



LAKEHEAD UNIVERSITY
FACULTY OF NATURAL RESOURCES MANAGEMENT
NATURAL RESOURCES MANAGEMENT
CHANGE REQUEST REPORT

Change Request Tracking Number: 2022-NAT-8168

Title of Change Request: HBEM change to HBScEM

Status of Change Request: In Workflow

Change Request can be split

CHANGE REQUEST CONTENTS

#	Type	Title
1.	New Version of a Degree	Honours Bachelor of Science in Environmental Management
2.	New Version of a Degree	Honours Bachelor of Science in Environmental Management – Transfer

CHANGE REQUEST HISTORY

Workflow Stage	Action Type	Action Taken By	Change Made	Action Rationale	Date
Initiator	Approved	Jennifer Bain Manion	Yes	Submitted to workflow	11/30/2022, 03:37 PM
Submission Review (Deputy Provost)	Relegated	Deputy Provost	No	Relegated at initiators request	12/01/2022, 01:56 PM
Initiator	Approved	Jennifer Bain Manion	Yes	Updated Major Mod template and re-attached. Pls move forward. Thx	12/01/2022, 02:34 PM
Submission Review (Deputy Provost)	Relegated	Deputy Provost	No	Submission relegated so that updates to the CN form (e.g. Pedagogical Rationale) can be made, and revised proposal brief uploaded.	12/07/2022, 12:32 PM
Initiator	Approved	Jennifer Bain Manion	Yes	Updated Major Mod summary attached (Dec. 20, 2022 doc) as requested. Ok to move forward. Thank you!	12/20/2022, 04:03 PM

Submission Review (Deputy Provost)	Approved	Deputy Provost	No	In correct workflow	01/09/2023, 10:18 AM
Advisory Panel Review	Relegated	Deputy Provost	No	The Advisory panel met and reviewed the submission on Jan 16. To provide clarity for students and make advising simplified, the calendar entry that distinguishes the student option of thesis or courses should be reworded. For example: (c) Natural Resources Management 4111,4217 or 4010, 4030	01/16/2023, 03:27 PM
Initiator	Approved	Jennifer Bain Manion	Yes	Amended as requested; please move forward Thx	01/19/2023, 09:15 AM
Submission Review (Deputy Provost)	Approved	Deputy Provost	No	In correct workflow	01/31/2023, 02:57 PM
Advisory Panel Review	Approved	Deputy Provost	No	Advisory Panel suggestions have been addressed. Submission is ready for review.	01/31/2023, 02:57 PM
Dean and Faculty Council Review Stage	Approved	Jennifer Bain Manion	No	Please move forward. Thank you!	02/07/2023, 12:08 PM

SUPPORTING DOCUMENTS

File Name	Uploaded By	Upload Date	Size
HBEM_Maj Mod Proposal Brief template-2022- NAT-8168_v4- Dec20-2022.docx	Jennifer Bain Manion	12/20/2022, 04:02 PM	92.9 KB

SUPPORTING DOCUMENTS AUDIT TRAIL

File Name	User	Date	Action
HBEM_Maj Mod Proposal Brief template_v2-2022- NAT-8168.docx	Jennifer Bain Manion	12/01/2022, 02:30 PM	Uploaded
HBEM_Maj Mod Proposal Brief template_v2-2022- NAT-8168.docx	Deputy Provost	01/16/2023, 02:47 PM	Deleted
HBEM_Maj Mod Proposal Brief template-2022- NAT-8168_v4- Dec20-2022.docx	Jennifer Bain Manion	12/20/2022, 04:02 PM	Uploaded
Maj Mod Proposal Brief template for HBScEM-2022- NAT-8168.docx	Jennifer Bain Manion	11/30/2022, 03:36 PM	Uploaded

Maj Mod Proposal Brief template for HBScEM-2022- NAT-8168.docx	Jennifer Bain Manion	12/01/2022, 02:30 PM	Deleted
--	----------------------	----------------------	---------

CHANGE REQUEST COMMENTS

Date	User	Change Request Comment
11/30/2022, 03:28 PM	Jennifer Bain Manion	Program name change from HBEM to HBScEM & update b/c of course edits.

1.	New Version of a Degree	Honours Bachelor of Science in Environmental Management
----	-------------------------	--

Justification

Program name change from HBEM to HBScEM & update b/c of course edits.

