The following proposals, received on DAP between March 1-15, 2009, have now been approved.
For more information on the DAP process see the Academic Handbook at http://www.uwo.ca/univsec/handbook

FACULTY OF ARTS AND HUMANITIES

ENGLISH
Effective March 1, 2009, *the current prerequisite(s) statement for honors English courses numbered 2200 to 3999 will be revised for main campus only.*

> Prerequisite(s): At least 60% in 1.0 of English 1020E or 1022E or 1024E or 1027F/G and 1028F/G or 1035E or 1036E or permission of the Department.
>
> - With the exception of the prerequisite(s) for English 3880F/G which will add the statement above but will also leave in the reference to First Nations Studies 1020E.

Effective September 1, 2009, *the Admission Requirements for the following modules on main campus only, will be revised as follows:*

- Specialization In English Language And Literature,
- The Minor In English Language And Literature,
- The Minor In General English,
- The Minor In Dramatic Literature,
- The Minor In English For Teachers
- The Minor In Popular Literature And Cultural Studies

Admission Requirements
Completion of first-year requirements, including 1.0 from English 1020E or 1022E or 1024E or 1027F/G and 1028F/G or 1035E or 1036E with a mark of at least 60%. Students should consult with the Department prior to admission.

Effective September 1, 2009, *the Admission Requirements for the following module on main campus only, will be revised as follows:*

HONORS SPECIALIZATION IN ENGLISH LANGUAGE AND LITERATURE
Admission Requirements
Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including 1.0 course from English 1020E or 1022E or 1024E or 1027F/G and 1028F/G or 1035E or 1036E plus 2.0 additional courses, with no mark in these principal courses below 60%.

Effective September 1, 2009, *the Admission Requirements for the following module on main campus only, will be revised as follows:*

MAJOR IN ENGLISH LANGUAGE AND LITERATURE
Admission Requirements
Completion of first-year requirements, including 1.0 from English 1020E or 1022E or 1024E or 1027F/G and 1028F/G or 1035E or 1036E with a mark of at least 60%. Students will be eligible for an Honors BA with double major if they obtain 70% average in the courses of each major module with no mark less than 60% in each course. No failures on options.

COMPARATIVE LITERATURE AND CULTURE
Effective September 1, 2008, *the wording of the language requirement in three CLC modules be changed. The word "normally" has been removed from "... course is normally required..." in order to avoid the possible impression that the language requirement is optional.*

HONORS SPECIALIZATION IN COMPARATIVE LITERATURE AND CULTURE
2.0 courses are required to fulfill the language requirement for graduation...

MAJOR IN COMPARATIVE LITERATURE AND CULTURE
1.0 course is required to fulfill the language requirement for graduation...

SPECIALIZATION IN COMPARATIVE LITERATURE AND CULTURE
1.0 course is required to fulfill the language requirement for graduation...

VISUAL ARTS
Effective **March 1, 2009**, *Introduction to Gallery Practices VAS2285 be WITHDRAWN.*

Effective **March 1, 2009**, *Introduction to Gallery Practices VAS3387 be introduced.*

Visual Arts Studio 3387 Introduction to Gallery Practices This course examines the changing histories and roles of the museum and art gallery through practical skills development and critical engagement with ideas and materials. Direct hands-on experience and seminar discussions will allow students to gain insight into the many "representational" practices that produce meaning within the museum and gallery.
Antirequisite(s): The former VAS or VAH 2285
Prerequisite(s): At least one 2200 level VAS or VAH course.
6 seminar/studio hours, 1.0 course.

Effective September 1, 2009, *the wording for the BFA admission requirements be clarified to specify that a minimum grade of 70% is required in VAS1020 or VAS1025.*

BACHELOR OF FINE ARTS, HONORS SPECIALIZATION IN STUDIO ARTS
Admission Requirements
Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses including: a) VAS 1025 or VAS 1020; b) VAH 1040 and c) 1.0 additional course. There may be no mark less than 70% in either VAS 1025 or VAS 1020 and no mark less than 60% in VAH 1040 and the 1.0 additional principal course.
Students seeking admission to VAS 1025 directly from high school must submit a portfolio of their studio work for Department assessment as part of the University admission process. Students who are accepted and who meet the admission requirements listed above will be admitted to the BFA program without the need of another portfolio review at the end of the VAS1025 course.
Students admitted to VAS 1020 may still enter the BFA program provided they meet the admission requirements listed above and submit a portfolio of work for approval toward the end of the second term of the VAS1020 course.

Effective **March 1, 2009**, *VAS3380E (Art Criticism) be introduced.*

Visual Arts Studio 3380E – Art Criticism.
An introduction to art theory and criticism, with particular reference to present-day art.
Antirequisite(s): The former VAS or VAH 380E, VAS2281F/G and VAS3381F/G
Prerequisite(s): VAS 1020 or permission of the Department.
3 lecture hours, 1.0 course.

WRITING, RHETORIC, AND PROFESSIONAL COMMUNICATION
Effective March 1, 2009, *the prerequisites for courses in Writing be amended to read as shown below:*

2202F/G Advanced Exposition, Rhetoric, and Persuasion
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2203F/G Writing for Publication
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2204F/G Screenwriting
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2205F/G Technical Writing
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2206F/G Technical Editing
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2207F/G Writing for the Web
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2208F/G Teaching Writing
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2209F/G Document Design
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2210F/G Contemporary Grammar
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2211F/G Fundamentals of Creative Writing
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2212F/G Writing for Oral Presentation
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2213F/G Humour Writing
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2214F/G Creative Non-Fiction
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2291F/G Special Topics in Writing
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2292F/G Special Topics in Writing
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2293F/G Special Topics in Writing
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2294F/G Special Topics in Writing
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2295F/G Special Topics in Writing
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2296F/G Special Topics in Writing
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G, or permission of the program.

2299F/G The Writing Portfolio
Prerequisite(s): At least 65% in one of Writing 2101F/G, Writing 2121F/G, Writing 2111F/G, or Writing 2131F/G and 1.0 additional Writing course.

FACULTY OF ENGINEERING

Effective September 1, 2009, to revise the Integrated Engineering and Management program as a result of changes to the course offerings from the Electrical Department. Specifically, replacing ECE 2239A/B in second year with ECE 2277A/B (currently a course in the third year program) and introducing MME 3379A/B into the third year program as a required course. In addition, removing SE 3312A/B from the list of technical electives since it is no longer offered and replacing it with ECE 4436A/B.

INTEGRATED ENGINEERING AND MANAGEMENT PROGRAM

First Year Program
Regular first year curriculum in the Engineering program.

Second Year Program
Applied Mathematics 2415, Business Administration 2257, CBE 2221A/B, CBE 2291A/B, CEE 2202A/B, ECE 2238A/B, ECE 2277A/B, MME 2204A/B, MME 2259A/B, ES 2299A/B.

Third Year Program
Business Administration 3300, 3301, 3302Y, 3303, 3304, 3305Q/R/S/T, 3307, 3308A/B, 3316.

Fourth Year Program
ES 3399, CBE 2220A/B, CBE 3322A/B, CEE 2217A/B, CEE 2218A/B, CEE 2220A/B, ECE 3374A/B, MME 2213A/B, MME 3379A/B, Statistical Sciences 2143A/B, Business Administration 4430.

Fifth Year Program
ES 4499, ES 4498F/G, two 0.5 technical electives (see list below).
Business Administration 4415Q/R/S/T, 4428A/B, 4466A/B, three 4000 level Business half course equivalents.

Chemical and Biochemical Engineering:
CBE 2290A/B, CBE 3324A/B, CBE 3363A/B, CBE 3310A/B, CBE 4421A/B, CBE 4425A/B.

Civil and Environmental Engineering:
CEE 3348A/B, CEE 3361A/B, CEE 3362A/B, CEE 4405A/B, CEE 4458A/B, CEE 4465A/B, CEE 4477A/B.

Electrical and Computer Engineering:
ECE 3349A/B, ECE 3375A/B, ECE 4434A/B, ECE 4436A/B, ECE 4468A/B, SE 3314A/B.

Mechanical and Materials Engineering:
MME 3381A/B, MME 4452A/B, MME 4473A/B, MME 4487A/B, MME 4492A/B.

FACULTY OF HEALTH SCIENCES

KINESIOLOGY
*Effective **September 1, 2009,** Kinesiology 2276A/B be designated an essay course and the suffix be changed from A/B to F/G.*

Kinesiology 2276F/G - Psychology of Exercise
The central purpose of this course is to examine the psychological bases of exercise and physical activity. Emphasis is placed on understanding the motives and barriers underlying involvement in exercise and physical activity, the psychological benefits derived from acute and chronic involvement, the situational and personal determinants associated with failure to initiate and/or adhere to exercise and physical activity programs, the theoretical perspectives advanced to account for involvement, and intervention strategies used to stimulate and/or maintain involvement in exercise and physical activity.
Antirequisite(s): The former Kinesiology 488a/b.
Prerequisite(s): Kinesiology 1088A/B.
3 lecture hours, 0.5 course.

