



ADMISSION REQUIREMENTS

Applicants must have:

- a) High school diploma or its equivalent
- b) 50% or better in English Language Arts 30-1 or 30-2
- c) 50% or better in Math 20-1 or 20-2 (Pure or Applied Math 20)
- d) 50% or better in Chemistry 20 and Biology 20 OR Science 30

OR

Alternate Admission Status:

Alternate Admission Status applies if you do not meet the academic admission requirements of the program to which you are applying, or if you received your high school education through home based learning. Alternate Admission Status students may be required to meet specific program admission requirements.

COURSE SCHEDULE

Semester 1

PLS 1010	Plant Science Principles
SOI 1000	Fundamentals of Soil Science
GPS 1200	GPS, Site Mapping and Graphics
EVS 1210	Applied Ecology
WTR 1330	Water Fundamentals

Semester 2

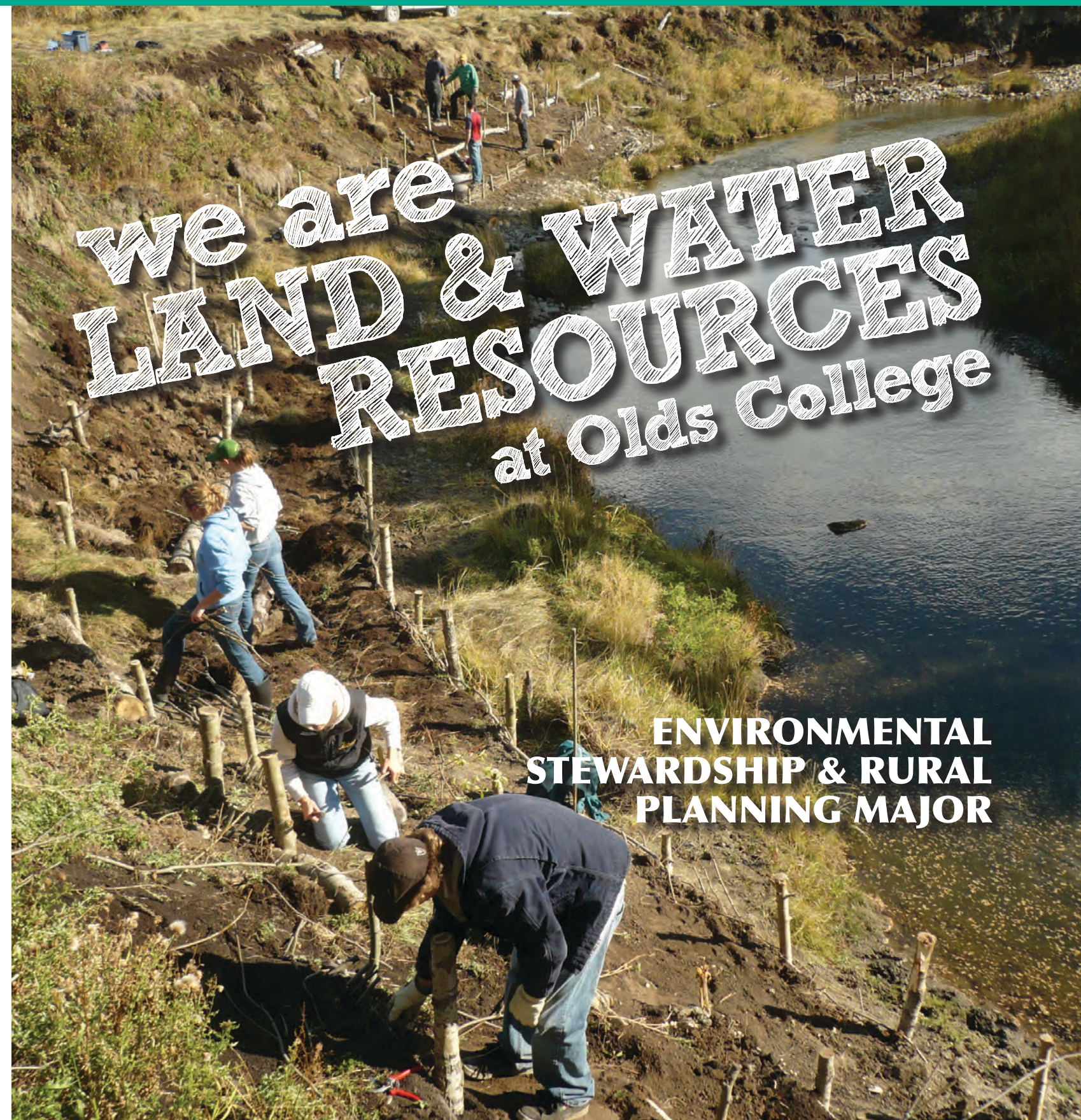
AGN 1540	Introductory Pest Management
CHE 1020	Environmental Chemistry
EVS 1730	Land Reclamation and Ethics
LUP 1620	Land Systems and Legislation
COM 1020	Workplace Communication

