lit. in Translation. 3 hr.; 3 cr. (RL, WC)	PHYS 122.	Genl. Physics II. 4 lec. & rec., 2 lab. hr.; 4 cr. (NS-L)
HIST 101/101W.	Early Modern Europe 1500–1815. 3 hr.; 3 cr. (SS, ET, PI)	PHYS 145.	Principles of Physics I. 4 lec. & rec., 2 lab. hr.; 4 cr. (NS-L)
HIST 102/102W.	Modern Europe, 1815–Present. 3 hr.; 3 cr. (SS, ET)	PHYS 146.	Principles of Physics II. 4 lec. & rec., 2 lab. hr.; 4 cr. (NS-L)
HIST 103/103W.	American History, 1607–1865. 3 hr.; 3 cr. (SS, US, PI)	PHYS 204.	Physics for Computer Science II. 3 lec., 1 rec., 2 lab. hr. (every other week); 4 cr. (NS-L)
HIST 104/104W.	United States History, 1865–Present. 3 hr.; 3 cr. (SS, US)	PSCI 100.	Intro. to American Politics. 3 hr.; 3 cr. (SS, US)
HIST 160.	Global History: World [Variable Topic]. 3 hr.; 3 cr. (SS, WC)	PSCI 101.	Intro. to Political Sci. 3 hr.; 3 cr. (SS, US)
HIST 163.	Social & Cultural History: U.S. [Variable Topic]. 3 hr.; 3 cr. (SS, US)	PSCI 102.	Contemporary Political Controversies. 3 hr.; 3 cr. (SS)
HIST 164.	Social & Cultural History: European [Variable Topic]. 3 hr.; 3 cr. (SS, ET, PI)	PSCI 103.	Intro. to Comparative Politics. 3 hr.; 3 cr. (SS, WC)
HIST 166.	History & Memory [Variable Topic]. 3 hr.; 3 cr. (CV, WC)	PSCI 104.	Intro. to International Politics. 3 hr.; 3 cr. (SS, WC)
HIST 168.	History & Memory: U.S. [Variable Topic]. 3 hr.; 3 cr. (CV, US)	PSCI 105.	Intro. to Political Thought. 3 hr.; 3 cr. (CV, ET)
HIST 229.	Politics, Religion, & Lit. in Early Modern England & Ireland. 3 hr.; 3 cr. (SS, ET, PI)	PSYCH 101.	Genl. Psychology. 4 hr.; 4 cr. (NS)
HNRS 125W.	The Arts in New York City: Seminar 1. 3 hr.; 3 cr. (AP)		
HNRS 126W.	The Peopling of New York City: Seminar 2. 3 hr.; 3 cr. (SS, US)		

SOC 101.	Intro. to Sociology. 3 hr.; 3 cr. (SS)
SOC 212.	Sociological Analysis. 3 hr.; 3 cr. (SS)
SOC 222.	Social Welfare as a Social Institution. 3 hr.; 3 cr. (CV, US)
SPAN 041.	Hispanic Lit. in Translation. 3 hr.; 3 cr. (RL)
SPAN 045/045W.	Hispanic Cultures in English. 3 hr.; 3 cr. (CV, WC)
SPAN 047.	Hispanic Film in English Translation. 4 hr.; 3 cr. (AP)
SPAN 060.	Hispanic Lit. in the United States. 3 hr.; 3 cr. (RL, US)
URBST 101.	Urban Poverty & Affluence. 3 hr.; 3 cr. (SS, US)
URBST 103.	Urban Diversity. 3 hr.; 3 cr. (SS, US)
URBST 105.	Urban Politics. 3 hr.; 3 cr. (SS, US)