

REPORT OF THE SENATE COMMITTEE ON ACADEMIC POLICY AND AWARDS

(SCAPA)

Faculties of Science and Social Science: Honors Specialization in Animal Behavior (BSc)

Schulich School of Medicine & Dentistry: Major in Microbiology and Immunology

Faculty of Science: Minor in Game Development

Faculty of Social Science: Minor in Refugee and Migrant Studies

Faculty of Law: Admission Requirements - General Category

New Scholarships and Awards

Consideration for Admission of Candidates from Accredited Degree-Granting Institutions

FOR APPROVAL

1. Faculties of Science and Social Science: Honors Specialization in Animal Behavior (BSc)

Recommended: That effective September 1, 2006, an Honors Specialization in Animal Behavior leading to a Bachelor of Science degree be introduced jointly in the Department of Biology, Faculty of Science, and the Department of Psychology, Faculty of Social Science.

NEW CALENDAR COPY

HONORS SPECIALIZATION IN ANIMAL BEHAVIOR (BSc)

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 Biology 022 or 023, Chemistry 020 or 023, Psychology 020 or 023, plus 1.0 additional principal course, with no mark in the principal courses below 60%.

Physics 028a/b (or 020, or 024, or the former Physics 022 or 025)

1.0 course from: Applied Mathematics 026, Calculus 050a/b, 051a/b, 081a/b, 091a/b, Linear Algebra 040a/b, Mathematics 028a/b, 030, Statistical Sciences 024a/b. If not completed in first year, the Mathematics requirement must be completed by the end of second year.

Module

10.0 courses:

1.5 courses: Biology 283a, 286a, 290F/G

1.5 courses: Psychology 223a/b, 280E

0.5 course from: Psychology 205a/b, 215a/b

0.5 course* from: Biology 244a/b, Psychology 281, Statistical Sciences 135, 222a/b

1.5 courses from: Psychology 302F/G, 317F/G, 322F/G, 326a/b, 329a/b

1.5 courses from: Biology 272b, 284a, 335b, 342F/G, 346b, 375a/b

0.5 course from: Biology 336F/G, Psychology 321F/G

0.5 course from: Biology 459F, Psychology 380F/G

1.0 course* from: Biology 411F/G, 436G, 441F, 499E (1.5 courses)
1.0 course from: Psychology 408F/G, 419F/G, 428F/G, 439F/G, 485E

* If Psychology 281 or Statistical Sciences 135 or Biology 499E is taken, the number of courses in the module will be adjusted accordingly to equal 10.5 or 11.0 courses.

Notes:

1) The following Psychology courses count towards the 11.0 Faculty of Science course requirements for this BSc degree: Psychology 205a/b, 215a/b, 223a/b, 280E, 281, 302F/G, 317F/G, 321F/G, 322F/G, 380F/G.

2) Students planning to pursue a graduate degree in Biology or Psychology are strongly encouraged to take either Biology 499E or Psychology 485E, but both may not be taken in this module. Both Biology 499E and Psychology 485E have limited enrolment.

Background:

The rationale for the module is to provide students an opportunity to study interdisciplinary approaches to animal behavior. The module draws on expertise from both the Faculty of Science and the Faculty of Social Science to provide students with courses addressing both proximate (e.g., hormones, biochemicals) and ultimate (e.g., evolutionary) explanations for animal behavior.

2. **Schulich School of Medicine & Dentistry: Major in Microbiology and Immunology**

Recommended: That effective September 1, 2006, a Major in Microbiology and Immunology be introduced in the Department of Microbiology and Immunology by the Faculty of Science and the Schulich School of Medicine and Dentistry.

NEW CALENDAR COPY

MAJOR IN MICROBIOLOGY AND IMMUNOLOGY

A degree containing this module normally requires four years for completion.

