



Introducing

New Environmental Studies Certificates

Certificates in 'Drama and the Environment' and 'Education and the Environment' are the newest additions to our Interdisciplinary Environmental Studies program. The new certificates will contribute to the ENVS degree and will enhance the abilities of the students to work within various areas of public engagement, interpretation, education and performance within the industry. We are excited to see these new certificates offered in our program, and look forward to seeing both student and alumni participation.

For more information:

www.kingsu.ca/faculties/interdisciplinary-studies/environmental-studies



2013

EMERALD AWARDS

ENVS students, alumni and staff volunteered at the annual Emerald

Awards gala event this summer, hosted by the Alberta Emerald Foundation. Held at the Citadel, the event celebrated environmental excellence in Alberta recognizing environmental initiatives undertaken each year by corporations, individuals and not-for-profit associations whose commitment to the environment demonstrates leadership. ENVS volunteers welcomed the event nominees and visiting industry members, and were happy to support this quality event.



Alberta Emerald Foundation

www.emeraldfoundation.ca/emerald-awards

KING'S KEEPERS

members had fun organizing and participating in two geocaching events and have plans of hosting a larger King's themed or sustainability themed cache on Campus. Members are also planning a cooperative event with MASS (Micah Action Student Society). At the annual King's Green Chapel (organized by the King's Keepers), Dr. Wood spoke on the opportunities to "see" creation and respond to it as Christian stewards and King's student Will Gelderman spoke on what creation means to him.

King's Keepers is a student-run club which enhances campus awareness of environmental stewardship. This fall, King's Keepers



Geocaching symbol

2013 ENVS INTERNS return from their summer of work experience

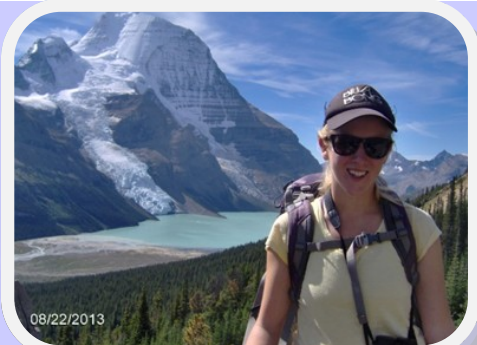
Bettina Breau ENVS/ English



Bettina worked for *Big Lake Environmental Support Society* (BLESS) as a Summer Nature Centre Coordinator. The BLESS Nature Centre operates out of a quaint log cabin located in St. Albert, within walking distance to the Sturgeon River. Bettina worked primarily with the young Nature Centre visitors, who were always eager to learn more about local birds, weather, trees, plants, watersheds, oil and gas and local bodies of water. She created visual aids including displays of natural artifacts and games/activities to support teaching the various weekly themes including 'fabulous feathers, splashing watersheds and wildlife habitat and behaviour'. She assisted in advertising, networking and contributing to the BLESS newsletters. Bettina kept the busy Nature Centre filled with fun and creative activities for the young visitors in hopes that they would all grow in their awareness and appreciation of Big Lake area."

Mackenzie worked for *Syngenta Crop Protection* as a summer product development technician. He assisted in selecting ideal fields with existing disease pressures like wireworm or cleaver weeds and then staked out good research plots. He assisted in planting wheat, canola and barley in a randomized statistical pattern and then observed and documented the plants growth throughout the summer. Syngenta's new formulations and existing products were then applied to the crops and the efficacy in controlling weeds or the damage they caused to the desired crop were compared. Hail storms, winds and rain were also factors considered in the growth cycle. Mackenzie prepared the field-sites for various tours with Syngenta's international company employees. Learning from his supervisors, peers, producers, and guidebooks, Mackenzie developed a keen sense of 'seeing the face' of plants and their very detailed life cycle.

