

BROOKLYN COLLEGE
OF
THE CITY UNIVERSITY OF NEW YORK
FACULTY COUNCIL

Meeting of 9/7/2010

The Committee on Graduate Curriculum and Degree Requirements herewith submits its recommendations in Curriculum Document 196.

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Note: Except for Section A-III (changes in degree programs) all curriculum proposals will now include both new and old course numbers, with the old number and discipline code in parentheses.

Respectfully submitted,

Jennifer Ball – Art
James Cox – Computer and Information Science
Namulundah Florence – Education, Chair
Renison Gonsalves – English
Frimette Kass-Shraibman– Accounting

Members of Faculty Council with any questions are urged to contact Namulundah Florence at NFlorence@brooklyn.cuny.edu or (718) 951-3893 prior to the meeting.

Material located with ~~strike through~~ is to be deleted and material underlined is to be added.

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SECTION A-III: CHANGES IN DEGREE REQUIREMENTS

Department of Chemistry

M.A. in Chemistry

HEGIS code 1905; SED program code 02083

Department requirements (30 credits)

The M.A. in chemistry degree program, with its course work and thesis research, is appropriate for individuals wishing to pursue careers in the chemical and pharmaceutical industries in research and development or in quality control positions or as preparation for doctoral studies. Students performing research for a master's thesis may acquire training in several optical or magnetic resonance spectroscopic techniques; in microscopy; in the design of organic and inorganic catalysts; in enzymology and rapid kinetics techniques; in high-performance chemical computing; advanced electrochemistry; chemical synthesis and general analytical chemistry; and/or the application of the tools of modern biochemistry/biotechnology. Faculty mentors sponsor master's theses in chemical and biomedical research problems. Students may, however, opt out of laboratory research and complete the degree by passing a comprehensive exam.

Matriculation requirements

Applicants must offer the following: two terms of general chemistry including qualitative analysis; one term of analytical chemistry; two terms of organic chemistry; two terms of physical chemistry; two terms of calculus; and two terms of general physics.

General matriculation and admission requirements of the Division of Graduate Studies are in the section "Admission."

Degree requirements:

Thirty credits are required for the degree.

Students must complete ~~19-24~~ credits in courses in the Chemistry Department. The following courses are required: Chemistry 7110X (705.1G), 7761X (710G), 7550X (750G), 7571X (757.1G) or 7670X (770G), 7640X (760G), 7420X (790G) ~~or~~ and 7421X (791G).

The remaining credits required for the degree may be in graduate courses in any department approved by the deputy chairperson.

Students must (a) submit a thesis acceptable to the department or (b) pass a comprehensive examination. Students who elect to write a thesis must take Chemistry 7910X (700.1G). Chemistry 7420X (790G) or 7421X (791G) must be completed before work is begun on the thesis.

Material located with ~~strike through~~ is to be deleted and material underlined is to be added.

~~Students must (a) pass a test, given by the department, of their ability to read scientific literature in French, German, Japanese, Chinese, or Russian, or (b) complete an advanced course in computer science approved by the deputy chairperson.~~

Information about requirements for the thesis is in the section “Academic Regulations and Procedures.”

Courses in the Chemistry Department offered toward the degree must be 7000X (700)-level courses.

The program of study must be approved by the deputy chairperson.

Rationale: Revision of the MA program is driven by the desires of the current MA population, who have expressed a desire for a greater emphasis on advanced laboratory techniques. Consequently, the department has made two semesters of advanced laboratory techniques (Chemistry 7420 and 7421 (790 and 791)) mandatory for all students. Curricula for these courses are being revised to make more effective use of instrumentation, particularly equipment in faculty research laboratories, though these changes to the curriculum do not represent changes in the overall description or objectives of these courses and so do not require formal changes to the course bulletin. These changes will be beneficial to students in both the thesis and examination tracks.

An additional advantage to the extended laboratory experience is that many students learn more effectively in this environment. Students are more apt to engage in collaborative learning during team-based laboratory exercises, and take more of an interest in problem solving. This will add value to the program beyond the simple learning of techniques.

The department is also dropping its language requirement for the MA degree, to allow students to focus more fully on the extended chemistry curriculum.

The proposed changes will emphasize laboratory work, and therefore support the following Learning Objectives laid out for MA students in the Outcomes Assessment plan for the Department of Chemistry: 1) Students can apply advanced experimental and/or computational techniques; 2) Students can engage in a high level of professional dialogue with colleagues; 3) Students can solve complex problems in a chemical workplace.

The department will assess the impact of these changes through a series of surveys, beginning with a survey of current alumni. The survey will address their perception of the value of the MA program and the extent to which it prepared them for their current careers. This will be supplemented by additional surveys, administered every three years, asking the same questions. Comparison of these surveys will permit assessment of the efficacy of the changes in meeting student needs.

Material located with ~~strike through~~ is to be deleted and material underlined is to be added.

Date of departmental approval: May 4, 2010

Effective Date: Fall 2010

Material located with ~~strike through~~ is to be deleted and material underlined is to be added.