*Effective **September 1, 2009**, Kinesiology 3476F/G will be introduced in the School of Kinesiology with the following course description:*

Kinesiology 3476F/G: Exercise and Health Behaviour Change
This course will focus on (a) intervention grounded in behaviour change theory that positively influences physical activity in disease populations and (b) using exercise as a therapy to improve various health outcomes.
Prerequisite(s): Kin 2032A/B or the former Kin 332a/b, Kin 2276A/B or permission of Kinesiology
Antirequisite(s): The former Kin 4476F/G
3 lecture hours, 0.5 course

*Effective **September 1, 2009**, Kinesiology 4476F/G (Advanced Topics in Exercise Psychology) be WITHDRAWN from course offerings in the School of Kinesiology.*

*Effective **September 1, 2009**, Kin 2040A/B will be introduced in the School of Kinesiology with the following course description:*

Kinesiology 2040A/B – Foundations of Training Technique
An introduction to the basic knowledge and techniques associated in designing exercise programs for beginners. Students will be expected to learn and put into practice techniques used to develop muscular endurance, muscular strength and cardiovascular fitness. The student will train for eight weeks.
Prerequisite(s): Completion of first year Kinesiology program and registration in the School of Kinesiology.
Antirequisite(s): Kinesiology 2204Q/R/S/T
5 lecture/lab hours. 0.5 course

*Effective **September 1, 2009**, Kinesiology 3304A/B will be introduced in the School of Kinesiology with the following course description.*

Kinesiology 3304A/B - The Art and Science of Personal Training
This course will prepare students for CPTN certification and provide specific skills and knowledge necessary to be employed as a Personal Trainer. Students will be exposed to various methods of training (beyond machines and free weights) and spend a minimum of 20 hours in a practicum (field experience) situation.
Prerequisite(s): Kinesiology 2040A/B (with a grade of at least 75%); Anatomy and Cell Biology 2221 or Kinesiology 2222A/B
5 lecture/lab hours. 0.5 course

*Effective **September 1, 2010**, the following courses be introduced in the School of Kinesiology: Kinesiology 2030A/B: Games of Lower Organization, Kinesiology 2042A/B: Exercise for Specific Populations, Kinesiology 3410A/B: Exercise and Physical Activity for Older Adults, Kinesiology 3474A/B: Psychological Interventions in Exercise, Sport and Injury Rehabilitation, Kinesiology 3480A/B: Movement Neuroscience, Kinesiology 4437A/B: Medical Issues in Exercise and Sport, Kinesiology 4450A/B: Clinical Kinesiology, Kinesiology 4465A/B: Introduction to Social Theory of Sport and Exercise.*

Kinesiology 2030A/B: Games of Lower Organization
An introduction to simple games with basic rules, procedures, and equipment that promote the joy of physical activity, develop gross motor skills, and encourages life-long play.
Prerequisite(s): Registration in the School of Kinesiology
Antirequisite(s): Kinesiology 2224Q Summer 2008; Kinesiology 2224Q (003) 2008-09; 2224Q/R 2009-10
4 lecture/lab hours, 0.5 course

Kinesiology 2042A/B: Exercise for Specific Populations
This student-centred activity class is an introduction to the basic knowledge and techniques essential in designing exercise programs for specific populations. Students are expected to learn and put into practice techniques used to develop muscular strength and endurance, flexibility and cardiovascular fitness.
Prerequisite(s):   Registration in the School of Kinesiology
Anti-requisite: Kinesiology 271B 2006-07; Kinesiology 229B 2007-08; Kinesiology 2201B 2008-09; Kinesiology 2201A/B 2009-10
5 lecture/lab hours, 0.5 course

Kinesiology 3410A/B: Exercise and Physical Activity for Older Adults
This course will focus on the special needs and considerations of exercise programming for older adults.
Prerequisite(s): Kinesiology 2230A/B, 2241A/B and one of Kinesiology 2222A/B, Health Sciences 2330A/B or the former 2300A/B or Anatomy and Cell Biology 2221
Antirequisite(s): Kinesiology 3371A (002) 2008-09; Kinesiology 3372A 2009-010
3 lecture hours, 0.5 course

Kinesiology 3474A/B: Psychological Interventions in Exercise, Sport and Injury Rehabilitation
This course is designed to increase the student's understanding of the psychological interventions that can be employed to increase participation and performance in various physical activity settings.
Prerequisite: Kinesiology 2276F/G
Antirequisite(s): Kinesiology 3371B (001) 2008-09 and 2009-10
3 lecture hours, 0.5 course

Kinesiology 3480A/B: Movement Neuroscience
This course is designed to provide students with an intermediary level and multi-disciplinary understanding of movement neuroscience. Topics include nervous system structures involved in planning, control and learning of movement, as well as the neurocognitive principles of movement. Students will also be introduced to neuro-pathology (e.g. Parkinson's disease) and the relationship to motor impairment.
Prerequisite(s): Kinesiology 2230A/B, 2241A/B and one of Kinesiology 2222A/B or Anatomy and Cell Biology 2221
Antirequisite(s): Kinesiology 3371A 2008-09 and 2009-10
3 lecture hours, 0.5 course

Kinesiology 4437A/B: Medical Issues in Exercise and Sport
An introduction to a very broad range of selected medical topics relating to the diagnosis, treatment and rehabilitation for the active individual ranging from the "weekend warrior" to the elite or professional athlete. The medical topic focus will give students an exposure to various aspects of care as it related to exercise and sport participation.
Prerequisite(s): Kinesiology 2236A/B and Kinesiology 3336A/B
Antirequisite(s): Kinesiology 4473A 2008-09 and 2009-10
3 lecture hours, 0.5 course

Kinesiology 4450A/B: Clinical Kinesiology
This course is designed to explore the theoretical basis of clinical biomechanics and develop hands-on skills necessary to work in the area. Special emphasis will be in the areas of: Posture and Balance, Gait and Orthopaedic Biomechanics.
Prerequisite(s): One of Kinesiology 3341A/B, 3343A/B or 3353A/B
Antirequisite(s): Kinesiology 4475B 2008-09 and 2009-10
3 lecture, 2 lab hours, 0.5 course

Kinesiology 4465A/B: Introduction to Social Theory of Sport and Exercise
This course will explore key concepts, theorists, and issues in the social and cultural study of sport that help us to extend such questioning by way of theorizing.
Prerequisite(s): Kinesiology 2250A/B
Antirequisite(s): Kinesiology 4472B (001) 2008-09 and 2009-10
3 lecture hours, 0.5 course

NURSING

*Effective **September 1, 2009**, Nursing 4496W/X (Integrative Practicum – A Synthesis) be introduced in the Arthur Labatt Family School of Nursing.*

> Nursing 4496W/X – Integrative Practicum – A Synthesis
> In a selected area of practice, learners will focus on gaining proficiency, developing leadership skills and independence by working with a preceptor in a mentored relationship wherein they develop professional competencies and an individual philosophy of practice. On completion, the learner is ready to enter the profession as a novice.
> Prerequisite(s): Registration in the Compressed Time Frame BScN Program and Western-Fanshawe Collaborative BScN program
> 432 clinical/laboratory/seminar hours. 1.0 course.

*Effective **September 1, 2009**, Nursing 4498W/X Independent Practice in Nursing – A Synthesis, be WITHDRAWN from the Western-Fanshawe Collaborative BScN program.*

*Effective **September 1, 2009**, Nursing 4410W/X, Synthesizing Concepts and Practice in Nursing, be WITHDRAWN from the Compressed Time Frame BScN Program.*

FACULTY OF SCIENCE

STATISTICAL AND ACTUARIAL SCIENCES

*Effective **September 1, 2009**, Actuarial Science 1021A/B: Introduction to Financial Security Systems, be introduced by the Department of Statistical & Actuarial Sciences and made a recommended course in first year.*

> Actuarial Science 1021A/B: Introduction to Financial Security Systems
> The nature and cause of financial security and insecurity; public, private and employer programs and products to reduce financial insecurity, including social security, individual insurance and annuities along with employee pensions and benefits. Antirequisite(s): The former Actuarial Science 2421A/B. Prerequisite(s): None. 3 lecture hours, 1 tutorial hour, 0.5 course.

*Effective **September 1, 2009**, Actuarial Science 2421A/B: Introduction to Financial Security Systems, be WITHDRAWN.*

*Effective **September 1, 2009**, Actuarial Science 2427A/B: Life Contingencies I, be introduced by the Department of Statistical & Actuarial Sciences, replacing the course Actuarial Science 3427A/B.*

> Actuarial Science 2427A/B: Life Contingencies I
> Models for the time until death, single life annuity and life insurance present values and their probability distributions. Antirequisite(s): The former Actuarial Science 3427A/B. Prerequisite(s): A minimum mark of 60% in each of Actuarial Science 2553A/B, Calculus 2402A/B, and Statistical Sciences 2857A/B (or the former Statistical Sciences 2657A). Restricted to students enrolled in any Actuarial Science module. 3 lecture hours, 1 tutorial hour, 0.5 course.

*Effective **September 1, 2009**, Actuarial Science 2557A/B: Financial Markets and Investments, be introduced by the Department of Statistical & Actuarial Sciences.*

> Actuarial Science 2557A/B: Financial Markets and Investments
> Basic securities, financial market conventions, swaps, arbitrage pricing and hedging of forwards/futures, equity options, bonds, theories of the term structure, factors affecting option prices, arbitrage relations of calls and puts, trading strategies involving options, binomial model for stock prices, option pricing by replication under the binomial model. Prerequisite(s): A minimum mark of 60% in Calculus 1501A/B or Applied Mathematics 1413, or Calculus 1301 A/B with a minimum mark of 85%. 3 lecture hours, 1 tutorial hour, 0.5 course.

*Effective **September 1, 2009**, Actuarial Science 3424A/B: Loss Models I, be introduced by the Department of Statistical & Actuarial Sciences, replacing the course Actuarial Science 4424A/B.*

Actuarial Science 3424A/B: Loss Models I
Selection, calibration, validation, and application of frequency and severity models for insured losses.
Antirequisite(s): The former Actuarial Science 4424A/B. Prerequisite(s): A minimum mark of 60% in
Statistical Sciences 3657A/B. Restricted to students enrolled in any Actuarial Science module, or those
registered in the Honors Specialization module in Statistics or the Honors Specialization in Financial
Modelling module. 3 lecture hours, 0.5 course.

*Effective **September 1, 2009**, Actuarial Science 3427A/B: Contingencies I, be WITHDRAWN from the course
offerings of the Department of Statistical & Actuarial Sciences, as it is being replaced by Actuarial Science 2427A/B.*

*Effective **September 1, 2009**, the title for Actuarial Science 3429B: Contingencies II, offered by the Department of
Statistical & Actuarial Sciences, be changed Life Contingencies II and its prerequisites be revised.*

Actuarial Science 3429A/B: Life Contingencies II
Single life annuity and life insurance loss random variables and their distributions, with applications to the
analysis of benefit premiums and reserves. Prerequisite(s): A minimum mark of 60% in each of Actuarial
Science 2427A/B (or the former Actuarial Science 3427A/B), Statistical Sciences 2864A/B and Statistical
Sciences 2858A/B. Co-requisite(s): Statistical Sciences 3657A/B. 3 lecture hours, 1 tutorial hour, 0.5 course.

*Effective **September 1, 2009**, Actuarial Science 3431A/B: Life Contingencies III, be introduced by the Department of
Statistical & Actuarial Sciences, replacing Actuarial Science 4422A/B.*

Actuarial Science 3431A/B: Life Contingencies III
Analysis of probability distributions and present values associated with multiple life models, multiple
decrement models and more general multi-state models. Antirequisite(s): The former Actuarial Science
4422A/B. Prerequisite(s): A minimum mark of 60% in Actuarial Science 3429A/B and in Statistical Sciences
3657A/B. Restricted to students enrolled in any Actuarial Science module. 3 lecture hours, 0.5 course.