DEGREE DETAILS**MAJOR MODIFICATION TO A PROGRAM FORM.**

NOTE TO USER about Quality Assurance requirements:

Visit this link to learn about the proposal requirements and the process for review and approval for Major Modifications to Programs.

Select the type of major
modification you are
making:

- Degree/Major

The following is information that is displayed in the University Calendar

Title of Program: Honours Bachelor of Science in Environmental Management

Program Requirements:

Four Year program

All students will take the common first and second years, then continue in one of the three specializations for the third and fourth years.

First Year:

- (a) Natural Resources Management ~~0190 (non-credit required course)~~
(b) Natural Resources Management 1010, 1071, 1094, 1110, 1330
(c) Biology 1050, 1051
(d) Chemistry 1050 or 1110
(e) Economics 2014
(f) English 1015
(g) Geography 1170
(h) Geology 1131

Non-Academic requirement:

Natural Resources Management 0990 – First Aid Certificate (Standard First Aid, 2-day course recommended)

Second Year:

- (a) Natural Resources Management ~~0290 (non-credit required course)~~
(b) Natural Resources Management 2094
(c) Natural Resources Management 2013, 2030, 2054, 2055, 2110, 2150, 2210, 2270, 2350

(dc) Biology ~~2050~~, 2210

* **NOTE:** Indigenous Content Requirement is met by taking NRMT-2054

(a) Specialization in Wildlife Conservation and Management

Third Year:

(a) Natural Resources Management ~~0390 (non-credit required course)~~(3094

(b) Natural Resources Management ~~3094(c) Natural Resources Management 2050~~3050, 3051, 3116, 3218

(dc) Natural Resources Management ~~3212 or 4217(e) Natural Resources Management 3219~~ or Biology 3151

(fd) Geography 2251

(ge) Two half-course restricted electives (see Note 1 below)

(hf) One half-course open elective (~~see Note 2 below~~)

~~*In addition, Transfer students to take NRMT-2013 – Population Ecology~~

~~Fourth Year~~in Humanities

Fourth Year:

(a) Natural Resources Management 4094

(b) Natural Resources Management 4212, 4213, 4214, 4250, 4251

(c) Natural Resources Management ~~4010, 4030~~(4111 and 4217 or Natural Resources Management 4010 and 4030 (see Note 1 below)

(d) ~~One half-course~~ FCE restricted elective (see Note 1–2 below)

(e) One half FCE open electives (see Note 2–3 below)

Note 1:

Only students with an average of 70% or higher may complete a senior thesis (NRMT-4010 and 4030)

Note 2:

The following courses count as restricted electives: Biology 3219, 3671, ~~4211, 4231~~ and 4435, NRMT-4211, and Outdoor Recreation 2755;

Note 23:

It is recommended that students in the Wildlife Conservation and Management Specialization choose open electives from: Biology 3250, 3251, 4111; Natural Resources Management 3217; Psychology 3511.

(b) Specialization in Conservation Planning and Management

Third Year:

(a) Natural Resources Management ~~0390 (non-credit required course)~~(3094

(b) Natural Resources Management ~~3094(c) Natural Resources Management 3051, 3135, 3212, 4217~~

(dc) Biology 3151, 4430

(ed) Geography 2251, 2331

(fe) One FCE open elective(s)

~~*In addition, Transfer students to take NRMT-2013 – Population Ecology~~

Fourth Year:

- (a) Natural Resources Management 4094
- (b) Natural Resources Management 4212, 4213, 4214, 4250
- (c) Natural Resources Management ~~4010, 4030~~(4111 and 4217 or Natural Resources Management 4010 and 4030 (see Note 1 below)
- (d) One of: Geography 2351, 4411 or 4431
- (e) Political Science 3711, or 3713 or 2110 or a selected Political Science course with Program Chair approval
- (f) One and one-half (1.5) FCE open elective(s) at the third or fourth year level

Note 1:

Only students with and average of 70% or higher may complete a senior thesis (NRMT-4010 and 4030)

(c) Sustainable Land Use

Third Year:

