

August 2023

If you have any questions regarding approved courses to meet knowledge requirements, please email info@aia.ab.ca

Agriculture and Natural Resource Economics (ANRE)

KR	Course No. and Title	Educational Institution
Introductory Agricultural Economics	ATG 7003 – Applied Production Economics https://oldscollegece.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=3059&int_category_id=1&int_sub_category_id=88&int_catalog_id=0	Olds College Continuing Education
Introductory Ecology	BIOL 345: Ecology	Athabasca University
	BIOL 2060: Ecology https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18614	University of Guelph, OpenEd
	BIOL 3021: Community and Ecosystem Ecology https://www.tru.ca/distance/courses/biol3021.html	Thompson Rivers University
Introductory Microeconomics	ECON 247: Microeconomics	Athabasca University
Introductory Macroeconomics	ECON 248: Macroeconomics	Athabasca University
Environmental Economics	ECON 2212: Environmental Economics (online)	Lakehead University
	ECON 2713 CINT: Economics of the Natural Environment https://www2.acadiau.ca/online/courses/econ-2713-cint.html	Acadia University
Introductory Crop Production	QAGR 136 Integrated Crop Management https://lakelandcollege.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=95&int_category_id=1&int_sub_category_id=1&int_catalog_id=0	Lakeland College
Introductory Soil Science	EXCPE 4307: Soil Science Fundamentals	University of Alberta, Online and Continuing Education
(one of the following courses)	APBI 200: Introduction to Soil Science https://distancelearning.ubc.ca/courses-and-programs/distance-learning-courses/courses/apbi/	University of British Columbia Distance Learning

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KR	Course No. and Title	Educational Institution
(con't)	ENVS 2060 – Soil Science https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=19016	University of Guelph, OpenEd
Introductory Statistics	MATH 215: Introduction to Statistics	Athabasca University
	STAT 1201: Introduction to Probability and Statistics https://www.tru.ca/distance/courses/stat1201.html	Thompson River University (online)

Agriculture, Marketing and Sales (AMS)

KR	Course No. and Title	Educational Institution
Introductory Agricultural Economics	ATG 7003 – Applied Production Economics https://oldscollegece.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int class id=3059&int category id=1&int sub category id=88&int catalog id=0	Olds College Continuing Education
Introductory Communications	COM 1020 – Workplace Communications https://www.oldscollege.ca/programs/continuing-education/agriculture/agriculture-sales-certificate/index.html	Olds College
Introductory Crop Science	QAGR 136 Integrated Crop Management https://lakelandcollege.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int class id=95&int category id=1&int sub category id=1&int catalog id=0	Lakeland College
Introduction to Horticulture (One of the following, based on area of work)	ER332 – Selection and Propagation of Native Plants for Ecological Restoration https://continuingstudies.uvic.ca/science-and-ecological-restoration/courses/selection-and-propagation-of-native-plants-for-ecological-restoration Woody Landscape Plants https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/woody-landscape-plants.html	University of Victoria Olds College / University of Saskatchewan
	Herbaceous Landscape Plants https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/herbaceous-landscape-plants.html	Olds College
	Greenhouse Crop Production https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/greenhouse-crop-production.html	Olds College
	Vegetable Crop Production https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/vegetable-crop-production.html	Olds College / University of Saskatchewan
	Post Harvest Handling of Food Crops https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/post-harvest-handling-of-food-crops.html	Olds College

KR	Course No. and Title	Educational Institution
(con't)	Fruit Production https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/fruit-production.html	University of Saskatchewan
	Applied Botany (Olds College / University of Saskatchewan) 60 Hours of Course Time, Online https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/applied-botany.html	Olds College/ University of Saskatchewan
	Integrated Plant Management 60 Hours of Course Time, Online https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/integrated-plant-management.html	Olds College
	Soils for Horticulture 60 Hours of Course Time, Online https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/soils-for-horticulture.html	Olds College
	Plant Propagation 60 Hours of Course Time, Online https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/plant-propagation.html	Olds College
Introductory Marketing	Introduction to Marketing: CEMK 1150 https://www.concordia.ca/cce/courses/details.html?subject=CEMK&catalog_number=1150	Concordia Continuing Education
	Marketing (MKTG) 396 https://www.athabascau.ca/syllabi/mktg/mktg396.html MKG 1021 – Marketing Principles https://oldscollegecece.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=2723&int_category_id=0&int_sub_category_id=0&int_catalog_id=0	Athabasca University Olds College Continuing Education