Section A-III: CHANGES IN DEGREE REQUIREMENTS
Department of Accounting

M.S. in Accounting (C.P.A. qualifying)
HEGIS code 0502; SED program code 88398

The master of science in accounting program is registered with the New York State Education Department as meeting the 150 semester-hour requirement for CPA candidates. ~~Students who complete the program will be permitted to sit for the CPA examination.~~ Course work emphasizes asset valuation and related problems of enterprise reporting, tax research and planning, comptrollership and managerial accounting, contemporary accounting topics, and accounting requirements of the Securities and Exchange Commission (SEC). This program requires extensive preparation in the areas of professional accountancy and general business. Applicants who have completed the bachelor of science degree in accounting (public accountancy) at Brooklyn College satisfy the undergraduate education requirements of this program. All other applicants must ~~have an undergraduate degree in accounting (CPA Qualifying) or equivalent to be admitted into the program~~ present coursework equivalent to the requirements for the BS in public accounting at Brooklyn College.

Degree requirements

Thirty ~~three~~ credits are required for the degree.
Students must complete the following courses:

Accounting:

All of the following: Accounting 7106X (706X), 7107X (707X), 7108X (708X), and 7109X (709X).

Two of the following: Accounting 7110X (711X), 7120X (712X), 7130X (713X), 7140X (714X), 7150X (715X), 7190X (781X).

Economic analysis:

One of the following: Economics 7000X (700X), Economics 7205X (705X) or Business 7205X (705X), or Business 7206X (706X), or Economics 7010X (710X). Students who have not taken Economics 7025X (725.1X) or a comparable undergraduate mathematics course are advised to take Economics 7205X (705X) or Business 7205X (705X) or Business 7206X (706X).

Finance:

Economics 7215X (711X) or Business 7215X (711X) or Business 7240X (716X) or Business 7216X (730X).

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Quantitative methods:

Economics 7230X (722X) or Business 7230X (722X).

Business Electives/Econometrics:

~~Two~~ One courses from the following: Accounting 7110X (711X), 7120X (712X), 7130X (713X), 7140X (714X), 7150X (715X), 7190X (781X); Business 7200X (700X), 7202X (702X), 7204X (704X), 7208X (708X), 7220X (712X), 7240X (716X), 7250X (718X), 7255X (719X), 7260X (729X), 7216X (730X); Economics 7020X (720X), 7021X (721X).

With permission of the graduate deputy chairperson, up to 12 graduate credits may be accepted for work done at other institutions.

~~All students must pass a comprehensive examination (offered twice each year).~~

~~Students should consult with the graduate deputy Chairperson for further information.~~

Rationale: The requirements to take the CPA examination have changed. Students are now permitted to take the CPA exam after completing 120 credits. The 150-credit requirement (plus one year of accounting experience and passing the four parts of the CPA exam) is needed in order to be licensed. The current changes will reduce the number of required credits for the MS degree in accounting to 30 and will eliminate the comprehensive examination. The overwhelming majority of accounting majors are planning on taking the CPA exam after completing the 120 undergraduate credits. The CPA exam is for all practical purposes a very thorough, all-inclusive examination that all accountants who desire certification must pass. Thus, the comprehensive exam does not serve any purpose for accounting students and is being eliminated.

Business 7206X (706X) (“Applied Microeconomics for Business”) is more advanced than Economics/Business 7205X (705X) (“Managerial Economics”) and is a valuable course for accounting students. Business 7240X (716X) (“Global Finance and Management”) and Business 7216X (730X) (“Managerial Finance”) are useful courses for accounting majors and have been added as business electives.

Effective Date: Fall 2010

Date of Departmental Approval: May 4, 2010

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SECTION A-IV: NEW COURSES

Department of Physical Education and Exercise Science

PEES 7151X Motor Development and Analysis

45 hours; 3 credits

Theoretical Perspectives in Motor Development; Principles of Motion and Stability; Physical Growth and Aging; Development of Motor Skills across the Life Span; Perceptual-Motor Development; Functional Constraints to Motor Development; Interaction of Exercise and Structural Constraints; Effects of Practice Regimens and Feedback, and the Theoretical Perspectives Relevant to Motor Development Research. Students in this course will learn, examine and analyze the theories and principles that relate to skillful movement, physical activity, and fitness in one's life.

Prerequisite: None

Projected enrollment: 1 section of 15-20 students

Frequency of Offering: Once a year

Clearances: None

Rationale: Understanding lifespan motor development is important for educators at all levels, especially for physical educators and youth athletic coaches. The knowledge of the progression of human development and the factors which influence this development will assist prospective teachers in addressing the unique needs of their students and be more effective teachers. Adding this new course to our graduate program in Physical Education Teacher Education under the topic of motor development will enhance our teacher candidates' ability to satisfy and meet requirements of Standards 1 and 3 of Initial Physical Education Teacher Education Standards of the National Association for Sport and Physical Education (NASPE, 2008)

Date of departmental approval: April 20, 2010

Effective date: Fall, 2010

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SECTION A-IV: NEW COURSE
Department of Theater

THEA 7620: Theater in the Age of Globalization
60 hours; 4 credits

A consideration of the present and future state of theater in the Age of Globalization. How attitudes toward text and performance and the business of theater are changing as technology and international perspectives become more significant. The class includes interviews with members of the theater community engaged in global theater. A substantial final collaborative e-project is required.

Prerequisite: None

Frequency of Offering: Once a year, fall semester

Projected enrollment: 1 section, 15 students

Clearances: None

Rationale: In the face of mounting global developments in theater business and practice, the Department of Theater wishes to offer its graduate students an opportunity to research the latest developments in theater and to encounter theater professionals who are engaged in global theater. The course fulfills several of the Department of Theater's goals including "engagement with the ideas, history, and theories of theater necessary to appreciate its artistic and intellectual place in national and international culture" and "exposure to all facets of the professional theater world, both onstage and off."

Date of departmental approval: May 4, 2010

Effective date: Fall 2011