



<p>1.0 Degree Title Please specify the two degrees for concurrent degree programs</p> <input style="width: 100%; height: 20px;" type="text"/>	<p>2.0 Administering Faculty/Unit</p> <input style="width: 100%; height: 20px;" type="text"/>
<p>1.1 Major (Legacy= Subject)(30-char. max.)</p> <input style="width: 100%; height: 20px;" type="text"/>	<p>Offering Faculty/Department</p> <input style="width: 100%; height: 20px;" type="text"/>
<p>1.2 Concentration (Legacy = Concentration/Option) If applicable to Majors only (30 char. max.)</p> <input style="width: 100%; height: 20px;" type="text"/>	<p>3.0 Effective Term of Implementation (Ex. Sept. 2004 = 200409) Term</p> <input style="width: 100%; height: 20px;" type="text"/>
<p>1.3 Minor (with Concentration, if Applicable) (30 char. max.)</p> <input style="width: 100%; height: 20px;" type="text"/>	

4.0 Rationale for new proposal

5.0 Program Information
Please check appropriate box(es)

<p>5.1 Program Type</p> <input type="checkbox"/> Bachelor's Program <input type="checkbox"/> Master's <input type="checkbox"/> M.Sc. (Applied) Program <input type="checkbox"/> Dual Degree/Concurrent Program <input type="checkbox"/> Certificate <input type="checkbox"/> Diploma <input type="checkbox"/> Graduate Certificate <input type="checkbox"/> Graduate Diploma <input type="checkbox"/> Ph.D. Program <input type="checkbox"/> Doctorate Program (Other than Ph.D.) <input type="checkbox"/> Private Program <input type="checkbox"/> Off-Campus Program <input type="checkbox"/> Distance Education Program (By Correspondence) <input type="checkbox"/> Other (Please specify) <input style="width: 100%; height: 20px;" type="text"/>	<p>5.2 Category</p> <input type="checkbox"/> Faculty Program (FP) <input type="checkbox"/> Major <input type="checkbox"/> Joint Major <input type="checkbox"/> Major Concentration (CON) <input type="checkbox"/> Minor <input type="checkbox"/> Minor Concentration (CON) <input type="checkbox"/> Honours (HON) <input type="checkbox"/> Joint Honours Component (HC) <input type="checkbox"/> Internship/Co-op <input type="checkbox"/> Thesis (T) <input type="checkbox"/> Non-Thesis (N) <input type="checkbox"/> Other Please specify <input style="width: 100%; height: 20px;" type="text"/>	<p>5.3 Level</p> <input type="checkbox"/> Undergraduate <input type="checkbox"/> Dentistry/Law/Medicine <input type="checkbox"/> Continuing Ed (Non-Credit) <input type="checkbox"/> Collegial <input type="checkbox"/> Masters & Grad Dips & Certs <input type="checkbox"/> Doctorate <input type="checkbox"/> Post-Graduate Medicine/Dentistry <input type="checkbox"/> Graduate Qualifying <input type="checkbox"/> Postdoctoral Fellows
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6.0 Total Credits

7.0 Consultation with Related Units Yes No

Financial Consult Yes No

Attach list of consultations.

8.0 Program Description (Maximum 150 words)

9.0 List of proposed program for the New Program/Major or Minor/Concentration.

If new concentration (option) of existing Major/Minor (program), please attach a program layout (list of all courses) of existing Major/Minor.

Proposed program (list courses as follows: Subj Code/Crse Num, Title, Credit weight under the headings of: Required Courses, Complementary Courses, Elective Courses)

f) 18 additional credits of complementary courses chosen from 3 areas listed below

Students must choose at least two courses from each area, and in total complete at least 9 credits at 300 or higher level.