Admission Requirements

Completion of first-year requirements, including the following 4.0 courses with a minimum mark of 60% in each:

1.0 course from: Biology 022, 023

1.0 course from: Chemistry 020, 023

1.0 course from: Applied Mathematics 026, Calculus 050a/b, 051a/b, 081a/b, 091a/b, Linear Algebra 040a/b, Mathematics 028a/b, 030, Statistical Sciences 024a/b

1.0 course from: Physics 020, 024, 028a/b, 029a/b, or the former Physics 022, 025

Module

6.0 courses:

0.5 course: Biochemistry 280a

1.0 course: Chemistry 213a/b, 223b

1.0 course: Biology 281b, 282b

0.5 course: Microbiology and Immunology 220a

0.5 course: Biochemistry 381a

1.5 courses: Microbiology and Immunology 357a, 360b, 361G

1.0 course from: Microbiology and Immunology 461b, 465a, 467b, 473a

Note: Enrolment in Biochemistry 381a requires a minimum mark of 65% in Biochemistry 280a, and a minimum average of 65% in Chemistry 213a/b and 223b.

Background:

The enrolment limit of 300 students per annum that will be implemented by the BMSc program this year (2006) imposes a dilemma for undergraduate students who wish to do a module in Microbiology and Immunology, but will be enrolled in the Faculty of Science. Currently, a student in the BSc program would be able to register only for a Minor in Microbiology and Immunology. With the offering of a Major in Microbiology and Immunology, students will be able to combine this Major with another Major in Science and obtain a BSc Honors degree; or they can obtain a BSc (Four-Year) degree with a single Major. Students in the BMSc program could do a double Major (both modules from the Medical Sciences offerings) and the Department of Microbiology and Immunology wants to be able to participate in that choice. Currently, some students are doing a Major in one medical science discipline and a Major in Medical Sciences. This second Major allows them to take a number of the Microbiology and Immunology courses, but they do not have that designation on their degree.

3. **Faculty of Science: Minor in Game Development**

Recommended: That effective September 1, 2006, a Minor in Game Development be introduced in the Department of Computer Science by the Faculty of Science.

NEW CALENDAR COPY

MINOR IN GAME DEVELOPMENT

A degree containing this module may require four years for completion.

Admission Requirements

Registration in either the Honors Specialization, the Major, or the Specialization in Computer Science. Either Linear Algebra 040a/b or permission of the department.

Module

These courses must not have been included already in the Honors Specialization, the Major or the Specialization in Computer Science.

4.0 courses:

3.0 courses: Computer Science 346a/b, 388a/b, 474a/b, 480y, 482a/b, 483a/b

0.5 course from: Computer Science 357a/b, 374a/b, 377a/b, 402a/b, 442a/b, 457a/b, 488a/b

0.5 course from: Computer Science courses at the 300 level or above; courses at the 200 level or above in Applied Mathematics, Calculus, Differential Equations, Mathematics, Music, Physics, Statistical Sciences, Visual Arts or Writing. NOTE: Students in the Major or the Specialization in Computer Science must take Computer Science 340a/b to satisfy this requirement, unless that course has been counted already toward the Major or Specialization.

NOTE: Students in the Major in Computer Science must include Mathematics 223b among the courses counted toward the Major.

Background:

Producing a high quality game is a surprisingly difficult and challenging process. To quote Andre LaMothe, CEO of Xtreme Games LLC: "Game programming is without a doubt the most intellectually-challenging field of Computer Science in the world." While one could dispute his intentions behind making such a statement (he makes a good living from editing game development books), he is correct that building a good game is a very difficult task, especially when one considers the variety of technologies and computing and scientific principles needed to produce a game. Game development requires not only the best practices in software engineering, but also the latest technology and computing principles available from the fields of computer graphics, artificial intelligence, networking, operating systems, computer animation, etc. Furthermore, game

development must take into consideration the vast bodies of knowledge available from physics, anatomy, language studies, psychology, sociology and many other disciplines to produce a realistic and satisfying experience. Blending all of these diverse elements together into a piece of software that is on time and within budget constraints is an incredibly challenging task.

