



Lakehead University
Faculty of Science and Environmental Studies

REQUEST REPORT

Request Tracking Number: 2013-SCI-2995
Request Title: HSc Biol/Chem Major

[DeAcTerm[EffectiveDate]] [DeAc[RequestEffectiveDate]]
Request Status: In Workflow
Request can't be split

Request Contents

Type	Title
1. New Version of a Degree	Honours BSc (Biology and Chemistry Majors)

Request History

Workflow Step	Workflow Action	User	Change Made	Comments	Date
Initiator	Approved	Christine Gottardo	Yes	Submitted to workflow	12/31/2013
Dean and Faculty Council Review Stage	Approved	Christina Maenpaa	Yes	Approved at the January 9 Faculty Council meeting. Approved by Dr. Dean.	01/20/2014

Supporting Documents

File Name	Uploaded By	Upload Date	Size
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Supporting Documents Audit Trail

File Name	User	Date	Action
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Notes

Date	User	Note
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1.	New Version of a Degree	HBSC.BIOLCHEM - Honours BSc (Biology and Chemistry Majors)
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Justification

We are introducing a new first year chemistry course for Chemistry/Biology majors and would like the program to reflect the new course.

Degree Details

CURRENT VERSION	PROPOSED VERSION
HBSC.BIOLCHEM - Honours BSc (Biology and Chemistry Majors) Start Term: Fall 2008 End Term: No Specified End Date	HBSC.BIOLCHEM - Honours BSc (Biology and Chemistry Majors) Start Term: Fall 2008 2014 End Term: No Specified End Date

<i>Required Information</i>	
CURRENT VERSION	PROPOSED VERSION
Institution Unit Faculty of Science and Environmental Studies	Institution Unit Faculty of Science and Environmental Studies
Degree Type HBSC	Degree Type HBSC
Major BICH	Major BICH
Minor	Minor
Specialization	Specialization
Rationale Omitted in 2012-SCI-417. Split PHYS 1101 into two half-courses should also be changed in all Chemistry programs.	Rationale Omitted in 2012-SCI-417. Split PHYS 1101 into two half-courses should also be changed in all Chemistry programs. <i>Change to the first year CHEM courses reflecting the new required courses specific to BIOL/CHEM majors</i>
Requirements Four Year program First Year: (a) Biology 1110, 1130 (b) Chemistry 1110, 1130 (c) One FCE in humanities or social sciences, excluding Mathematics and Computer Science (see the list of Group I and Group II subjects) (d) Mathematics 1171 and 1172 (e) Physics 1211 and 1212 Second Year:	Requirements Four Year program First Year: (a) Biology 1110, 1130 (b) Chemistry 1110 1111, 1130 1131 (c) One FCE in humanities or social sciences, excluding Mathematics and Computer Science (see the list of Group I and Group II subjects) (d) Mathematics 1171 and 1172 (e) Physics 1211 and 1212

<p>(a) Biology 2171, 2210 and 2230 (b) A half-course elective in Biology (c) Chemistry 2211, 2231, 2351, 2411 (d) Mathematics 2111 (e) One half-course elective</p> <p>Third Year: (a) Biology 3671 (b) One FCE elective in Biology (c) Biology 3252/Chemistry 3251 and Biology 3272/Chemistry 3271 (d) Chemistry 2111, 2412 (e) A half-course in Chemistry (see note 2 below) (f) Mathematics 2310 and 2311</p> <p>Fourth Year: (a) One FCE in Biology (b) Two FCE electives in either Biology or Chemistry (see note 3) (c) One FCE in Chemistry (see note 2) (d) One FCE elective</p> <p>Notes: 1. The 1.5 FCE electives in Chemistry in the third and fourth years must be taken from the following list: Chemistry 3131, 3231, 3371, 3451 and 3711. 2. It is strongly recommended that the 2.0 FCEs in Fourth Year in either Chemistry or Biology include a research thesis if the student is considering graduate school. Students must have arranged for a faculty supervisor by the end of their third year if they wish to enroll in thesis courses (Biology 4101 or Chemistry 4111, 4901). 3. An overall average of at least 70% must be maintained through the degree. Should the B average not be attained, the student may apply for the BSc (Biology and Chemistry) Four Year degree. 4. A maximum of 2.0 FCEs in project-based courses (Biology 3990, 3991, 4101, and Chemistry 4111, 4901) is allowed.</p>	<p>Second Year: (a) Biology 2171, 2210 and 2230 (b) A half-course elective in Biology (c) Chemistry 2211, 2231, 2351, 2411 (d) Mathematics 2111 (e) One half-course elective</p> <p>Third Year: (a) Biology 3671 (b) One FCE elective in Biology (c) Biology 3252/Chemistry 3251 and Biology 3272/Chemistry 3271 (d) Chemistry 2111, 2412 (e) A half-course in Chemistry (see note 2 below) (f) Mathematics 2310 and 2311</p> <p>Fourth Year: (a) One FCE in Biology (b) Two FCE electives in either Biology or Chemistry (see note 3) (c) One FCE in Chemistry (see note 2) (d) One FCE elective</p> <p>Notes: 1. The 1.5 FCE electives in Chemistry in the third and fourth years must be taken from the following list: Chemistry 3131, 3231, 3371, 3451 and 3711. 2. It is strongly recommended that the 2.0 FCEs in Fourth Year in either Chemistry or Biology include a research thesis if the student is considering graduate school. Students must have arranged for a faculty supervisor by the end of their third year if they wish to enroll in thesis courses (Biology 4101 or Chemistry 4111, 4901). 3. An overall average of at least 70% must be maintained through the degree. Should the B average not be attained, the student may apply for the BSc (Biology and Chemistry) Four Year degree. 4. A maximum of 2.0 FCEs in project-based courses (Biology 3990, 3991, 4101, and Chemistry 4111, 4901) is allowed.</p>
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<u>Budgetary Considerations</u>	
CURRENT VERSION	PROPOSED VERSION
Student Enrolment	Student Enrolment <i>approximately 25 per year</i>
Student Enrolment Other Units	Student Enrolment Other Units <i>This is not relevant</i>
Additional Resources	Additional Resources <i>No additional resources will be requested other than increased teaching loads</i>
Teaching Loads	Teaching Loads <i>Teaching loads will be increased as per decanal request.</i>

TeachingSupport Services	TeachingSupport Services <i>There are no required teaching support services.</i>
Outside Support	Outside Support <i>There is no outside support being requested.</i>