KR	Course No. and Title	Educational Institution
Land Management Technologies (con't)	AGN 7006 – Crop Production Technologies https://oldscollegece.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=3054&int_category_id=0&int_sub_category_id=0&int_catalog_id=0 ATG 7004 – Variable Rate Prescription Creation and Deployment https://oldscollegece.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=3060&int_category_id=0&int_sub_category_id=0&int_catalog_id=0	Olds College
Industrial Vegetation Management	3101003 Integrated Pest Management https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=15952686	Guelph University, online

Assessment, Remediation and Management of Contaminated Lands (ARMCL)

KR	Course No. and Title	Educational Institution
Ecology	BIOL 345: Ecology	Athabasca University
	BIOL 2060: Ecology https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18614	University of Guelph, OpenEd
	BIOL 3021: Community and Ecosystem Ecology https://www.tru.ca/distance/courses/biol3021.html	Thompson Rivers University
Environmental Policy	POLI 325: Canadian Environmental Policy and Politics	Athabasca University
Environmental Sampling Design	EXERM 4285: Environmental Site Assessment and Management	University of Alberta, Online and Continuing Education
	BMC 153: Environmental Site Assessment https://conted.ucalgary.ca/search/publicCourseSearchDetails.do?method=load&courseId=66977	University of Calgary – Continuing Education
Inorganic Chemistry	CHEM 217: Chemical Principles I (Required)	Athabasca University
	CHEM 218: Chemical Principles II (Recommended)	
Hydrology	EXERM 4256: Applied Hydrology	University of Alberta, Faculty of Extension
Hydrogeology	EXERM 4291: Applied Hydrogeology in Alberta	University of Alberta, Online and Continuing Education
Plant Science	EXERM 4264: Land Reclamation Fundamentals	University of Alberta, Online and Continuing Education
(one of the following)	BOTANY 1 – Plant Physiology and Taxonomy https://www.hortcourses.com/courses/botany-i-plant-physiology-and-taxonomy-255.aspx	ACS Distance Education (Australia – Online)
	DTM1100 – Plant Biology https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18662	Guelph University, Online
Soil Science	EXCPE 4307: Soil Science Fundamentals	University of Alberta, Online and Continuing Education

KR	Course No. and Title	Educational Institution
(One of the following courses)	APBI 200: Introduction to Soil Science https://distancelearning.ubc.ca/courses-and-programs/distance-learning-courses/courses/apbi/	University of British Columbia Distance Learning
	ENVS 2060 – Soil Science https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=19016	University of Guelph, OpenEd
Organic Chemistry	CHEM 350: Organic Chemistry I (Required)	Athabasca University
	CHEM 360: Organic Chemistry II (Recommended)	Athabasca University
	CHEM 2443: Organic Chemistry I https://summersession.uconn.edu/organic-chemistry/#	Univ of Connecticut (online)
	CHEM 2123: Organic Chemistry I (online) https://www.tru.ca/distance/courses/chem2123.html	Thompson Rivers University
Remediation Strategies	EXERM 4286: Remediation Technologies	University of Alberta, Online and Continuing Education
Soil Chemistry	EXERM 4282: Applied Soil Chemistry	University of Alberta, Online and Continuing Education
Soil Classification	EXERM 4297: Soil Classification and Mapping	University of Alberta, Faculty of Extension
Statistical Analysis	MATH 215: Introduction to Statistics	Athabasca University
	STAT 1201: Introduction to Probability and Statistics https://www.tru.ca/distance/courses/stat1201.html	Thompson River University (online)
Vegetation Identification	EXERM 4265: Applied Vegetative Reclamation	University of Alberta, Online and Continuing Education
	Plant Identification	Tannas Conservation Services Ltd.