*Effective **September 1, 2009**, Actuarial Science 4422A/B: Multi-State Models, be WITHDRAWN from the course
offerings of the Department of Statistical & Actuarial Sciences, as it is being replaced by Actuarial
Science 3431A/B.*

*Effective **September 1, 2009**, Actuarial Science 4424A/B: Loss Models I, be WITHDRAWN from the course offerings
of the Department of Statistical & Actuarial Sciences, as it is being replaced by Actuarial Science 3424A/B.*

*Effective **September 1, 2009**, the prerequisite for Actuarial Science 4426F/G: Actuarial Practice I, offered in the
Department of Statistical & Actuarial Sciences, be revised.*

Actuarial Science 4426F/G: Actuarial Practice I
Introduction to the major areas and issues of actuarial practice, including insurance and annuity product
design, pricing and valuation, analysis of the cost of pensions and other employee benefits, asset liability
management and professionalism.
Prerequisite(s): A minimum mark of 60% in Actuarial Science 2427A/B. Restricted to students who have
completed all courses specifically mentioned in the Major in Actuarial Science module.
3 lecture hours, 0.5 course.

*Effective **September 1, 2009**, Actuarial Science 4427A/B: Actuarial Practice II, be WITHDRAWN from the course
offerings of the Department of Statistical & Actuarial Sciences.*

*Effective **September 1, 2009**, the prerequisite for Actuarial Science 4823A/B: Survival Analysis I, offered in the
Department of Statistical & Actuarial Sciences, be revised.*

Actuarial Science 4823A/B: Survival Analysis
Survival models, nonparametric estimation of the survival function, one and two or more sample hypothesis
tests, inference for semiparametric regression models, inference for parametric regression models.
Prerequisite(s): A minimum mark of 60% in Statistical Sciences 3858A/B.
3 lecture hours, 0.5 course.

*Effective **September 1, 2009**, the prerequisites for Actuarial Science 4824A/B: Loss Models II, offered by the
Department of Statistical & Actuarial Sciences, be revised.*

Actuarial Science 4824A/B: Loss Models II
Limited fluctuation credibility, greatest accuracy credibility, empirical Bayes parameter estimation, classical surplus process, adjustment coefficient, probability of ruin, maximal aggregate loss.
Prerequisite(s): A minimum mark of 60% in Statistical Sciences 3858A/B. Restricted to students enrolled in any Actuarial Science module, or those registered in the Honors Specialization module in Statistics or the Honors Specialization in Financial Modelling module. 3 lecture hours, 0.5 course.

*Effective **September 1, 2009**, the prerequisites for Actuarial Science 4950A/B: Selected Topics in Actuarial Science, offered in the Department of Statistical & Actuarial Sciences, be revised.*

Actuarial Science 4950A/B: Selected Topics in Actuarial Science
A course description will be available from the department at the time of registration.   Prerequisite(s): A minimum mark of 60% in Actuarial Science 2427A/B (or the former Actuarial Science 3427A/B) and permission of the department. 3 lecture hours, 0.5 course.

*Effective **September 1, 2009**, the prerequisites for Actuarial Science 4960F/G: Selected Topics in Actuarial Science, offered in the Department of Statistical & Actuarial Sciences, be revised.*

Actuarial Science 4960F/G: Selected Topics in Actuarial Science
A course description will be available from the department at the time of registration.   Prerequisite(s): A minimum mark of 60% in Actuarial Science 2427A/B (or the former Actuarial Science 3427A/B) and permission of the department. 3 lecture hours, 0.5 course.

*Effective **September 1, 2009**, Statistical Sciences 2657A/B: Introduction to Probability be WITHDRAWN from the course offerings of the Department of Statistical & Actuarial Sciences, as it is being replaced by Statistical Sciences 2857A/B.*

*Effective **September 1, 2009**, Statistical Sciences 2857A/B: Probability and Statistics I, be introduced by the Department of Statistical & Actuarial Sciences, replacing Statistical Sciences 2657A/B.*

Statistical Sciences 2857A/B: Probability and Statistics I
Probability axioms, conditional probability, Bayes' theorem. Random variables motivated by real data and examples. Parametric univariate models as data reduction and description strategies. Multivariate distributions, expectation and variance. Likelihood function will be defined and exploited as a means of estimating parameters in certain simple situations. Antirequisite(s): The former Statistical Sciences 2657A. Prerequisite(s): A minimum mark of 60% in both Calculus 1000A/B or Calculus 1100A/B and Calculus 1501A/B, or in both Calculus 1000A/B or Calculus 1100A/B plus a minimum mark of 85% in Calculus 1301A/B. 3 lecture hours, 1 tutorial hour, 0.5 course.

*Effective **September 1, 2009**, the course title for Statistical Sciences 2858A/B: Introduction to Mathematical Statistics, offered by the Department of Statistical & Actuarial Sciences, be changed to Probability and Statistics II and the course description and prerequisite(s) be revised.*

Statistical Sciences 2858A/B: Probability and Statistics II
An introduction to the theory of statistics with strong links to data as well as its probabilistic underpinnings. Topics covered include estimation and hypothesis testing, sampling distributions, linear regression, experimental design, law of large numbers and central limit theorem. Prerequisite(s): A minimum mark of 60% in Statistical Sciences 2857A/B (or the former Statistical Sciences 2657A/B). 3 lecture hours, 1 tutorial hour, 0.5 course.

*Effective **September 1, 2009**, the course title for Statistical Sciences 2864A/B: Statistical and Actuarial Computing, offered by the Department of Statistical & Actuarial Sciences, be changed to Statistical Programming, and the course description and prerequisite(s) be revised.*

Statistical Sciences 2864A/B: Statistical Programming
An introduction to programming using a high level language (currently R). Prerequisite(s): A minimum mark of 60% in Statistical Sciences 2857A/B (or the former Statistical Sciences 2657A/B), in Calculus 1000A/B or Calculus 1100A/B and in one of Calculus 1301A/B or Calculus 1501A/B. Pre-or Co-requisite: Statistical Sciences 2858A/B. 3 lecture hours, 1 tutorial hour, 0.5 course.

*Effective **September 1, 2009**, Statistical Sciences 3520A/B: Financial Modelling I, be introduced by the Department of Statistical & Actuarial Sciences, replacing the course Statistical Sciences 4520A/B.*

> Statistical Sciences 3520A/B: Financial Modelling
> Discrete-time market models, option pricing and replication, risk-neutral valuation and martingale measures, and the fundamental theorem of asset pricing. Discrete-time Black-Scholes. Value-at-risk, mean-variance portfolio analysis, capital asset pricing model. Discrete-time interest rate models. Duration, convexity and immunization. Simulation. Antirequisite(s): The former Statistical Sciences 4520A/B. Prerequisite(s): A minimum mark of 60% in Actuarial Science 2557A/B and Statistical Sciences 3657A/B plus enrollment in a Major or Honors module offered in the Department of Statistical and Actuarial Sciences. 3 lecture hours, 0.5 course.

*Effective **September 1, 2009**, Statistical Sciences 3652A/B: Applied Probability, be WITHDRAWN from the course offerings of the Department of Statistical & Actuarial Sciences.*

*Effective **September 1, 2009**, the course title for Statistical Sciences 3657A: Probability I, offered by the Department of Statistical & Actuarial Sciences, be changed to Intermediate Probability; the course description and prerequisite(s) be revised; and this course be made an A/B term course instead of an A term course only.*

> Statistical Sciences 3657A/B: Intermediate Probability
> A continuation of the study of multivariate probability and stochastic processes. This course builds on the background developed in the second year courses, and focuses on the more advanced aspects of multivariate probability, namely transformations where the domain of random variables must be carefully considered. Prerequisites: A minimum mark of 60% in Statistical Sciences 2858A/B and in Applied Mathematics 2503A/B. 3 lecture hours, 1 tutorial hour, 0.5 course.

*Effective **September 1, 2009**, Statistical Sciences 3814A/B: Applied Statistical Computing, be WITHDRAWN from the course offerings of the Department of Statistical & Actuarial Sciences, as it is being replaced by Statistical Sciences 3850F/G.*

*Effective **September 1, 2009**, Statistical Sciences 3816A/B: Statistical Quality Control, be WITHDRAWN from the course offerings of the Department of Statistical & Actuarial Sciences.*

*Effective **September 1, 2009**, Statistical Sciences 3843A/B: Introduction to Study Design, be introduced by the Department of Statistical & Actuarial Sciences.*

> Statistical Sciences 3843A/B: Introduction to Study Design
> A case study approach to how data are collected in science, social science and medicine, including the methods of designed experiments, sample surveys, observational studies and administrative records.
> Prerequisite(s): A minimum mark of 60% in Statistical Sciences 2858A/B.
> 3 lecture hours, 1 tutorial hour, 0.5 course.

*Effective **September 1, 2009**, Statistical Sciences 3846A/B: Design and Analysis of Experiments, be WITHDRAWN from the course offerings of the Department of Statistical & Actuarial Sciences, as it is being replaced by Statistical Sciences 4846A/B.*

*Effective **September 1, 2009**, Statistical Sciences 3850F/G: Data Analysis, be introduced by the Department of Statistical & Actuarial Sciences, replacing Statistical Sciences 3814A/B.*

> Statistical Sciences 3850F/G: Data Analysis
> A course in applied statistical computing using popular statistical software such as R or SAS. The primary objective of this course is to strengthen students' applied statistics skills and statistical problem solving abilities. At the end of the course they should be able to identify suitable statistical methodologies for different situations and critically evaluate the appropriateness of model assumptions.
> Antirequisite(s): The former Statistical Sciences 3814A/B. Prerequisite(s): A minimum mark of 60% in Statistical Sciences 2858A/B.
> 2 lecture hours, 2 laboratory hours, 0.5 course.

*Effective **September 1, 2009,** Statistical Sciences 3853F/G: Survey Sampling, be WITHDRAWN from the course offerings of the Department of Statistical & Actuarial Sciences, as it is being replaced by Statistical Sciences 4853A/B.*

*Effective **September 1, 2009,** the course title for Statistical Sciences 3858A/B: Theory of Statistics, offered by the Department of Statistical & Actuarial Sciences, be changed to Mathematical Statistics, and the course description and prerequisite(s) be revised.*

> Statistical Sciences 3858A/B: Mathematical Statistics
> Point estimation: sufficiency, completeness, consistency, unbiasedness, Cramer-Rao inequality, Rao-Blackwell theorem, Hypotheses tests: uniformly most powerful tests, likelihood ratio tests.
> Prerequisite(s): A minimum mark of 60% in Statistical Sciences 3657A/B.
> 3 lecture hours, 1 tutorial hour, 0.5 course.