The main objective of the proposed Minor in Game Development is to educate students about the theoretical and practical aspects of game development and provide them with the experience of integrating the different aspects of game development.

Two of the new courses being introduced for this module (Computer Science 482a/b and 483a/b) have been offered as selected topics courses in recent terms. They have proven popular, and the Department is confident that the proposed module will attract considerable student interest.

For information, the following courses have been submitted to DAP for approval with an effective date of September 1, 2006:

Computer Science 480y: Game Development Project

Industrial-style development issues related to the creation of games of commercial scale and quality, both for entertainment and serious game applications; in a group project, students will examine concepts, theories, tools, technologies, and techniques for code and content generation for modern games.

Antirequisite(s): Computer Science 380F/G/Z, 460Z, 470y, 490Z, the former Computer Science 380a/b/y, 490y

Prerequisite(s): Registration in the Minor in Game Development

Corequisite(s): Computer Science 482a/b, 483a/b

2 lecture hours, 0.5 course

Computer Science 482a/b: Game Engine Development

Core concepts and techniques of real-time rendering and physical simulation as applied to the development of interactive game and simulation software. Topics from: real-time programming, indoor and outdoor rendering algorithms, character animation, vertex and pixel shaders, shading models, real-time shadows, procedural methods, simulation of classical mechanics, numerical integration, threaded programming.

Antirequisite(s): Computer Science 438a if taken in 2005-06

Prerequisite(s): Computer Science 305a/b, 307a/b, 340a/b, 388a/b

3 lecture hours, 0.5 course

Computer Science 483a/b: Game Design

Concepts and issues that arise in the development of games for entertainment and serious game applications, focusing on providing players with more engaging, immersive, and rewarding gameplay experiences. Group project normally required.

Antirequisite(s): Computer Science 437b if taken between 2002-03 and 2005-06

Prerequisite(s): Computer Science 307a/b

3 lecture hours, 0.5 course

4. **Faculty of Social Science: Minor in Refugee and Migrant Studies**

Recommended: That effective September 1, 2006, an interdisciplinary Minor in Refugee and Migrant Studies be introduced in the Department of Anthropology by the Faculty of Social Science.

NEW CALENDAR COPY

MINOR IN REFUGEE AND MIGRANT STUDIES

Admission Requirements

Completion of first-year requirements, including any of Anthropology 025F/G, Geography 021, 022F/G, 024F/G, International and Comparative Studies 021F/G, 022F/G, 023F/G, Political Science 020E, or Sociology 020, 021E. If not already completed from the courses listed above, at least a 0.5 first-year Arts and Humanities or Social Science essay course is also required.

Module

4.0 courses:

1.5 courses from: Anthropology 282F/G, 283F/G, 305F/G, 349F/G, International and Comparative Studies 254F/G

1.5 courses from: Anthropology 203F/G, 211F/G, 212F/G, 216F/G, 218F/G, 219F/G, 281F/G, 306F/G, English 302F/G, First Nations Studies 216F/G, 218F/G, 230F/G, 306F/G

1.0 course from: First Nations Studies 402F/G, Geography 148a/b, 335F/G, 360F/G, History 146F/G, Political Science 388E, Sociology 103F/G, 104F/G, 143

Note: Some courses are offered only in alternate years. Students are advised to consult the Department when planning their module.

Background:

The Department of Anthropology wants to accommodate perceived student interest in refugee and immigration issues by introducing a Minor in Refugee and Migrant Studies. This multi-disciplinary Minor module enhances student choice and takes advantage of faculty expertise in the Department of Anthropology and at Huron University College; additional courses in different units offer significant coverage on issues such as refugees, migration, displacement, diaspora and other forms of human mobility. Anthropology is an appropriate department to host such a Minor in view of its role in promoting intercultural understanding abroad and at home.