AREA 1: Methods: Observation, Analysis, Modelling and Management	AREA 2: Society, Economics, Policy, Ethics and Equity	AREA 3: Sustainability and Biophysical processes
<p>AGRI 435 Soil and Water Quality management (L, W) ENVR 544 Environmental measurement and modelling ESYS 500 Earth System Applications (C) GEOG 201 Introductory Geo-information Science GEOG 302 Environmental Management 1 GEOG 306 Raster GIS GEOG 308 Principles of Remote Sensing GEOG 351 Quantitative Methods GEOG 404 Environmental Management 2 GEOG 509 Qualitative Methods in Geography GEOG 523 Global Ecosystems and Climate (C, L) NRSC 437 Assessing Environmental Impact URBP 506 Environmental Policy and Planning</p>	<p><i>Take at least 1 course from each subsection below</i></p> <p>2A: Society, Economics, and Policy AGECE 200 Principles of Microeconomics OR ECON 208 Microeconomic Analysis and Applications AGECE 201 Principles of Macroeconomics OR ECON 209 Macroeconomic Analysis and Applications AGECE 430 Agriculture, Food and Resource Policy (L) AGECE 442 Intro. to Agriculture and Development (L) ANTH 206 Environment and Culture ANTH 212 Anthropology of Development (D) ANTH 339 Ecological Anthropology ECON 230 Microeconomic Theory ECON 347 Economics of Climate Change ECON 405 Natural Resource Economics ENVR 519 Global Environmental Politics GEOG 210 Global Places and Peoples GEOG 216 Geography and the World's Economy GEOG 316 Political Geography GEOG 303 Health Geography (H) GEOG 408 Geog of Development (D) GEOG 410 Geog of Underdevelopment (D) GEOG 508 Resources, People and Power HIST 292 History and the Environment MCGR 360 Social Context of Business MGPO 475 Strategies for Developing Countries MGPO 567 Business in Society NRSC 540 Socio-cultural Issues in Water (W) URBP 530 Urban Environmental Planning</p> <p>2B: Ethics and Equity ENVR 400 Environmental Thought GEOG 382 Principles of Earth Citizenship MGPO 450 Ethics in Management</p>	<p>ATOC 214 Introduction: Physics of the Atmosphere (C) ATOC 215 Oceans Weather and Climate (C) BIOL 540 OR ENVR 540: Ecology of Species Invasions (B) BIOL 308 Ecological Dynamics (B, L) BIOL 310 Large Scale Ecology (B, L) BREE 217 Hydrology and Water Resources (W) OR GEOG 322 Environmental Hydrology (W) ESYS 200 Earth System Processes (C) ESYS 300 Investigating the Earth System (C) GEOG 221 Environment and Health (H) GEOG 305 Soils and Environment GEOG 372 Running Water Environments (W) GEOG 403 Global Health and Environmental Change (H) GEOG 470 Wetlands (W) GEOG 530 Global Land and Water Resources (L, W) GEOG 555 Ecological Restoration (B) NRSC 333 Physical and Biological Aspects of Pollution ENVB 410 Ecosystem Ecology (B, L)</p>

Students who wish to explore the following topics in more depth may select courses flagged with the following symbols in parentheses:

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|--------------------------------------|---------------------|
| 1) Climate Change (C) | 4) Biodiversity (B) |
| 2) Land Resources: Food, Forests (L) | 5) Human Health (H) |
| 3) Water Resources (W) | 6) Development (D). |

10.0 Approvals

Routing Sequence	Name	Signature	Date
Department	<input type="text"/>	<input type="text"/>	<input type="text"/>
Curric/Acad Committee	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 1	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 2	<input type="text"/>	<input type="text"/>	<input type="text"/>
Faculty 3	<input type="text"/>	<input type="text"/>	<input type="text"/>
SCTP	<input type="text"/>	<input type="text"/>	<input type="text"/>
GS	<input type="text"/>	<input type="text"/>	<input type="text"/>
APPC	<input type="text"/>	<input type="text"/>	<input type="text"/>
Senate	<input type="text"/>	<input type="text"/>	<input type="text"/>

Submitted by

Name

Phone

Email

Submission Date

To be completed by ARR:

CIP Code