*Effective **September 1, 2009,** the course title for Statistical Sciences 3859A/B: Regression Analysis, offered by the Department of Statistical & Actuarial Sciences, be changed to Regression, and the course description and prerequisite(s) be revised.*

> Statistical Sciences 3859A/B: Regression
> Multiple linear regression, Gauss-Markov theorem, Cochran's theorem, Craig's theorem, stepwise regression, polynomial regression, use of indicator variables, and regression diagnostics. Prerequisite(s): A minimum mark of 60% in each of Statistical Sciences 2858A/B and Applied Mathematics 2503A/B. 3 lecture hours, 1 tutorial hour, 0.5 course.

*Effective **September 1, 2009,** Statistical Sciences 3861A/B: Time Series Analysis, be WITHDRAWN from the course offerings of the Department of Statistical & Actuarial Sciences, as it is being replaced by Statistical Sciences 4861A/B.*

*Effective **September 1, 2009,** Statistical Sciences 4520A/B: Financial Modelling, be WITHDRAWN from the course offerings of the Department of Statistical & Actuarial Sciences, as it is being replaced by Statistical Sciences S3520A/B.*

*Effective **September 1, 2009,** the course description and prerequisite(s) for Statistical Sciences 4521F/G: Advanced Financial Modelling, offered by the Department of Statistical & Actuarial Sciences, be revised.*

> Statistical Sciences 4521F/G: Advanced Financial Modelling
> Continuous-time models, Brownian motion, stochastic integrals, Ito's lemma. Black-Scholes-Merton market model, arbitrage and market completeness, Black-Scholes PDE, risk-neutral pricing and martingale measures. Greeks and hedging, extensions of Black-Scholes model, implied volatility, American option valuation. Vasicek and Cox-Ingersoll-Ross interest rate models.
> Prerequisite(s): A minimum mark of 60% in either Statistical Sciences 3520A/B (or the former Statistical Sciences 4520A/B) or Applied Mathematics 3613B. 3 lecture hours, 0.5 course.

*Effective **September 1, 2009,** Statistical Sciences 4652A/B: Stochastic Processes, be WITHDRAWN from the course offerings of the Department of Statistical & Actuarial Sciences.*

*Effective **September 1, 2009,** Statistical Sciences 4654A/B: Markov Chains with Applications, be introduced by the Department of Statistical and Actuarial Sciences.*

> Statistical Sciences 4654A/B: Markov Chains with Applications
> Continuous-time Markov chains, applications to phase-type distributions, Markov chain Monte Carlo simulation and queuing theory. Antirequisite(s): The former Statistical Sciences 3652A/B, former Statistical Sciences 4652A/B, former Statistical Sciences 4657A/B and former Statistical Sciences 4737A/B.
> Prerequisite(s): A minimum mark of 60% in Statistical Sciences 3657A/B. 3 lecture hours, 0.5 course

*Effective **September 1, 2009,** Statistical Sciences 4657A/B: Probability II, be WITHDRAWN from the course offerings of the Department of Statistical & Actuarial Sciences.*

*Effective **September 1, 2009**, Statistical Sciences 4737A/B: Topics in Operations Research, be WITHDRAWN from the course offerings of the Department of Statistical & Actuarial Sciences.*

*Effective **September 1, 2009**, Statistical Sciences 4846A/B: Experimental Design, be introduced by the Department of Statistical & Actuarial Sciences, replacing Statistical Sciences 3846A/B.*

> Statistical Sciences 4846A/B: Experimental Design
> Completely randomized designs, randomized complete and incomplete block designs, factorial and fractional factorial designs, latin square designs, hierarchical designs, random and fixed effect models. Antirequisite(s): The former Statistical Sciences 3846A/B. Prerequisite(s): Statistical Sciences 3843A/B and Statistical Sciences 3859A/B. 3 lecture hours, 1 tutorial hour, 0.5 course.

*Effective **September 1, 2009**, Statistical Sciences 4848A/B: Multivariate Analysis, be WITHDRAWN from the course offerings of the Department of Statistical & Actuarial Sciences.*

*Effective **September 1, 2009**, the course description and prerequisite(s) for Statistical Sciences 4850F/G: Advanced Data Analysis, offered by the Department of Statistical & Actuarial Sciences, be revised.*

> Statistical Sciences 4850F/G: Advanced Data Analysis
> Modern methods of data analysis including linear and generalized linear models, modern nonparametric regression, principal component analysis, multilevel modelling and bootstrapping. Prerequisite(s): A minimum mark of 60% in both Statistical Sciences 3858A/B and Statistical Sciences 3859A/B. 3 lecture hours, 0.5 course.

*Effective **September 1, 2009**, Statistical Sciences 4853A/B: Sampling Theory and Methods, be introduced by the Department of Statistical & Actuarial Sciences, replacing Statistical Sciences 3853F/G.*

> Statistical Sciences 4853A/B Sampling Theory and Methods
> Simple random sampling with and without replacement, stratification, systematic sampling, cluster and multistage clustering, ratio and regression estimation, models in surveys, survey design, estimation and analysis.
> Antirequisite(s): The former Statistical Sciences 3853F/G.
> Prerequisite(s): Statistical Sciences 3859A/B and Statistical Sciences
> 3843A/B. 3 lecture hours, 1 tutorial hour, 0.5 course.

*Effective **September 1, 2009**, Statistical Sciences 4858A/B: Advanced Theory of Statistics, be WITHDRAWN from the course offerings of the Department of Statistical & Actuarial Sciences.*

*Effective **September 1, 2009**, Statistical Sciences 4859A/B: Generalized Linear Models, be WITHDRAWN from the course offerings of the Department of Statistical & Actuarial Sciences.*

*Effective **September 1, 2009**, Statistical Sciences 4861A/B: Time Series, be introduced by the Department of Statistical & Actuarial Sciences, replacing Statistical Sciences 3861A/B.*

> Statistical Sciences 4861A/B: Time Series
> ARIMA models, seasonality, dynamic regression, model building using an interactive computer package, forecasting, intervention analysis, control, applications in econometrics, business, and other areas.
> Antirequisite(s): The former Statistical Sciences 3861A/B.
> Prerequisite(s): A minimum mark of 60% in both Statistical Sciences
> 3858A/B and Statistical Sciences 2864A/B. 3 lecture hours, 1 tutorial hour, 0.5 course.

*Effective **September 1, 2009**, Statistical Sciences 4864A/B: Statistical Computing, be WITHDRAWN from the course offerings of the Department of Statistical & Actuarial Sciences.*

*Effective **September 1, 2009**, the Major in Actuarial Science offered by the Department of Statistical and Actuarial Sciences be revised.*

> **MAJOR IN ACTUARIAL SCIENCE**
> Admission Requirements
> Completion of first-year requirements, including the following:

(Calculus 1000A/B or Calculus 1100A/B) and (Calculus 1501A/B or (Calculus 1301A/B with a mark of at least 85%)), Linear Algebra 1600A/B, Economics 1021A/B and Economics 1022A/B, plus 0.5 other principal course with no mark less than 60% in any of the 3.0 principal courses.

Recommended (but not required) first year courses: Actuarial Science 1021A/B, Business Administration 1220, Philosophy 1200.

Please note: Economics 1021A/B and Economics 1022A/B, if not taken in first year, must be completed in one of the upper years in the program. Applied Mathematics 1413 may be substituted for Calculus requirement. Applied Mathematics 1411A/B may be substituted for Linear Algebra requirement. Linear Algebra 1600A/B (or Applied Mathematics 1411A/B), if not taken in the first year, must be completed prior to the second term of second year.

Module
6.0 courses:
2.0 courses: Actuarial Science 2553A/B, Actuarial Science 2555A/B, Actuarial Science 2427A/B, Actuarial Science 3429A/B.
2.0 courses: Statistical Sciences 2857A/B, Statistical Sciences 2858A/B, Statistical Sciences 2864A/B, Statistical Sciences 3657A/B.
1.0 course: Calculus 2402A/B, Applied Mathematics 2503A/B.
1.0 additional Actuarial Science course at the 4000 level.

A student who has already taken Calculus 2502A/B may combine it with Mathematics 2123A/B as a substitute for Calculus 2402A/B.

Note: This module can be used only in a 4-year degree.

*Effective **September 1, 2009**, the Major in Statistics offered by the Department of Statistical and Actuarial Sciences be revised.*

MAJOR IN STATISTICS
Admission Requirements
Completion of first-year requirements, including the following:
(Calculus 1000A/B or Calculus 1100A/B) and (Calculus 1501A/B or (Calculus 1301A/B with a mark of at least 85%)), Statistical Sciences 1023A/B, Linear Algebra 1600A/B, plus 1.0 other principal course with no mark less than 60% in any of the 3.0 principal courses.

Please note: Applied Mathematics 1413 may be substituted for Calculus requirement. Applied Mathematics 1411A/B may be substituted for Linear Algebra requirement. Linear Algebra 1600A/B (or Applied Mathematics 1411A/B), if not taken in the first year, must be completed prior to the second term of second year.

Module
6.0 courses:
4.0 courses: Statistical Sciences 2857A/B, Statistical Sciences 2858A/B, Statistical Sciences 2864A/B, Statistical Sciences 3657A/B, Statistical Sciences 3843A/B, Statistical Sciences 3850F/G, Statistical Sciences 3858A/B, Statistical Sciences 3859A/B
1.0 course from: Actuarial Science 3424A/B, Actuarial Science 4823A/B, Statistical Sciences 3520A/B, Statistical Sciences 4521F/G, Statistical Sciences 4853A/B, Applied Mathematics 3815A/B, Applied Mathematics 3613B, Applied Mathematics 3817A/B
1.0 course: Calculus 2402A/B, Applied Mathematics 2503A/B

A student who has already taken Calculus 2502A/B may combine it with Mathematics 2123A/B as a substitute for Calculus 2402A/B.

*Effective **September 1, 2009**, the Major in Financial Modelling offered by the Department of Statistical and Actuarial Sciences be revised.*

MAJOR IN FINANCIAL MODELLING
Admission Requirements
Completion of first-year requirements, including the following:
Calculus 1000A/B or Calculus 1100A/B or (Calculus 1301A/B with a mark of at least 85%), Calculus 1501A/B, Linear Algebra 1600A/B, plus 1.5 other principal courses with no mark less than 60% in any of the 3.0 principal courses.

Recommended (but not required) first year courses: Economics 1021A/B and Economics 1022A/B, Philosophy 1200, Computer Science 1026A/B.

Please note: Applied Mathematics 1413 may be substituted for Calculus requirement. Applied Mathematics 1411A/B may be substituted for Linear Algebra requirement. Linear Algebra 1600A/B (or Applied Mathematics 1411A/B), if not taken in the first year, must be completed prior to the second term of second year.