- (a) Natural Resources Management ~~0390 (non-credit required course)~~(3094
- (b) Natural Resources Management ~~3094~~(c) Natural Resources Management ~~3051, 3251~~
- (dc) Outdoor Recreation 2755
- (ed) Political Science 3711, or 3713 or 2110 or a selected Political Science course with Program Chair approval
- (e) Three FCE electives (see Note 2 below)

~~*In addition, Transfer students to take NRMT-2013 – Population Ecology~~

Fourth Year:

- (a) Natural Resources Management 4094
- (b) Natural Resources Management 4212, 4213, 4214, 4250
- (c) Natural Resources Management ~~4010, 4030~~(4111 and 4217 or Natural Resources Management 4010 and 4030 (see Note 1 below)
- (d) Two (2.0) FCE electives (see Note 2 below)

Note 1:

Only students with and average of 70% or higher may complete a senior thesis (NRMT-4010 and 4030)

Note 2:

Students in the Sustainable Land Use Option must choose their 5.5 FCE electives in third and fourth years as follows:

- (a) One FCE at the second year level or higher in Arts
- (b) Three FCEs at the second year level or higher in Natural Resources Management or Science; however, Natural Resources

Management courses must be selected from those required courses within other specializations
(c) One and one-half FCE open electives at the third or fourth year level

The following is information for Committee Review

Program Code: HBEM

Calendar Start Term. When this change should be displayed in the Calendar: 20222023-2324

Calendar End Term. When is the last calendar year this should be displayed?: No Specified End Date

Faculty or Institution Unit:

- Lakehead University
- Faculty of Natural Resources Management
- Natural Resources Management

Academic Level: Undergraduate

Total number of credits for the degree: 22.00

Transcript Title of Program: ~~Hons-Bach-Environ-Mgmt~~Honours Bachelor of Science in Environmental Management

Degree Type: HBEM

This major modification may require a proposal brief. See link above for more information. If applicable, indicate if your proposal brief is attached:

- Yes

Pedagogical rationale for this proposal. Why are you submitting this request?: NRMT-2013 Intro Population Ecology to replace PHIL-2013 to increase programming relevance for HBEM students and it will give students in both programs exposure to quantitative approaches that are complementary to NRMT-3116 - Fish & Wildlife fundamentals (a required course for HBEM)2018-updating and clarifying info to reflect this year's calendar changes2021-updatigt to reflect BIOL-1110/1130 changing to BIOL-1050/10512022 - updating full program with name change (adding Science) course updates/re-numbering, program requirement updates (Thesis); replacing WAC with ENGL

Associated Changes - List all other requests that are associate with this change (enter request number or title): Same change for HBSf program as they share common first two years.2018-updating and clarifying program info and including this year's calendar changes2018-NAT-6839 (3051 formerly 2051)2018-NAT-6860 (3170 formerly 2170)2018-NAT-6841 (4131 formerly 3131)2021-updating to reflect BIOL-1110/1130 changing to BIOL-1050/1051 (2021-SCI-7647)2022-2022-NAT-8129, 8132, 8133, 8134, 8135, 8147,8159, 8158, 8157, 8161

The following is information for Senate Budget Committee Consideration

NOTE: Complete each section and provide full explanations for both "yes" and "no" answers. This will not be displayed in the calendar but will be used by the Senate Budget Committee when considering approval of this proposal. The

creator of this proposal may be asked to attend a committee meeting to discuss this proposal. Contact the Chair of the Senate Budget Committee if you wish to discuss any of the questions below.

Will this program impact student enrolment in another program within the same faculty/unit?:

No

Will this program impact student enrolment in another program in a different faculty/unit?:

no

Will additional resources be required (space, staff, equipment, etc.)?:

N/A

How will this impact existing teaching loads within this faculty/unit?:

N/A

What is the impact on the demand for teaching support services (library, computers, staff, etc.)?:

None

Will this require outside support? If yes, please outline the amount and timing of the funding:

No

2.	New Version of a Degree	Honours Bachelor of Science in Environmental Management – Transfer
----	-------------------------	--

Justification

Program name change from HBEM to HBScEM & update b/c of course edits/name change

DEGREE DETAILS

MAJOR MODIFICATION TO A PROGRAM FORM.

NOTE TO USER about Quality Assurance requirements:

Visit this link to learn about the proposal requirements and the process for review and approval for Major Modifications to Programs.

