



**Lakehead University**  
**Faculty of Science and Environmental Studies**

**REQUEST REPORT**

**Request Tracking Number:** 2013-SCI-2994  
**Request Title:** HBSc Chemistry 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 (Chemistry Major)

**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 9th Faculty Council. Approved by Andrew 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.CHEM - Honours BSc (Chemistry Major)
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### Justification

We are introducing new versions of CHEM 1110 and CHEM 1130 specific for chemistry majors and need to replace the courses at the first year level.

### Degree Details

CURRENT VERSION	PROPOSED VERSION
HBSC.CHEM - Honours BSc (Chemistry Major) <b>Start Term:</b> Fall 1999 <b>End Term:</b> No Specified End Date	HBSC.CHEM - Honours BSc (Chemistry Major) <b>Start Term:</b> Fall <del>1999</del> 2014 <b>End Term:</b> No Specified End Date

### Required Information

CURRENT VERSION	PROPOSED VERSION
<b>Institution Unit</b> Faculty of Science and Environmental Studies	<b>Institution Unit</b> Faculty of Science and Environmental Studies
<b>Degree Type</b> HBSC	<b>Degree Type</b> HBSC
<b>Major</b> CHEM	<b>Major</b> CHEM
<b>Minor</b>	<b>Minor</b>
<b>Specialization</b>	<b>Specialization</b>
<b>Rationale</b> Omitted in 2012-SCI-417. Split PHYS 1101 into two half-courses should also be changed in all Chemistry programs.	<b>Rationale</b> <del>Omitted in 2012-SCI-417. Split PHYS 1101 into two half-courses should also be changed in all Chemistry programs</del> Change to first year CHEM courses reflecting the new required courses specific to majors.
<b>Requirements</b>  Four Year program  <b>First Year:</b> (a) Chemistry 1110, 1130 (b) Mathematics 1171 and 1172 (c) Physics 1211 and 1212 (d) One FCE elective from: Anthropology 1032, Biology 1110, 1130, Computer Science 1411, 1431, Geology 1110, 1130 (e) One FCE elective in humanities or social sciences, excluding Mathematics and Computer Science (see the list of Group I and Group II subjects)  <b>Second Year:</b>	<b>Requirements</b>  Four Year program  <b>First Year:</b> (a) Chemistry <del>1110</del> 1111, <del>1130</del> 1131 (b) Mathematics 1171 and 1172 (c) Physics 1211 and 1212 (d) One FCE elective from: Anthropology 1032, Biology 1110, 1130, Computer Science 1411, 1431, Geology 1110, 1130 (e) One FCE elective in humanities or social sciences, excluding Mathematics and Computer Science (see the list of Group I and Group II subjects)

<p>(a) Chemistry 2111, 2211, 2231, 2351, 2411, 2412  (b) Mathematics 2111  (c) A half-course elective at the second year level in Physics or Mathematics (excluding 2111) or Computer Science  (d) One FCE elective</p> <p><b>Third Year:</b>  (a) Chemistry 3131, 3231, 3251, 3371, 3451  (b) A half-course FCE in Chemistry  (c) Two FCE electives</p> <p><b>Fourth Year:</b>  (a) Chemistry 4111, 4901  (b) Two FCEs chosen from: Chemistry 3271, 3431, 3711, 4011, 4131, 4191, 4211, 4311, 4411, 4551, 4571, 4710  (c) One and one-half FCE electives</p> <p><b>Notes:</b>  1. In Fourth year (b) above, not all these courses may be offered in any particular year.  2. In order to remain in the program, students must maintain at least an overall B average in the Chemistry courses taken in the program. Students should refer to the Faculty of Sciences and Environmental Studies Faculty Regulations.  3. Students must have arranged for a faculty supervisor for Chemistry 4111 and 4901 before the start of Fourth Year.</p>	<p><b>Second Year:</b>  (a) Chemistry 2111, 2211, 2231, 2351, 2411, 2412  (b) Mathematics 2111  (c) A half-course elective at the second year level in Physics or Mathematics (excluding 2111) or Computer Science  (d) One FCE elective</p> <p><b>Third Year:</b>  (a) Chemistry 3131, 3231, 3251, 3371, 3451  (b) A half-course FCE in Chemistry  (c) Two FCE electives</p> <p><b>Fourth Year:</b>  (a) Chemistry 4111, 4901  (b) Two FCEs chosen from: Chemistry 3271, 3431, 3711, 4011, 4131, 4191, 4211, 4311, 4411, 4551, 4571, 4710  (c) One and one-half FCE electives</p> <p><b>Notes:</b>  1. In Fourth year (b) above, not all these courses may be offered in any particular year.  2. In order to remain in the program, students must maintain at least an overall B average in the Chemistry courses taken in the program. Students should refer to the Faculty of Sciences and Environmental Studies Faculty Regulations.  3. Students must have arranged for a faculty supervisor for Chemistry 4111 and 4901 before the start of Fourth Year.</p>
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<b><u>Budgetary Considerations</u></b>	
<b>CURRENT VERSION</b>	<b>PROPOSED VERSION</b>
<b>Student Enrolment</b>	<b>Student Enrolment</b> <i>There are approximately 20 students per year.</i>
<b>Student Enrolment Other Units</b>	<b>Student Enrolment Other Units</b> <i>N/A</i>
<b>Additional Resources</b>	<b>Additional Resources</b> <i>We do not need additional resources other than the increased teaching loads.</i>
<b>Teaching Loads</b>	<b>Teaching Loads</b> <i>Increased teaching loads as per decanal direction.</i>
<b>TeachingSupport Services</b>	<b>TeachingSupport Services</b> <i>There are no additional teaching support services required.</i>
<b>Outside Support</b>	<b>Outside Support</b> <i>There is no request for outside support.</i>