Module
6.0 courses:
1.5 courses: Actuarial Science 2553A/B, Actuarial Science 2555A/B, Actuarial Science 2557A/B.
2.5 courses: Calculus 2402A/B, Applied Mathematics 2503A/B, Applied Mathematics 2813B, Applied Mathematics 3815A/B, Applied Mathematics 3817A/B
1.5 courses: Statistical Sciences 2857A/B, Statistical Sciences 2858A/B, Statistical Sciences 3657A/B
0.5 course from: Applied Mathematics 3613B, Statistical Sciences 3520A/B

A student who has already taken Calculus 2502A/B may combine it with Mathematics 2123A/B as a substitute for Calculus 2402A/B.

*Effective **September 1, 2009**, the Honors Specialization in Actuarial Science offered by the Department of Statistical and Actuarial Sciences be revised.*

HONORS SPECIALIZATION IN ACTUARIAL SCIENCE
Admission Requirements
Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including:(Calculus 1000A/B or Calculus 1100A/B) and (Calculus 1501A/B or (Calculus 1301A/B with a mark of at least 85%)), Linear Algebra 1600A/B, Economics 1021A/B and Economics 1022A/B, plus 0.5 additional principal course, with no mark less than 60% in any of the 3.0 principal courses.

Recommended (but not required) first year courses: Actuarial Science 1021A/B, Business Administration 1220, Philosophy 1200.

Please note: Economics 1021A/B and Economics 1022A/B, if not taken in first year, must be completed in one of the upper years in the program.   Applied Mathematics 1413 may be substituted for Calculus requirement. Applied Mathematics 1411A/B may be substituted for Linear Algebra requirement. Linear Algebra 1600A/B (or Applied Mathematics 1411A/B), if not taken in the first year, must be completed prior to the second term of second year.

Module
10.5 courses:
3.5 courses: Actuarial Science 2553A/B, Actuarial Science 2555A/B, Actuarial Science 2557A/B, Actuarial Science 2427A/B, Actuarial Science 3429A/B, Actuarial Science 3431A/B, Actuarial Science 4426F/G
4.5 courses: Statistical Sciences 2857A/B, Statistical Sciences 2858A/B, Statistical Sciences 2864A/B, Statistical Sciences 3657A/B, Statistical Sciences 3843A/B, Statistical Sciences 3858A/B, Statistical Sciences 3859A/B, Statistical Sciences 3520A/B, Statistical Sciences 4861A/B 1.0 courses: Calculus 2402A/B, Applied Mathematics 2503A/B
0.5 course from Actuarial Science 3424A/B or Actuarial Science 4824A/B 1.0 courses in Actuarial Science at the 4000 level or any other course at the 4000 level approved by the Department of Statistical and Actuarial Sciences. Statistical Sciences 4521F/G is highly recommended.

A student who has already taken Calculus 2502A/B may combine it with Mathematics 2123A/B as a substitute for Calculus 2402A/B.

*Effective **September 1, 2009**, the Honors Specialization in Statistics offered by the Department of Statistical and Actuarial Sciences be revised.*

HONORS SPECIALIZATION IN STATISTICS
Admission Requirements
Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including: (Calculus 1000A/B or Calculus 1100A/B) and (Calculus 1501A/B or (Calculus 1301A/B with a mark of at least 85%)), Linear Algebra 1600A/B, plus 1.5 additional principal courses, with no mark less than 60% in any of the 3.0 principal courses.

Recommended course: Statistical Sciences 1023A/B.

Please note: Applied Mathematics 1413 may be substituted for Calculus requirement. Applied Mathematics 1411A/B may be substituted for Linear Algebra requirement. Linear Algebra 1600A/B (or Applied Mathematics 1411A/B), if not taken in the first year, must be completed prior to the second term of second year.

Module
9.0 Courses:
5.5 courses: Statistical Sciences 2857A/B, Statistical Sciences 2858A/B, Statistical Sciences 2864A/B, Statistical Sciences 3657A/B, Statistical Sciences 3843A/B, Statistical Sciences 3858A/B, Statistical Sciences 3859A/B, Statistical Sciences 3850F/G, Statistical Sciences 4846A/B or Statistical Sciences 4853A/B, Statistical Sciences 4850F/G, Statistical Sciences 4861A/B
1.0 courses: Calculus 2402A/B, Applied Mathematics 2503A/B
1.5 courses from: Actuarial Science 3424A/B, Actuarial Science 4824A/B, Actuarial Science 4823A/B, one of Statistical Sciences 4846A/B or Statistical Sciences 4853A/B
1.0 courses from: Actuarial Science 3424A/B, Actuarial Science 4824A/B, Actuarial Science 4823A/B, Statistical Sciences 3520A/B, Statistical Sciences 4521F/G, Statistical Sciences 4853A/B, any other 0.5 course in Statistical Sciences at the 4000 level not already taken, Applied Mathematics 3815A/B, Applied Mathematics 3817A/B, Applied Mathematics 3613B, or any other 0.5 course at the 4000 level approved by the Department of Statistical and Actuarial Sciences.

A student who has already taken Calculus 2502A/B may combine it with Mathematics 2123A/B as a substitute for Calculus 2402A/B.

*Effective **September 1, 2009**, the Honors Specialization in Financial Modelling offered by the Department of Statistical and Actuarial Sciences be revised.*

HONORS SPECIALIZATION IN FINANCIAL MODELLING
Admission Requirements
Completion of first-year requirements with no failures. Students must have an average of at least 70% in 3.0 principal courses, including:(Calculus 1000A/B or Calculus 1100A/B) and (Calculus 1501A/B or (Calculus 1301A/B with a mark of at least 85%)), Linear Algebra 1600A/B, plus 1.5 additional principal courses, with no mark less than 60% in any of the 3.0 principal courses.

Recommended (but not required) first year courses: Economics 1021A/B and Economics 1022A/B, Philosophy 1200, Computer Science 1027A/B.

Please note: Applied Mathematics 1413 may be substituted for Calculus requirement. Applied Mathematics 1411A/B may be substituted for Linear Algebra requirement. Linear Algebra 1600A/B (or Applied Mathematics 1411A/B), if not taken in the first year, must be completed prior to the second term of second year.

Module
9.5 courses:

4.0 courses: Statistical Sciences 2857A/B, Statistical Sciences 2858A/B, Statistical Sciences 2864A/B, Statistical Sciences 3520A/B, Statistical Sciences 3657A/B, Statistical Sciences 3858A/B, Statistical Sciences 4521F/G, Statistical Sciences 4861A/B
1.5 courses: Actuarial Science 2553A/B, Actuarial Science 2555A/B, Actuarial Science 2557A/B
3.5 courses: Calculus 2402A/B, Applied Mathematics 2503A/B, Applied Mathematics 2811B, Applied Mathematics 2813B, Applied Mathematics 3815A/B, Applied Mathematics 3613B, Applied Mathematics 3817A/B
0.5 courses from: Applied Mathematics 4613A/B or Applied Mathematics 4617A/B

A student who has already taken Calculus 2502A/B may combine it with Mathematics 2123A/B as a substitute for Calculus 2402A/B.

MATHEMATICS

*Effective **September 1, 2009**, Mathematics 4121A, General Topology be WITHDRAWN.*

*Effective **September 1, 2009**, Mathematics 3132B, General Topology, be introduced in the Faculty of Science.*

Mathematics 3132B - General Topology
Topological spaces, operations on subsets (e.g. closure), neighbourhoods, bases, subspaces, quotient spaces, product spaces, connectedness, compactness, countability and separation axioms, function spaces.
Antirequisite(s): the former Mathematics 4121A.
Prerequisite(s): Mathematics 3122A/B.
3 lecture hours, 0.5 course.

FACULTY OF SOCIAL SCIENCE

ECONOMICS
Effective March 1, 2009: *to revise (because of a previous omission) the admissions requirements for the Global Economics Honors Specialization offered in the Department of Economics in the Faculty of Social Science. The Note in parentheses is to be added.*

GLOBAL ECONOMICS HONORS SPECIALIZATION
Admission Requirements
Completion of first-year requirements with no failures. Students must have an average of at least 70% with no mark less than 60% in 3.0 principal courses, including an average of at least 70% with no grades less than 60% in the following 1.5 courses: Economics 1021A/B and 1022A/B, or Economics 1020; and 0.5 course from Calculus 1000A/B or 1100A/B. (Note: Students entering this program before September 1, 2010, who have not completed Calculus 1000A/B or Calculus 1100A/B may fulfill the math entry requirement with an average of at least 70% and no mark less than 60% in 1.0 course from Linear Algebra 1600A/B, Mathematics 1225A/B, 1229A/B, the former Mathematics 030. Such students are required to complete Economics 2210A/B as part of the module requirements.)

BRESCIA UNIVERSITY COLLEGE

*Effective **September 1, 2009**, Foods and Nutrition 2300A/B Food Processing and Engineering be introduced at Brescia University College and the Faculty of Science.*This course will be offered only by the Division of Food and Nutritional Sciences, Brescia University College.

Foods and Nutrition 2300A/B Food Processing and Engineering
Covers food processing and engineering principles. Includes lectures (fundamentals of the various food processing and food preservation techniques) and site visits to food industry processing plants. Visits allow students to see plants in operation and to examine standard food processing equipment, plant physical layouts and cleaning and sanitation programs.
Prerequisite(s): Physics 1028A/B , Calculus 1000A/B or 1100A/B or Mathematics1225A/B
Corequisite: Foods and Nutrition 2232

2 lecture/2 site visit hours 0.5 course
(Brescia)

*Effective **September 1, 2009**, Foods and Nutrition 2350A/B Laboratory Methods in Food Science be introduced at Brescia University College and the Faculty of Science, The University of Western Ontario. This course will be offered only by the Division of Food and Nutritional Sciences, Brescia University College.*

Foods and Nutrition 2350A/B Laboratory Methods in Food Science
Promotes understanding of laboratory techniques to identify microorganisms in foods. Emphasis on selected methods and their utilization and/or application in food science, public health, sanitation, foods and nutrition.
Restricted to the Food Science module or by permission of the Division of Food and Nutritional Sciences
Prerequisite(s): Biology 1290B
4 laboratory hours 0.5 course. (Brescia)

*Effective **September 1, 2009**, Foods and Nutrition 3310A/B Food Product Development be introduced at Brescia University College and the Faculty of Science, The University of Western Ontario. This course will be offered only by the Division of Food and Nutritional Sciences, Brescia University College.*

Foods and Nutrition 3310A/B Food Product Development
Examines the food product development process from concept to market. Discusses challenges, importance to the food industry, methods and techniques as well as new advancements and developments. Students will complete a product development project.
Prerequisite(s): Foods and Nutrition 2232
2 lecture/2 lab hours 0.5 course
(Brescia)

*Effective **September 1, 2009**, Foods and Nutrition 3320A/B Global Policies and Food Safety be introduced at Brescia University College and the Faculty of Science, The University of Western Ontario.*
This course will be offered only by the Division of Food and Nutritional Sciences, Brescia University College.