Mackenzie Crawford ENVS/ Biology



Denyse Dawe ENVS/ Biology

Denyse was a Field Assistant to U. of A. grad student Matthew Gelderman (King's Alumni) assisting with research and data collection for an endangered White Bark Pine graduate study. Hiking into specific wilderness areas, on exposed alpine ridges and rugged terrain, Denyse assisted Matt in searching for white bark pine seedlings. The goal of this research was to determine which biophysical characteristics regulate the distribution and growth rate of white bark pine seedlings, an endangered and ecologically significant species. Hiking, and the aid of an occasional helicopter ride, enabled them to reach their ideal locations within Jasper

National Park and Willmore Wilderness Park. Denyse assisted Matt in collecting critical information regarding the factors that contributed to the seedlings size and health. She used such instruments as a clinometer, basal area prism and densitometer. Denyse loved participating in the recovery efforts and research of the whitebark pine and was happy to be outdoors most of the summer in the various mountain terrains.

Amber Dobson ENVS/ English



Amber worked as an environmental education intern for *A Rocha Brooksdale Environmental Centre* in Surrey, BC. Students from nearby schools were brought to the environmental centre for educational tours where Amber taught about creation care, biology and God's love. She led children of various ages through the interpretive walks while describing the many interesting factors of the onsite pond, community garden, meadow and forest. Amber assisted in preparing for both a week long day camp called 'Creature Construction' which focused on how animals build their homes, and a two day camp which included skits, faith-building activities, costume creation, writing songs, and constructed resource materials. Along with Ambers' regular education duties she fed chickens, tended the llamas and took her turn in preparing meals for the 30 campus residents. Amber's time at A Rocha has affirmed her love for learning, working with children and great appreciation of the work being done at A Rocha Brooksdale Environmental Centre.

For his internship, **Patrick** worked as a summer assistant at *The City of Edmonton's Reuse Centre*, located in Edmonton's downtown area. During his time at the Reuse Centre he observed the many benefits that the Reuse Centre provides to Edmonton by diverting many usable items from the landfill. Patrick said it was a busy Centre receiving a large quantity of donations daily, and a steady group of purchasers throughout the week. He received the regular donations from the public and helped to develop new systems to organize the numerous items. He contributed to public education regarding the function and purpose of the Reuse Centre and also worked alongside many of the volunteers at the centre. Throughout the summer, Patrick developed a great appreciation for the Reuse Centre and enjoyed his time promoting this area of waste management within the City of Edmonton.

Patrick Miller ENVS/ Social Science



ALUMNI UPDATES

Jonathan Kuprowsky (ENVS Biology-2009)

Johnathan recently finished his Artillery Officer trade course at CFB Gaagetown New Brunswick and will soon be promoted to Lieutenant in the Canadian Armed Forces Reserve. Jon lives in Edmonton with his wife Alia and son Jayden.

Jacinda Johnston (ENVS Biology –2013)

Jacinda is working for Waterline Resources Inc. in their Calgary office as an Environmental/ Project Scientist.

Teresa Looy (ENVS Psychology -2013)

Teresa has been accepted into the University of Manitoba's Master of Natural Resource Management program where she will be working with Dr. John Sinclair in the Natural Resource Institute. She has been awarded the Joseph Armand Bombardier Canada Graduate Master's Scholarship through the Social Sciences and Humanities Research Council of Canada (SSHRC).

Dennis Vroom (ENVS Biology –2003)

Dennis and his wife Lisa (née: Buikema) welcomed beautiful baby Evan Walter into the world on February 5, 2013.

Dan Van Hoffen (ENVS Biology –2011)



Congratulations to Dan and Amelia (née: Wiens) who were married in 2013. Dan currently works at the Enjoy Centre in St. Albert as the "Integrated Pest Management and Cultural Coordinator" as well as the "Building Operations Manager".

Buddy Morris (ENVS Biology-2012)



Congratulations to both Buddy and Stephanie (née: Clarke) who were married in August, 2013.