Biophysical Classification and Evaluation (BCE)

KR	Course No. and Title	Educational Institution
Ecology	BIOL 345: Ecology	Athabasca University
	BIOL 2060: Ecology https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18614	University of Guelph, OpenEd
	BIOL 3021: Community and Ecosystem Ecology https://www.tru.ca/distance/courses/biol3021.html	Thompson Rivers University
General Chemistry	CHEM 217: Chemical Principles I	Athabasca University
	CHEM218: Chemical Principles II	
Geomorphology / Landforms and Geomorphology	GEOL 3191: Geomorphology https://www.tru.ca/distance/courses/geol3191.html	Thompson Rivers University
Geographical Information System(s) (one required; both recommended)	GIST 7100 – Fundamentals of GIS (Online) https://www.bcit.ca/outlines/20221080135/	British Columbia Institute of Technology
	GIST 7128 – ArcGIS 1: Introduction (Online) https://www.bcit.ca/outlines/20222061851/	
Hydrology	EXERM 4256: Applied Hydrology	University of Alberta, Online and Continuing Education
Hydrogeology	EXERM 4291: Applied Hydrogeology in Alberta	University of Alberta, Faculty of Extension
Introductory Plant Science (one of the following)	EXERM 4264: Land Reclamation Fundamentals	University of Alberta, Faculty of Extension
	BOTANY 1 – Plant Physiology and Taxonomy https://www.hortcourses.com/courses/botany-i-plant-physiology-and-taxonomy-255.aspx	ACS Distance Education (Australia – Online)
	DTM1100 – Plant Biology https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18662	Guelph University, Online
Introductory Soil Science (One of the following courses)	EXCPE 4307: Soil Science Fundamentals	University of Alberta, Faculty of Extension
	APBI 200: Introduction to Soil Science https://distancelearning.ubc.ca/courses-and-programs/distance-learning-courses/courses/apbi/	University of British Columbia Distance Learning

KR	Course No. and Title	Educational Institution
	ENV5 2060 – Soil Science https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=19016	University of Guelph, OpenEd
Soil Chemistry	EXERM 4282: Applied Soil Chemistry	University of Alberta, Online and Continuing Education
Soil Genesis and Classification	EXERM 4297: Soil Classification and Mapping	University of Alberta, Online and Continuing Education
Soil Physics	EXERM 4281: Applied Soil Physics	University of Alberta, Online and Continuing Education
Statistics / Data Management	MATH 215: Introduction to Statistics	Athabasca University
	STAT 1201: Introduction to Probability and Statistics https://www.tru.ca/distance/courses/stat1201.html	Thompson River University (online)
Vegetation Identification	EXERM 4265: Applied Vegetative Reclamation	University of Alberta, Online and Continuing Education
	Plant Identification	Tannas Conservation Services Ltd.

Crop Production (CP)

KR	Course No. and Title	Educational Institution
Introductory Agricultural Economics	ATG 7003 – Applied Production Economics https://oldscollegece.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int class id=3059&int category id=1&int sub category id=88&int catalog id=0	Olds College Continuing Education
Introductory Crop Science	QAGR 136 Integrated Crop Management https://lakelandcollege.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int class id=95&int category id=1&int sub category id=1&int catalog id=0	Lakeland College
Introductory Crop Science	AGN 7036 Crop Production Systems https://www.oldscollege.ca/programs/continuing-education/agriculture/agronomy-certificate-level-i.html	Olds College Continuing Education
(One of the following, based on area of work)	ER332 – Selection and Propagation of Native Plants for Ecological Restoration https://continuingstudies.uvic.ca/science-and-ecological-restoration/courses/selection-and-propagation-of-native-plants-for-ecological-restoration	University of Victoria
	Woody Landscape Plants https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/woody-landscape-plants.html	Olds College / University of Saskatchewan
	Herbaceous Landscape Plants https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/herbaceous-landscape-plants.html	Olds College
	Greenhouse Crop Production https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/greenhouse-crop-production.html	Olds College
	Vegetable Crop Production https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/vegetable-crop-production.html	Olds College / University of Saskatchewan
	Post Harvest Handling of Food Crops https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/post-harvest-handling-of-food-crops.html	Olds College