Foods and Nutrition 3320A/B Global Policies and Food Safety
Examines issues of food safety in the global context and the influence of local, national, international economic and political policies with emphasis on food laws, trading policies, import-export agreements, agriculture, etc. Country case studies highlight current issues and changes in the policies of the regions.
Prerequisites: Permission of the Division of Food and Nutritional Sciences.
3 lecture hours 0.5 course
(Brescia)

*Effective **September 1, 2009**, Foods and Nutrition 4420A/B Sensory Evaluation of Foods be introduced at Brescia University College and the Faculty of Science, The University of Western Ontario. This course will be offered only by the Division of Food and Nutritional Sciences, Brescia University College.*

Foods and Nutrition 4420A/B Sensory Evaluation of Foods
Covers principles of sensory and consumer science including test methods (discrimination, affective and descriptive tests), questionnaire design, experimental design, statistical considerations and decision analysis. Examines sensory properties of foods through lab experiments and projects. Prerequisite(s): Foods and Nutrition 3342A/B, Statistics 2037A/B or Sociology 2205A/B or any statistics course at the 2000+ level.
2 lecture/2 laboratory hours 0.5 course
(Brescia)

*Effective **September 1, 2009**, Foods and Nutrition 4430A/B Food Microbiology/Safety and Analysis be introduced at Brescia University College and the Faculty of Science, The University of Western Ontario. This course will be offered only by the Division of Food and Nutritional Sciences, Brescia University College.*

Foods and Nutrition 4430A/B Food Microbiology/Safety and Analysis
Covers microorganisms that cause food spoilage, food infections and intoxications. Students will learn about various fermentation processes, intrinsic and extrinsic factors and their effects on microbial activities, including industrial applications of microorganisms in food production. Examines selected quantitative

analysis of food by chemical, physical and instrumental means. Prerequisite(s): Foods and Nutrition 2350A/B.
3 lecture/3 lab hours 0.5 course
(Brescia)

Effective **September 1, 2009**, *Food Science 4440A/B Current Issues in Food Science and Technology be introduced at Brescia University College and the Faculty of Science, The University of Western Ontario.*
This course will be offered only by the Division of Food and Nutritional Sciences, Brescia University College.

Foods and Nutrition 4440A/B Current Issues in Food Science and Technology
Examines current issues in Food Science and Technology, involving a review of existing literature on functional foods, nutraceuticals, and food additives. Emphasis on regulatory issues, safety and efficacy of specific functional foods. Examines food waste or by-product management, a critical factor in recycling valuable food components.
Prerequisite(s): Foods and Nutrition 2232
3 lecture hours 0.5 course
(Brescia)

HURON UNIVERSITY COLLEGE

PHILOSOPHY

Effective **September 1, 2009**, *Philosophy 3029F/G Thomas Reid will be introduced at Huron University College.*

Philosophy 3029F/G Thomas Reid
An intermediate study of 18th-century Scottish Common Sense Philosopher Thomas Reid's work in epistemology, metaphysics, ethics. Topics may include: empiricism; nativism; skepticism; perception; evidence; testimony; language; freedom and responsibility; personal identity; qualities; philosophical method; Reid's defense of Christianity and philosophy of religion; Reid's relations to his predecessors, contemporaries, and successors.
Prerequisite(s): Philosophy 2202 F/G
3 hours, 0.5 course

KING'S UNIVERSITY COLLEGE

CATHOLIC STUDIES
Effective **September 1, 2009**, *the admission requirements for the Honors Specialization and Major modules in Catholic Studies for Teachers will be revised, and Vulnerable Sector Screening information added.*

HONORS SPECIALIZATION IN CATHOLIC STUDIES FOR TEACHERS
Admission Requirements – PENDING APPROVAL BY SCAPA
Students are ordinarily admitted into Catholic Studies for Teachers (CST) in first year. The admission of each candidate is determined by the Admissions Committee. In the admissions process, candidates are chosen according to academic and non-academic criteria. In addition to meeting the minimum academic requirements, applicants to this program will submit:

a) a personal statement;
b) reference letters;
c) an experience profile;
d) a supporting letter from their parish priest confirming their commitment to their faith, a requirement for employment in the Catholic school system and essential for fulfillment of the service learning component of the program; and

Catholic Studies for Teachers is a limited enrolment program, and admission after first year is dependent upon meeting both the academic and non-academic requirements. More competitive academic standing may be required when demand exceeds capacity.

Academic Admission Requirements - PENDING APPROVAL BY SCAPA
Completion of first-year requirements with an overall average of at least 75% on at least 5.0 courses including Religious Studies 1027E and the necessary first-year course for a declared second teachable subject. Philosophy 1300E or 1150E is highly recommended. Enrolment in this module is limited. Meeting the minimum requirements does not guarantee acceptance.

Module
9.5 courses:
3.0 courses normally taken in second year: Religious Studies 2201F/G, 2202F/G, 2203F/G, 2205F/G, 2207E.
2.0 courses: Religious Studies 2204F/G, 2242E, 3301F/G.
1.0 course from: Religious Studies 2247E or 2271F/G and 2272F/G.
0.5 course: Religious Studies 3300F/G (or Philosophy 2660E).
0.5 course: Religious Studies 2208U, 3308U.*
0.5 course taken in fourth year: Religious Studies 4408Y
1.0 additional course in Religious Studies at the 2200 level or above.
1.0 additional course in Religious Studies at the 3000 level or above.

Note: Students using Philosophy 2660E to meet module requirements need only take an additional 0.5 Religious Studies course at the 2200 level or above. If both Religious Studies 3300F/G and Philosophy 2660E are taken, Philosophy 2660E may still be counted as a Religious Studies course at the 2200 level.

* All students pursuing an Honors Specialization or Major module in Catholic Studies for Teachers will be expected to complete field placements in second and third year. Credit for these two 0.25 credit service learning courses will be evaluated on a PASS/FAIL basis.
Religious Studies 2208U: Catholic Education (1) in second year.
Religious Studies 3308U: Catholic Education (2) in third year.

In addition to completing the module requirements noted above, students must successfully complete courses to support a second teachable subject area, with a minimum average of 75% on these courses, with no course grade less than 60%.

Vulnerable Sector Screening – going to SCAPA
Neither The University of Western Ontario nor King's University College requires a Criminal Records Check or other screening procedure (e.g., Vulnerable Sector Screen [VSS]) as a condition of admission into the Catholic Studies for Teachers program. However, prospective students should be aware that a criminal records check, VSS, and or medical tests, may be required in order to take part in the school field placement. In such cases, it is the student's responsibility to have the necessary procedure(s) completed. Students will not be permitted access to such courses without having completed this requirement.

Students will share VSS or other record check information directly with the facility or agency to which they have been assigned a placement and may, if they wish, disclose results to the Department. Students unable to complete a field placement because they are unable to meet a facility's requirement for such a screening, or because a facility refuses to accept them on the basis of the information contained in the record check or other screening procedure, will not be eligible for progression or graduation. Students enrolled in a field placement may not be able to pass the course if they have not met an agency's requirement, or if the agency refuses to accept them on the basis of the information contained in the record check or other screening procedure. Students should check with the Department for details regarding course access and the time frame within which a screening must be completed.

Graduation Requirements
Are not changing

MAJOR IN CATHOLIC STUDIES FOR TEACHERS
Admission Requirements – PENDING APPROVAL BY SCAPA
Students are ordinarily admitted into Catholic Studies for Teachers (CST) in first year. The admission of each candidate is determined by the Admissions Committee. In the admissions process, candidates are chosen according to academic and non-academic criteria. In addition to meeting the minimum academic requirements, applicants to this program will submit:

a) a personal statement;
b) reference letters;
c) an experience profile;
d) a supporting letter from their parish priest confirming their commitment to their faith, a requirement for employment in the Catholic school system and essential for fulfillment of the service learning component of the program; and

Catholic Studies for Teachers is a limited enrolment program, and admission after first year is dependent upon meeting both the academic and non-academic requirements. More competitive academic standing may be required when demand exceeds capacity.

Academic Admission Requirements
Completion of first-year requirements with an overall average of at least 75% on at least 5.0 courses including Religious Studies 1027E and the necessary first-year course for a declared second teachable subject. Philosophy 1300E or 1150E is highly recommended. Enrolment in this module is limited. Meeting the minimum requirements does not guarantee acceptance.

Module
7.0 courses:
4.0 courses: Religious Studies 2201F/G, 2202F/G, 2203F/G, 2204F/G, 2207E, 2242E.
1.0 course from: Religious Studies 2247E or 2271F/G and 2272F/G.
0.5 course: Religious Studies 2208U, 3308U.*
0.5 course taken in fourth year: Religious Studies 4408Y.
0.5 course from Religious Studies at the 2200 level or above.
0.5 course from Religious Studies at the 3000 level or above.

* All students pursuing an Honors Specialization or Major module in Catholic Studies for Teachers will also be expected to complete field placements in second and third year. Credit for these two 0.25 credit service learning courses will be on a PASS/FAIL basis.
Religious Studies 2208U: Catholic Education (1) in second year.
Religious Studies 3308U: Catholic Education (2) in third year.

In addition to completing the module requirements noted above, students must successfully complete courses to support a second teachable subject area, with a minimum average of 75% on these courses, with no course grade less than 60%.

Vulnerable Sector Screening – going to SCAPA
Neither The University of Western Ontario nor King's University College requires a Criminal Records Check or other screening procedure (e.g., Vulnerable Sector Screen [VSS]) as a condition of admission into the Catholic Studies for Teachers program. However, prospective students should be aware that a criminal records check, VSS, and or medical tests, may be required in order to take part in the school field placement. In such cases, it is the student's responsibility to have the necessary procedure(s) completed. Students will not be permitted access to such courses without having completed this requirement.