For information, the following course has been submitted to DAP for approval with an effective date of September 1, 2006:

Anthropology 283F/G: Refugees and the Displaced: An Anthropological Approach to Forced Migration
This course examines populations forcibly uprooted from their original habitats due to armed conflict, famine, environmental disasters and 'development.' It emphasizes the need to examine displacement in specific contexts. Topics include: the impact of displacement on society and culture, 'home' and exile, humanitarian aid, resistance and resilience in host-countries.
Prerequisite(s): Any 1.0 or 0.5 Social Science essay course and registration in any module in the Faculty of Social Science
3 lecture hours, 0.5 course

5. **Faculty of Law: Admission Requirements - General Category**

Recommended: That the minimum LSAT requirements for applicants in the General category be changed from 152 (55th percentile) to 155 (65th percentile) in the Faculty of Law.

REVISED CALENDAR COPY
(Page 111 of the 2006 Academic Calendar)

ADMISSION REQUIREMENTS

General Category

~~We n~~Normally, require at least a three-year undergraduate degree is required, although the majority of admitted students will have a four-year or an honors degree. A competitive candidate will have an A- (80%-84%) average (GPA 3.7) for the last two full years of undergraduate study and an LSAT score above 159 (80th percentile).

No applicant in the General category with an overall undergraduate average of less than B (75% - GPA 3.0) or an LSAT score below ~~152 (55th percentile)~~ 155 (65th percentile) will be considered for admission. A candidate who meets the minimum criteria is not guaranteed admission.

Background:

Over the last three years, only one or two candidates in the General category have been admitted with less than a 154 LSAT score. The increase in the minimum LSAT will create a more realistic expectation of consideration for admission from applicants and also increase the efficiency of the application review process.

FOR INFORMATION

6. **New Scholarships, Awards and Bursaries**

SCAPA has approved on behalf of the Senate the Terms of Reference for the following new scholarships, awards and bursaries, for recommendation to the Board of Governors through the Vice-Chancellor:

The Third Year in Nice Study Abroad Award (Any Undergraduate Student)

Awarded in September to full-time undergraduate students (from all Faculties in the Constituent University) who are participating in the Canadian Third Year in Nice Program during the year they receive the award and who have maintained an average of at least 70% in the previous year. This award was established in the Faculty of Arts and Humanities through a University initiative to promote internationalization of the curriculum and of the student experience at Western.

Value: Up to 15 at \$5000

Effective: May 2006

Accolade Consulting Group Inc. Award (Faculty of Engineering, Chemical and Biochemical Engineering)
Awarded to a full-time fourth-year student, graduating from the Department of Chemical and Biochemical Engineering, who has achieved a minimum 80% average in his/her design report in CBE 497 (Chemical Process and Plant Design) and has demonstrated outstanding oral and written communication skills in his/her fourth-year capstone design presentation. The recipient should also exhibit leadership qualities through involvement in extracurricular activities. The Department of Chemical and Biochemical Engineering will select the recipient. Applications can be obtained from the Faculty of Engineering and must be submitted along with a short statement (maximum 250 words) by April 30. This award is made possible by a gift from the Accolade Consulting Group Inc.

Value: \$1,000
Effective: May 2006 to April 2015

Phillip Nakahara MacLachlan Memorial Award (Faculty of Engineering, Chemical and Biochemical Engineering)

Awarded to a full-time undergraduate student in the fourth year of Chemical and Biochemical Engineering, based on academic achievement (minimum 75% average). Candidates also must have demonstrated their involvement with volunteer work at the University (such as student orientation) and/or the community, and must submit with their application a one-page statement which describes their volunteer efforts and how their efforts have benefitted others. The recipient will be selected by a committee within the Department of Chemical and Biochemical Engineering. This award was established by the parents, family and friends of Phillip Nakahara MacLachlan, through Foundation Western. Phil is remembered by those who knew and loved him for his passion for life, his commitment to excellence and his involvement with Western, particularly the student orientation week program, intramural sports and the Western Varsity Water Polo Team.