King's Community Garden



A hub of activity was seen at the King's Community Garden in early spring as the Micah Centre staff built new garden forms for the community garden participants. By the time harvest season was upon us, there was a plentiful supply of healthy vegetables. Over the past few years, King's students, staff and faculty have shared the rewards of a good harvest and friendly garden conversation.



THE LITTLE UNIVERSITY
WITH BIG DEGREES

King's Office of Sustainability

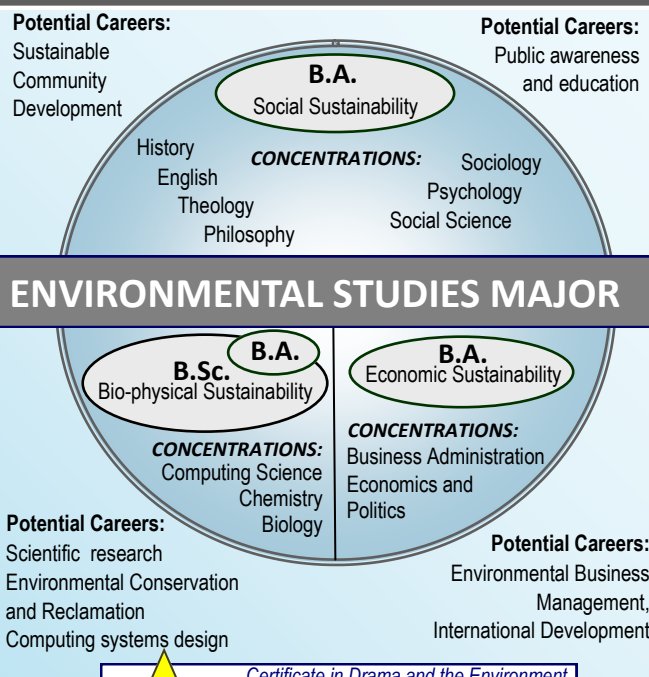
King's Office of Sustainability supports and encourages sustainability programs across campus, including programs for students. This includes access to recycling for residence students, recycling and large item donation services when students move out of residence, and encouraging creation care best practices such as turning off lights, reporting leaking taps, using re-usable mugs and taking transit.

The King's University College Environmental Studies Program was the first professionally accredited B.A. in Environmental Studies in Canada!

Environmental Studies Program

We live in a unique and important time in history. This generation has an opportunity to address human caused detriments on natural systems including declining fish stocks, forests, water supplies, and agricultural yields worldwide. Challenges such as global warming, depletion, food security, and poverty have reached critical stages. In the midst of all of this, more people live in the world due to exponential population growth, yet the resources these people depend on for their ways of life are being exhausted at increasing rates.

If you see yourself as an agent of change helping to solve dilemmas like these at scales ranging from local to global, then the Environmental Studies (ENVS) program at The King's University College is for you! ENVS at The King's University College is rooted in principles of stewardship and sustainability. Through the ENVS B.Sc. or B.A. degree, you will discover that the environmental issues are not simply a scientific dilemma - they are linked to social, economic, and spiritual realities. You will learn to understand the big picture while you focus on the intricacies of your chosen natural sciences, social sciences, or arts concentration.



Certificate in Drama and the Environment
Certificate in Education and the Environment

Each student chooses a concentration in either Humanities or the Social Sciences (B.A.) or the Natural Sciences (B.Sc.). ENVS courses emphasize environmental stewardship and sustainability, and then further develop these principles within the various concentrations. Concentration choices include Biology, Chemistry, Computing Science, History, Sociology, Philosophy, Business Administration, Economics and Politics, English, Theology, Psychology, Social Sciences, all taught from an environmental perspective. Geographic Information Systems (GIS), Environmental Impact Assessments (EIA), Resource Planning and Environmental Management are technical training opportunities available within the ENVS program.

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ENVIRONMENTAL STUDIES