Students will share VSS or other record check information directly with the facility or agency to which they have been assigned a placement and may, if they wish, disclose results to the Department. Students unable to complete a field placement because they are unable to meet a facility's requirement for such a screening, or because a facility refuses to accept them on the basis of the information contained in the record check or other screening procedure, will not be eligible for progression or graduation. Students enrolled in a field placement may not be able to pass the course if they have not met an agency's requirement, or if the agency refuses to accept them on the basis of the information contained in the record check or other screening procedure. Students should check with the Department for details regarding course access and the time frame within which a screening must be completed.

Graduation Requirements
Are not changing.

ECONOMICS
*Effective **September 1, 2009**, Economics 3344A/B: Labor Economics I, and 3345A/B: Labour Economics II, be introduced at King's University College.*

Economics 3344A/B - Labor Economics I
A study of the labor market, including wage and employment determination, labor force participation, investment in labor market skills and unions.
Antirequisite(s): Economics 2155A/B, Economics 2156A/B, and Economics 3391A/B taught at King's in 2006-2007 and 2007-2008.
Prerequisite(s): Economics 2261A/B
3 lecture hours, 0.5 course.
(King's)

Economics 3345A/B - Labor Economics II
Covers topics on the "new labor economics" including economics of discrimination, fertility, marriage, health and crime.
Antirequisite(s): Economics 2155A/B, Economics 2156A/B, and Economics 3391A/B taught at King's in 2006-2007 and 2007-2008.
Prerequisite(s): Economics 2261A/B
3 lecture hours, 0.5 course.
(King's)

MANAGEMENT AND ORGANIZATIONAL STUDIES
Effective **September 1, 2009**, MOS 3401F/G will be introduced at King's University College.

Management and Organizational Studies 3401F/G - Corporate Social Responsibility
Examines the origins and development of corporate social responsibility (CSR). As established CSR standards and principles do not exist, participants enter the debate on how CSR should develop and what it should entail. Students learn how to distinguish fads, ploys and false reasoning from demonstrable successes and sustainable improvements.
Antirequisite(s): MOS 3315F/G (King's) 2005-2008
Pre-requisite(s): Enrollment in the BMOS program.
3 lecture hours, 0.5 course
(King's)

Effective **September 1, 2009**, MOS 4410A/B will be revised by adding MOS 3310A/B, 3320A/B and 3330A/B to the pre-requisites, at King's University College.

Management and Organizational Studies 4410A/B – Strategic Management for Management and Organizational Studies
Identification and analysis of problems and strengths in the organizational environment, using models from the social sciences. Strategies designed to deal with organizational challenges will be explored.
Prerequisite(s): MOS 3310A/B, 3320A/B and 3330A/B and enrolment in Year Four of BMOS or the Honors Specialization or Specialization in Foods and Nutrition.
3 lecture hours, 0.5 course.
(Brescia, Huron, King's)

Effective **September 1, 2009**, the pre-requisites for MOS 4470A/B will be revised at King's University College.

Management and Organizational Studies 4470A/B – Organization and Management Theory
Seminar course reviewing the main theories of management. Readings will focus on the main ideas of each theory. Students will therefore be exposed to the breadth of the field as opposed to depth in one area, in general preparation for graduate management research.
Prerequisite(s): Registration in the fourth year of the BMOS program.
3 hours, 0.5 course. (King's)

That effective **September 1, 2009**, The Honors Specializations in Finance and Administration, Global Commerce and Organizational and Human Resources; the Honors Double Major majors in Accounting, Management and Organizational Studies, Organizational and Human Resources, and Global Commerce; and the Specialization modules in Finance and Administration, Organizational and Human Resources, and Global Commerce, in Management and Organizational Studies, will be revised to reflect course revisions and course offerings at King's University College.

MOS HONORS SPECIALIZATION IN FINANCE AND ADMINISTRATION
Module 15.5 courses

5.0 first-year principal courses:
1.0 course: MOS 1020A/B, 1033A/B.
1.0 course: Business Administration 1220.
0.5 course from Mathematics 1225A/B; Calculus 1000A/B, 1100A/B; or the former
Mathematics 030.
0.5 course from: Mathematics 1229A/B; Calculus 1301A/B, 1501A/B; Linear Algebra 1600A/B; or the former
Mathematics 030.
1.0 course: Economics 1021A/B and 1022A/B, or Economics 1020.
1.0 designated essay course numbered 1020E-1099E.

10.5 senior courses:
1.0 course normally taken in second year: Business Administration 2257.
1.0 course normally taken in second year from: Economics 2222A/B and 2223A/B, or MOS 2242A/B and
Economics 2223A/B.
1.0 course normally taken in second year: Economics 2220A/B, 2260A/B.
0.5 course from: MOS 2155A/B, MOS 2280F/G; Psychology 2660A/B
3.5 courses normally taken in third year: MOS 3310A/B, 3320A/B, 3330A/B, 3360A/B, 3361A/B, 3372.
1.0 course normally taken in third year from: MOS 3401F/G; Philosophy 2074F/G, 2075F/G, 2700F/G,
2725E.
1.5 courses from: Actuarial Science 2053; MOS 2275A/B, MOS 3363A/B, 4460A/B, 4461A/B.
0.5 course from: MOS 3312A/B, 3395A/B.
0.5 course normally taken in fourth year: MOS 4410A/B.

MOS HONORS SPECIALIZATION IN GLOBAL COMMERCE
Module 15.5 courses

5.0 first-year principal courses:
1.0 course: MOS 1020A/B, 1033A/B.
1.0 course: Business Administration 1220.
0.5 course from Mathematics 1225A/B; Calculus 1000A/B, 1100A/B; or the former
Mathematics 030.
0.5 course from: Mathematics 1229A/B; Calculus 1301A/B, 1501A/B; Linear Algebra 1600A/B; or the former
Mathematics 030.
1.0 course: Economics 1021A/B and 1022A/B, or Economics 1020.
1.0 designated essay course numbered 1020E-1099E (Political Science 1020E is strongly recommended).

10.5 senior courses:
1.0 course normally taken in second year: Business Administration 2257.
1.0 course normally taken in second year from: Economics 2222A/B and 2223A/B, or MOS 2242A/B and
Economics 2223A/B.
2.0 courses normally taken in second year: Economics 2220A/B, 2221A/B, 2260A/B, 2261A/B.
0.5 course normally taken in second year from: MOS 2155A/B, 2280F/G; Psychology 2660A/B
1.0 course normally taken in third year from: MOS 3360A/B, 3361A/B, 3372.
1.5 courses normally taken in third year: MOS 3310A/B, 3320A/B, 3330A/B.
1.0 course normally taken in third year from: MOS 3401F/G; Philosophy 2074F/G, 2075F/G, 2700F/G,
2725E.
0.5 course normally taken in third year: MOS 2220F/G.
1.0 course normally taken in fourth year: MOS 4404A/B, 4410A/B.
1.0 course normally taken in fourth year from: Economics 2162A/B, 3317A/B, 3343F/G, 3370A/B; Political
Science 2231E.

MOS HONORS SPECIALIZATION IN ORGANIZATIONAL AND HUMAN RESOURCES
Module 15.5 courses

5.0 first-year principal courses:
1.0 course: MOS 1020A/B, 1033A/B.

1.0 course from: Business Administration 1220; Economics 1021A/B and 1022A/B, or Economics 1020.
1.0 course from: Mathematics 1225A/B, 1228A/B, 1229A/B; Calculus 1000A/B, 1100A/B, 1301A/B, 1501A/B; Linear Algebra 1600A/B; Statistical Sciences 1024A/B; or the former Mathematics 030.
1.0 course: Psychology 1000
1.0 course from: Sociology 1020, 1021E.

10.5 senior courses:
1.0 course normally taken in second year: Business Administration 2257.
1.0 course normally taken in second year from: Economics 2222A/B and 2223A/B, or MOS 2242A/B and Economics 2223A/B, or Statistical Sciences 2035.
0.5 course from: MOS 2155A/B, 2280F/G; Psychology 2660A/B.
0.5 course normally taken in third year: MOS 2220F/G.
1.5 courses normally taken in third year: MOS 3310A/B, 3320A/B, 3330A/B.
1.0 course normally taken in third year from: MOS 3360A/B, 3361A/B, 3372.
1.0 course normally taken in third year from: MOS 3401F/G; Philosophy 2074F/G, 2075F/G, 2700F/G, 2725E.
1.5 courses normally taken in fourth year: MOS 4410A/B, 4470A/B, 4485F/G.
2.5 courses normally taken in fourth year from: MOS 2240A/B, 3341F/G, 3342A/B, 3343A/B, 3344F/G, 3352F/G, 3355F/G, 3383A/B, 4404A/B; Sociology 3314F/G, 3315F/G, 3316F/G, 3350F/G.

MOS (HONORS) DOUBLE MAJOR

MOS MAJOR IN MANAGEMENT AND ORGANIZATIONAL STUDIES
Module 7.0 courses
1.0 course: Business Administration 2257.
0.5 course from: Economics 2222A/B; MOS 2242A/B.
0.5 course from: MOS 2220F/G, 4404A/B.
2.0 courses: MOS 3310A/B, 3320A/B, 3330A/B, 3385A/B.
1.0 course: MOS 4410A/B, 4470A/B.
2.0 courses from: MOS 2155A/B OR MOS 2280F/G, 2240A/B, 2275A/B, 3401F/G, 3340E, 3360A/B, 3361A/B, 3372, the former 380E; Political Science 2211E; Sociology 3350F/G.

MOS MAJOR IN ACCOUNTING
Module 7.0 courses
1.0 course: Business Administration 2257.
0.5 course from: Economics 2222A/B; MOS 2242A/B.
0.5 course from: MOS 2275A/B, 3363A/B.
3.5 courses: MOS 3310A/B, 3320A/B, 3330A/B, 3360A/B, 3361A/B, 3372.
1.5 courses: MOS 4410A/B, 4460A/B, 4461A/B.

MOS MAJOR IN ORGANIZATIONAL AND HUMAN RESOURCES
Module: 7.0 courses
1.0 course: Business Administration 2257.
0.5 course from: MOS 2155A/B, 2280F/G.
0.5 course from: Economics 2222A/B; MOS 2242A/B.
0.5 course: MOS 2220F/G.
1.5 courses: MOS 3310A/B, 3320A/B, 3330A/B.
0.5 course: MOS 4470A/B.
1.0 course: MOS 4410A/B, 4485F/G.
1.5 courses from: MOS 2240A/B, 3401F/G, 3341F/G, 3342A/B, 3343A/B, 3344F/G, 3352F/G, 3355F/G, 3356F/G, 3383A/B, 4404A/B; Sociology 3316F/G.