KR	Course No. and Title	Educational Institution
	Fruit Production https://www.oldscollege.ca/programs/continuing-education/horticulture/prairie-hort-certificate/course-listing/fruit-production.html	University of Saskatchewan
(One of the following courses)	EXCPE 4307: Soil Science Fundamentals	University of Alberta, Online and Continuing Education
	AGN 7038: Introductory Soils & Crop Nutrition https://www.oldscollege.ca/programs/continuing-education/agriculture/agronomy-certificate-level-i.html	Olds College Extension
	APBI 200: Introduction to Soil Science https://distancelearning.ubc.ca/courses-and-programs/distance-learning-courses/courses/apbi/ ENVS 2060 – Soil Science https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=19016	University of British Columbia Distance Learning University of Guelph, OpenEd
Pests / Weed Management / Invasive Species and Weeds	3101003 Integrated Pest Management https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=15952686	Guelph University, online
Insect & Disease Management	AGN 7039 Insect and Disease Management https://www.oldscollege.ca/programs/continuing-education/agriculture/agronomy-certificate-level-i.html	Olds College Continuing Education online
Weed Management	AGN 7035 Weed Fundamentals https://www.oldscollege.ca/programs/continuing-education/agriculture/agronomy-certificate-level-i.html	Olds College, Continuing Education online
Field Scouting	AGN 7040 Field Scouting and Data Management https://www.oldscollege.ca/programs/continuing-education/agriculture/agronomy-certificate-level-i.html	Olds College, Continuing Education online
Soil Chemistry	EXERM 4282: Applied Soil Chemistry	University of Alberta, Online and Continuing Education
Soil Conservation and Management	EXERM 4281: Applied Soil Physics	University of Alberta, Online and Continuing Education
	ENVS*3080DE: Soil and Water Conservation https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18740	University of Guelph OpenID
Irrigated or Dryland Crop Water Use	ENVS*3080DE: Soil and Water Conservation https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18740	University of Guelph OpenED

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Soil Fertility	EXERM 4284: Applied Soil Fertility	University of Alberta, Online and Continuing Education
	QARG 138 – Nutrient Management https://lakelandcollege.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=94&int_category_id=1&int_sub_category_id=1&int_catalog_id=0	Lakeland College
Soil Physics	EXERM 4281: Applied Soil Physics	University of Alberta, Online and Continuing Education
Statistical Methods	MATH 215: Introduction to Statistics	Athabasca University

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	STAT 1201: Introduction to Probability and Statistics https://www.tru.ca/distance/courses/stat1201.html	Thompson River University (online)

Environmental Impact Assessment

KR	Course No. and Title	Educational Institution
Indigenous Studies	GEOG 2310: Indigenous-Settler Relationships in Environmental Governance https://courses.opened.uoguelph.ca/search/publicCoursesSearchDetails.do?method=load&courseId=18790 ECON 2631: Issues in Aboriginal Economics https://www.tru.ca/distance/courses/econ2631.html	University of Guelph, OpenEd Thompson River University
Introductory Plant Science (one of the following)	EXERM 4264: Land Reclamation Fundamentals BOTANY 1 – Plant Physiology and Taxonomy https://www.hortcourses.com/courses/botany-i-plant-physiology-and-taxonomy-255.aspx DTM1100 – Plant Biology https://courses.opened.uoguelph.ca/search/publicCoursesSearchDetails.do?method=load&courseId=18662	University of Alberta, Online and Continuing Education ACS Distance Education (Australia – Online) Guelph University, Online
Introductory Soil Science (One of the following courses)	EXCPE 4307: Soil Science Fundamentals APBI 200: Introduction to Soil Science https://distancelearning.ubc.ca/courses-and-programs/distance-learning-courses/courses/apbi/ ENV5 2060 – Soil Science https://courses.opened.uoguelph.ca/search/publicCoursesSearchDetails.do?method=load&courseId=19016	University of Alberta, Faculty of Extension University of British Columbia Distance Learning University of Guelph, OpenEd

Environmental Monitoring (EM)

KR	Course No. and Title	Educational Institution
Air Quality	XENV 30001 Stack Sampling (5-day course) https://www.mtroyal.ca/ProgramsCourses/ContinuingEducation/oil/StackSampling/index.htm May be taken with: XENV 30013 Stack Sampling Theory, but as Stack Sampling <i>Theory</i> is only 2 days (15 hours) it cannot be taken in lieu of Stack Sampling (5-day course)	Mount Royal University
Ecology	BIOL 345: Ecology	Athabasca University
	BIOL 2060: Ecology https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18614 BIOL 3021: Community and Ecosystem Ecology https://www.tru.ca/distance/courses/biol3021.html	University of Guelph, OpenEd Thompson Rivers University
Environmental Chemistry	CHEM 330: Environmental Chemistry https://www.athabascau.ca/syllabi/chem/chem330.html	Athabasca University
General Chemistry	CHEM 217: Chemical Principles I	Athabasca University
	CHEM218: Chemical Principles II	
Hydrology	EXERM 4256: Applied Hydrology	University of Alberta, Online and Continuing Education
Hydrogeology	EXERM 4291: Applied Hydrogeology in Alberta	University of Alberta, Online and Continuing Education
Introductory Plant Science	EXERM 4264: Land Reclamation Fundamentals	University of Alberta, Online and Continuing Education
(one of the following)	BOTANY 1 – Plant Physiology and Taxonomy https://www.hortcourses.com/courses/botany-i-plant-physiology-and-taxonomy-255.aspx	ACS Distance Education (Australia – Online)
	DTM1100 – Plant Biology https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18662	Guelph University, Online
Introductory Soil Science	EXCPE 4307: Soil Science Fundamentals	University of Alberta, Faculty of Extension