Semester 3

EVS 2000	Environmental Field School and Technical Reporting
WTR 2330	Water Quality
PLS 2410	Native Plants
SOI 2340	Soil Classification and Mapping
LUP 2610	Rural Development Practices

Semester 4

GIS 1300	GIS Tools
SOI 2500	Sustainable Soil Management
WTR 2630	Watershed Management
LUP 2620	Applied Land Use Planning
AGN 2420	Crop Production and Biometrics



CONTACT BOB HOFFOS, Program Coordinator

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ONLINE www.oldscollege.ca/programs/land-environment/land-water-resources-lwr/majors/environmental-stewardship-major-rural-planning-major

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EMPLOY YOUR PASSION

Land & Water Resources Program

ENVIRONMENTAL STEWARDSHIP & RURAL PLANNING MAJOR

Are you looking for a career path where you can make a difference to the environment? Come to Olds College and prepare for a career in Environmental Science or Rural Land Use Planning. You will get real-life, hands-on experience in soil and plant community classification, water quality management, land use planning procedures, computers, GPS, GIS, technical reporting, and professional communication. Graduates of this program move on to a variety of careers related to environmental consulting, municipal, agriculture, and the oil & gas sectors and are eligible for membership in the Alberta Institute of Agrology (AIA), which allows them to earn the Registered Technical Agrologist designation (R.T. Ag.) and with the Canadian Association of Certified Planning Technicians (CACPT) which allows them to earn the credential of Certified Planning Technician (CPT).



This 2-Year Land & Water Resources diploma program starts out with a common first year of courses, with 30% of the 2nd year courses being specialized to form either the Environmental Stewardship and Rural Planning Major or the Land Reclamation and Remediation Major. **A comprehensive field school** is a significant component to the 2nd Year of the program, and involves local and regional trips to a variety of landscapes and sites over a 2-week period in September for students to learn data gathering methods and solve practical real-life problems.

Here's what students are saying about the program...

"My education allowed me to obtain employment in the Agricultural Services department of a rural municipality. The proximity of the College to the resources of the city, surrounding municipalities, and landscape ensures that there is a variety of real-life opportunities for instructors to utilize in their instruction and assignments."

Kendra Tippe – Graduate

"My studies are teaching me to see the world differently. What I used to see as an empty pasture has become a rich landscape full of geological and environmental possibilities. I love what I'm learning in the classroom about land science. The hands-on approach to education at Olds College is a great fit for my skills and is preparing me for a future full of possibilities."

Jessica Kopp – Graduate

"This was a huge step for the college and was significant for myself as a student to be able to come out of this program and pursue a CPT designation."

Ben Misener – Graduate

"The Land and Water Resources Program at Olds College was the perfect fit to prepare me for work in the field of Agriculture, also qualifying me for the provincial designation of Registered Technical Agrologist (R.T. Ag.). I've found that the hands-on-training and extensive lab work is essential experience for work in the field whether it involves classifying soil, identifying plants or understanding the value of wetlands. The success of the program is driven by professors that take a personal interest in each student, going beyond the classroom. I would recommend the program as a well-rounded and thorough base for anyone interested in working in the environmental sector."

Lorelee Grattidge – Graduate

CAREER OPPORTUNITIES

- ◆ Conservation Group Coordinator
- ◆ Water Quality Technician
- ◆ Agricultural Fieldman
- ◆ Land Use Planning Technician
- ◆ Development Officer
- ◆ Research Technician
- ◆ Environmental Consultant

Further information about career opportunities and job descriptions for students graduating from this area can be found at the following websites:

- ◆ Alberta Institute of Agrologists – www.albertaagrologists.ca
- ◆ ECO Job Board – www.eco.ca/viewjobs
- ◆ Alberta Development Officers Association – www.adoa.net
- ◆ Association of Alberta Agriculture Fieldmen – www.aaaf.ab.ca
- ◆ Alberta Professional Planners Institute – www.albertaplanners.com
- ◆ Canadian Institute of Planners – www.cip-icu.ca
- ◆ Canadian Association of Certified Planning Technicians – www.cacpt.org

ACCREDITATION

Accreditation has been formally granted by the Canadian Association of Certified Planning Technicians (CACPT) for this new major in Environmental Stewardship and Rural Planning. This is the only planning diploma program in Western Canada with this distinction. CACPT, which was started in 1978, is dedicated to the promotion and welfare of planning technician and technology professionals throughout Canada and boasts over 500 members. With this program accreditation, an Olds College Rural Planning graduate will be eligible to become a full member of the CACPT and use the title "Certified Planning Technician" or "CPT" after their names on correspondence.

Graduates are also eligible for membership in the Alberta Institute of Agrology (AIA), which allows them to earn the Registered Technical Agrologist designation (R.T. Ag.). The AIA is the legally mandated provincial body that governs the activities of professionals in the areas of agriculture and environmental science. The R.T. Ag. designation is a legal requirement for certain field activities including "sign-off" authority for some environmental projects.



TRANSFERABILITY

Olds College has formal transfer agreements in place with the University of Lethbridge, Lakeland College, Royal Roads University, and informally with the University of Alberta (pending).

For further information with regards to transferability or career opportunities please contact 403-556-4773.