Value: \$1,000
Effective: May 2006

Patrick and Marley Carroll Family Scholarship (Faculty of Social Science)

Awarded to a full-time student entering first year in the Faculty of Social Science based on academic achievement (minimum 80% academic average) and financial need. Preference will be given to a student who requires financial assistance, but does not qualify for Government Student Loans. Candidates must complete an admission bursary application form, which is available online through the Office of the Registrar's Web site. The student may continue to receive this scholarship up to his/her fourth year provided that he/she maintains full-time status in a program offered by the Faculty of Social Science and an academic average of 80%, and continues to demonstrate financial need annually. If the student does not qualify to receive the scholarship in any given year, a new recipient will be selected. Only one student may hold this scholarship in any given year. This scholarship was established by The Carroll Family through Foundation Western.

Value: 1 at \$1,000, continuing for one student up to four years
Effective: May 2006

Distance Clinical Placement Bursary in Occupational Therapy (Faculty of Graduate Studies, Occupational Therapy)

Awarded to a full-time graduate student in the Occupational Therapy program who is participating in a clinical placement, based on financial need. Applicants must demonstrate that they have to pay for accommodation in a Canadian placement location for the period of their clinical/fieldwork course in addition to the cost incurred in maintaining their university-location housing. Applications are available from the Occupational Therapy program office and must be submitted by September 30. The Occupational Therapy program will select the recipient and at least one member of the selection committee must hold membership in the Faculty of Graduate Studies. Endowment established by Miss M. Virginia Harris.

Value: 1 at \$400
Effective: May 2006

Distance Clinical Placement Bursary in Physical Therapy for First Year (Faculty of Graduate Studies, Physical Therapy)

Awarded to a full-time graduate student in first year of the Physical Therapy program who is participating in a clinical placement, based on financial need. Applicants must demonstrate that they have to pay for accommodation in a Canadian placement location for the period of their clinical/fieldwork course in addition to the cost incurred in maintaining their university-location housing. Applications are available from the

Physical Therapy program office and must be submitted by April 28. The Physical Therapy program will select the recipient and at least one member of the selection committee must hold membership in the Faculty of Graduate Studies. Endowment established by Miss M. Virginia Harris.

Value: 1 at \$200
Effective: May 2006

Distance Clinical Placement Bursary in Physical Therapy for Second Year (Faculty of Graduate Studies, Physical Therapy)

Awarded to a full-time graduate student in second year of the Physical Therapy program who is participating in a clinical placement, based on financial need. Applicants must demonstrate that they have to pay for accommodation in a Canadian placement location for the period of their clinical/fieldwork course in addition to the cost incurred in maintaining their university-location housing. Applications are available from the Physical Therapy program office and must be submitted by January 31. The Physical Therapy program will select the recipient and at least one member of the selection committee must hold membership in the Faculty of Graduate Studies. Endowment established by Miss M. Virginia Harris.

Value: 1 at \$200
Effective: May 2006

Peter and Iris Clements Scholarship (Don Wright Faculty of Music)

Awarded annually to a full-time undergraduate student who is enrolled in or graduating from the Bachelor of Music with Honors in Theory and Composition, based on academic achievement (minimum 80% average). A committee from the Department of Theory and Composition in the Don Wright Faculty of Music will select the recipient. This scholarship is made possible by Peter and Iris Clements.

Value: 1 at \$2,000
Effective: 2007-2008 to 2016-2017

7. Consideration for Admission of Candidates from Accredited Degree-Granting Institutions

The following statement will be added to the calendar for first and second-entry undergraduate programs. The purpose of the statement is to allow the University to consider candidates who come from degree-granting institutions where the issue of accreditation/recognition might be less than clear for various reasons. The statement gives Western the ability to consider such candidates for admission on an individual basis if their educational background is considered equivalent to that which we offer at Western and to the requirements of the program to which they are applying. It does not, however, guarantee admission which is always granted on a competitive basis.

Candidates with acceptable standing at accredited degree-granting institutions may be considered for admission provided that the content of studies completed is equivalent in content to the courses offered by Western, and to the requirements of the program to which the student has applied. The University will review other candidates on an individual basis. Admission in all cases is competitive.