MOS MAJOR IN GLOBAL COMMERCE
Module: 7.0 courses
1.0 course: Business Administration 2257.
0.5 course from: Economics 2222A/B; MOS 2242A/B.
0.5 course: MOS 2220F/G.
2.0 courses: MOS 3310A/B, 3320A/B, 3330A/B, 3385A/B.
1.0 course: MOS 4404A/B, 4410A/B.
2.0 courses from: Economics 2162A/B, 3317A/B, 3343F/G, 3352A/B, 3370A/B; MOS 3401F/G, 3390A/B,

4470A/B; Political Science 2231E.

MOS SPECIALIZATION IN FINANCE AND ADMINISTRATION
Module: 15.5 courses
5.0 first-year courses:
1.0 course: MOS 1020A/B, 1033A/B.
1.0 course: Business Administration 1220.
1.0 course from: Mathematics 1225A/B, 1228A/B, 1229A/B; Calculus 1000A/B, 1100A/B, Calculus 1301A/B, 1501A/B; Linear Algebra 1600A/B; Statistical Sciences 1024A/B; or the former Mathematics 030*.
1.0 course: Economics 1021A/B and 1022A/B, or Economics 1020.
1.0 designated essay course numbered 1020E-1099E.

*NOTE: Students wishing to transfer to a BMOS Honors degree must have the proper Mathematics prerequisites for advanced economics courses.

10.5 senior courses:
1.0 course normally taken in second year: Business Administration 2257.
1.0 course normally taken in second year from: Economics 2150A/B or 2260A/B and 2152A/B or 2220A/B.
1.0 course normally taken in second year from: Economics 2122A/B or 2222A/B and 2123A/B or 2223A/B; or Statistical Sciences 2035.
0.5 course normally taken in second year from: MOS 2155A/B, 2280F/G; Psychology 2660A/B.
1.0 course normally taken in third year from: MOS 3372 or 3360A/B and 3361A/B (MOS 3360A/B and 3361A/B are prerequisites for MOS 4460A/B and 4461A/B).
1.5 courses normally taken in third year: MOS 3310A/B, 3320A/B, 3330A/B.
1.0 course from: Actuarial Science 2053; Economics 2154A/B, 2156A/B, 2159A/B, 2160A/B, 2165F/G, 2180A/B, 2184A/B; MOS 3312A/B.
1.0 course from: MOS 3401F/G; Philosophy 2074F/G, 2075F/G, 2700F/G, 2725E.
0.5 course normally taken in fourth year: MOS 4410A/B.
2.0 courses from: Economics 2162A/B, 2163A/B, 2164A/B; History 2213F/G, 2217F/G; MOS 2275A/B, 2290A/B-2292A/B, 3363A/B, 3372 (MOS 3372 must be completed in year 4 if not taken in year 3), 3390A/B-3392A/B, 3395A/B-3398A/B, 4404A/B, 4460A/B, 4461A/B, 4470A/B; Political Science 2211E, 2246E; Sociology 3309F/G.

Notes:
1. Selected Topics courses for the Specialization must be approved for relevancy prior to enrolment.
2. All BMOS students must complete 1.0 designated essay course at the senior level.

MOS SPECIALIZATION IN GLOBAL COMMERCE
Module:18.5 courses
5.0 first-year courses:
1.0 course: MOS 1020A/B, 1033A/B.
1.0 course: Business Administration 1220.
1.0 course from: Mathematics 1225A/B, 1228A/B, 1229A/B; Calculus 1000A/B, 1100A/B, 1301A/B, 1501A/B; Linear Algebra 1600A/B; Statistical Sciences 1024A/B; or the former Mathematics 030*.
1.0 course: Economics 1021A/B and 1022A/B, or Economics 1020.
1.0 course: Political Science 1020E.

*Note: Students wishing to transfer to a BMOS Honors degree must have the proper Mathematics prerequisites for advanced economics courses.

13.5 senior courses:
1.0 course normally taken in second year: Business Administration 2257.
1.0 course normally taken in second year from: Economics 2150A/B or 2260A/B and 2152A/B or 2220A/B.
1.0 course normally taken in second year from: Political Science 2131, 2231E.
0.5 course normally taken in second year from: MOS 2155A/B, 2280F/G; Psychology 2660A/B.
1.0 course normally taken in second year from: Economics 2122A/B or 2222A/B and 2123A/B or 2223A/B; or Statistical Sciences 2035.
3.0 courses normally taken in third year: MOS 2220F/G, 3310A/B, 3320A/B, 3330A/B, 3372.
1.0 course normally taken in third year from: Economics 2124A/B, 2125A/B, 2138F/G, 2139F/G, 2151A/B or 2261A/B, 2153A/B or 2221A/B, 2162A/B, 2163A/B, 2164A/B.

1.0 course normally taken in third year from MOS 3401F/G; Philosophy 2074F/G, 2075F/G, 2700F/G, 2725E.
1.0 course normally taken in fourth year: MOS 4404A/B, 4410A/B.
1.0 course normally taken in fourth year from: MOS 2275A/B, 2276A/B, 3312A/B, 4470A/B.
2.0 courses normally taken in fourth year from: Centre for Global Studies 2001F/G, 2002F/G; MOS 2290A/B-2292A/B, MOS 3390A/B-3392A/B; Political Science 2211E, 2235E, 2240E, 2243E, 2248E, the former 239E, 241E; Sociology 2221A/B, 2232, 3353F/G, 3354F/G.

Notes:
1. Selected Topics courses for the Specialization must be approved for relevancy prior to enrolment.
2. All BMOS students must complete 1.0 designated essay course at the senior level.

MOS SPECIALIZATION IN ORGANIZATIONAL AND HUMAN RESOURCES
Note: Courses required for the Canadian Human Resource Profession (CHRP) designation may be taken as part of this module. See BMOS Academic Counselling for further information.
Module: 15.0 courses

5.0 first-year courses:
1.0 course: MOS 1020A/B, 1033A/B.
1.0 course from: Business Administration 1220; Economics 1021A/B and 1022A/B, or Economics 1020*.
1.0 course: Psychology 1000.
1.0 course from: Sociology 1020, 1021E.
1.0 course from: Mathematics 1225A/B, 1228A/B, 1229A/B; Calculus 1000A/B, 1100A/B, 1301A/B, 1501A/B; Linear Algebra 1600A/B; Statistical Sciences 1024A/B; or the former Mathematics 030**.

*Note: Economics 1021A/B and 1022A/B, or Economics 1020, is required for students taking advanced level Economics courses in third or fourth year.
**Note: Students wishing to transfer to a BMOS Honors degree must have the proper Mathematics prerequisites for advanced economics courses.

10.0 senior courses:
1.0 course normally taken in second year: Business Administration 2257.
1.0 course normally taken in second year from: Sociology 2205A/B, 2206A/B; Social Work 2205; Statistical Sciences 2035.
0.5 course normally taken in second year from: MOS 2155A/B, 2280F/G; Psychology 2660A/B.
2.0 courses normally taken in third year: MOS 2220F/G, 3310A/B, 3320A/B, 3330A/B.
1.0 course from: MOS 3401F/G; Philosophy 2074F/G, 2075F/G, 2700F/G, 2725E.
0.5 course normally taken in fourth year from: MOS 4485F/G
1.0 course normally taken in fourth year: MOS 4410A/B, 4470A/B.
3.0 courses from: History 2213F/G, 2217F/G; MOS 2275A/B, 2290A/B-2292A/B, 3341F/G, 3342A/B, 3343A/B, 3344F/G, 3352F/G, 3355F/G, 3356F/G, 3372, 3383A/B, 3390A/B-3392A/B, the former 382E; Political Science 2211E, 2246E; Sociology 3308F/G, 3314F/G, 3315F/G, 3316F/G.

Notes:
1. Selected Topics courses for the Specialization must be approved for relevancy prior to enrolment.
2. All BMOS students must complete 1.0 designated essay course at the senior level.

SOCIOLOGY
*Effective **September 1, 2009**, the Honors Specialization in Criminology at King's University College will be revised as follows: 1) Sociology 2274F/G and Philosophy 2221F/G will be removed; 2) the second instance of Sociology 2273F/G will be removed; and 3) the wording of the final requirement will be revised to read "0.5 course in Sociology numbered 4000-4999."*

HONORS SPECIALIZATION IN CRIMINOLOGY
Module
9.0 courses:
3.5 courses: Sociology 2205A/B and 2206A/B, Sociology 3306A/B, 3310F, 4404F/G, 4430F/G, 4437F/G.
1.0 course from: Sociology 2240E or 2270A/B and 2271A/B.
3.0 courses from: Sociology 2225A/B, 2253A/B, 2256A/B, 2259, 2260A/B, 2266A/B, 2267A/B, 2273F/G, 3340F/G, 3357F/G, 3361F/G, 3363F/G, 3366F/G, 3374F/G.

1.0 course from: Law 2101, Philosophy 2080, Psychology 2031A/B, Sociology 2140, 2143E, 2152A/B, 2233, 2272F/G, 3371F/G.
0.5 course in Sociology numbered 4000-4999

REGISTRAR'S UPDATE

The following Minor changes have been approved:

Faculty of Music,
Performance Diploma (Three-Year Program)
Present Calendar Copy:
This is a program for students in performance who wish to concentrate on the study of Music Performance in lieu of, prior to, following or concurrent with a course of study leading to an
academic degree.

Proposed Calendar Copy:
This is a program primarily for students who wish to concentrate on the study of Music Performance concurrent with a course of study leading to an academic degree at Western.

School of Kinesiology
Minor course change for Kinesiology 3343A/B – Biomechanical Analysis of Discrete Sport Skills (course hours changing).

Present Calendar Copy:
Kinesiology 3343A/B - Biomechanical Analysis of Discrete Sport Skills
A laboratory-oriented, quantitative approach to the study of jumping, striking and throwing patterns incorporated into various sports.
Antirequisite(s): Kinesiology 3341A/B.
Prerequisite(s): Kinesiology 2241A/B; Anatomy and Cell Biology 2221 or Kinesiology 2222A/B. Priority to BSc Honors Specialization Kinesiology students.
2 lecture hours, 2 laboratory hours, 0.5 course.

Proposed Calendar Copy:
Kinesiology 3343A/B - Biomechanical Analysis of Discrete Sport Skills
A laboratory-oriented, quantitative approach to the study of jumping, striking and throwing patterns incorporated into various sports.
Antirequisite(s): Kinesiology 3341A/B.
Prerequisite(s): Kinesiology 2241A/B; Anatomy and Cell Biology 2221 or Kinesiology 2222A/B. Priority to BSc Honors Specialization Kinesiology students.
3 lecture hours, 2 laboratory hours, 0.5 course.