Select the type of major modification you are making:

- Degree/Major

The following is information that is displayed in the University Calendar

Title of Program: Honours Bachelor of Science in Environmental Management – Transfer

Program Requirements:

Applicants with a diploma (Technician or Technologist) in a directly allied discipline (e.g. Forestry, Ecosystem Management, Fish and Wildlife, Ecosystem Restoration) and a

70% average (GPA = 3.0 on a 4.0 point scale, 70% Grade), may, following an individual assessment, be eligible for admission to the third year of the Honours Bachelor of Science in Forestry or Honours Bachelor of Science in Environmental Management. In order to enter the third year, applicants must successfully complete a Transition Program that starts on the first working day in August and runs for four weeks (Monday through Friday). All students are required to take three courses (Natural Resources Management 2710, Natural Resources Management 2711, and Natural Resources Management 2712 – Natural Resource Science A, B and C).

Applicants with a diploma (Technician or Technologist) in a discipline such as Environmental Technology and a 70% average (GPA = 3.0 on a 4.0 point scale, 70% Grade), may, following an individual assessment, be eligible for admission to the third year of the Honours Bachelor of Science in Forestry or the Honours Bachelor of Science in Environmental Management. In order to enter the third year, applicants must successfully complete the Transition Program that runs for four weeks (Monday through Friday), prior to Fieldschool (**dates will vary depending on start of Academic year, please check Academic Calendar Important Dates**).

All students are required to take the following three courses as specified by the Faculty (Natural Resources Management 2710, Natural Resources Management 2711, Natural Resources Management 2713 – Natural Resource Science A, B, and D). ~~In addition, all transfer students are required to take Natural Resources Management 2013 – Population Ecology and Natural Resources Management – 2054 Indigenous Peoples and Natural Resources Management in year 3 or 4, and should review their academic plan with their Program Chair to ensure the program requirements will be met by class selection.~~

Depending on the student's background/diploma and a review by a Faculty review committee/Program Chair, additional course(s) in specific areas may be assigned. Students must consult with their Program Chair within the first term to review graduation requirements.

The Faculty of Natural Resources Management reserves the right to set the Transition course requirements it deems appropriate for each individual student.

Applicants with two or more years of relevant career experience acquired after the completion of a diploma with at least 65% (GPA = 2.5 on a 4.0 point scale) in the final year of their program are eligible for admission consideration.

~~Note that Natural Resources Management 0290 – Writing Across the Curriculum will be incorporated into Natural Resources Science A and B.~~

The following is information for Committee Review

Program Code: HBEM.TRF

Calendar Start Term. When this change should be displayed in the Calendar: 20202023-2124

Calendar End Term. When is the last calendar year this should be displayed?: No Specified End Date

Faculty or Institution Unit:

- Lakehead University
- Faculty of Natural Resources Management

Academic Level: Undergraduate

Total number of credits for the degree:

Transcript Title of Program: HBEM Transfer

Degree Type: HBEM

This major modification may require a proposal brief. See link above for more information. If applicable, indicate if your proposal brief is attached:

Pedagogical rationale for this proposal. Why are you submitting this request?: Clarifying the requirement of taking PHIL-2013 and NRMT-2051 in the calendar to reduce student confusion. 2018-updating and clarifying info and including this year's calendar changes 2019-most college transfer student are required to take NRMT-2054 for ICR and NRMT-2013 for fundamentals required by the degree; 2022-updating Trxfr description with new name (HBScEM) and removal of WAC and content update in program to reduce overload in academic year;

Associated Changes - List all other requests that are associated with this change (enter request number or title):

The following is information for Senate Budget Committee Consideration

NOTE: Complete each section and provide full explanations for both "yes" and "no" answers. This will not be displayed in the calendar but will be used by the Senate Budget Committee when considering approval of this proposal. The creator of this proposal may be asked to attend a committee meeting to discuss this proposal. Contact the Chair of the Senate Budget Committee if you wish to discuss any of the questions below.

Will this program impact student enrolment in another program within the same faculty/unit?: No

Will this program impact student enrolment in another program in a different faculty/unit?: no

Will additional resources be required (space, staff, equipment, etc.)?: no

How will this impact existing teaching loads within this faculty/unit?: none

What is the impact on the demand for teaching support services (library, computers, staff, etc.)?: none

Will this require outside support? If yes, please outline the amount and timing of the funding: no