KR	Course No. and Title	Educational Institution
(One of the following courses)	APBI 200: Introduction to Soil Science https://distancelearning.ubc.ca/courses-and-programs/distance-learning-courses/courses/apbi/	University of British Columbia Distance Learning
	ENVS 2060 – Soil Science https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=19016	University of Guelph, OpenEd
Soil Chemistry	EXERM 4282: Applied Soil Chemistry	University of Alberta, Online and Continuing Education
Soil Conservation and Management	EXERM 4281: Applied Soil Physics	University of Alberta, Online and Continuing Education
	ENVS*3080DE: Soil and Water Conservation https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18740	University of Guelph OpenED
Soil Genesis and Classification	EXERM 4297: Soil Classification and Mapping	University of Alberta, Online and Continuing Education
Vegetation Identification	EXERM 4265: Applied Vegetative Reclamation	University of Alberta, Online and Continuing Education
	Plant Identification	Tannas Conservation Services Ltd.
Water Chemistry	WTTP 2051: Introduction to Water Chemistry https://www.tru.ca/distance/courses/wttp2051.html	

Land Conservation Management (LCM)

KR	Course No. and Title	Educational Institution
Geomorphology / Landforms and Geomorphology	GEOL 3191: Geomorphology https://www.tru.ca/distance/courses/geol3191.html	Thompson Rivers University
Geographical Information System(s) (one required; both recommended)	GIST 7100 – Fundamentals of GIS (Online) https://www.bcit.ca/outlines/20221080135/	British Columbia Institute of Technology
	GIST 7128 – ArcGIS 1: Introduction (Online) https://www.bcit.ca/outlines/20222061851/	
Introductory Plant Science (one of the following)	EXERM 4264: Land Reclamation Fundamentals	University of Alberta, Faculty of Extension
	BOTANY 1 – Plant Physiology and Taxonomy https://www.hortcourses.com/courses/botany-i-plant-physiology-and-taxonomy-255.aspx	ACS Distance Education (Australia – Online)
	DTM1100 – Plant Biology https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18662	Guelph University, Online
Introductory Soil Science (One of the following courses)	EXCPE 4307: Soil Science Fundamentals	University of Alberta, Online and Continuing Education
	APBI 200: Introduction to Soil Science https://distancelearning.ubc.ca/courses-and-programs/distance-learning-courses/courses/apbi/ ENVS 2060 – Soil Science https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=19016	University of British Columbia Distance Learning University of Guelph, OpenEd
Rangeland and Pasture Management and/or Livestock Production	QAGR 137: Winter Feeding & Grazing Management https://lakelandcollege.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=96&int_category_id=1&int_sub_category_id=1&int_catalog_id=0	Lakeland College
	LVS 7004 – Pasture and Grazing Management (Beef Focus) https://oldscollegece.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=3071&int_category_id=2&int_sub_category_id=81&int_catalog_id=0	Olds College
Sociology	SOCI 287 – Introduction to Sociology I	Athabasca University

Land Reclamation (LR)

KR	Course No. and Title	Educational Institution
Ecology	BIOL 345: Ecology	Athabasca University
	BIOL 2060: Ecology https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18614	University of Guelph, OpenEd
	BIOL 3021: Community and Ecosystem Ecology https://www.tru.ca/distance/courses/biol3021.html	Thompson Rivers University
Hydrology	EXERM 4256: Applied Hydrology	University of Alberta, Faculty of Extension
Introductory Plant Science (one of the following)	EXERM 4264: Land Reclamation Fundamentals	University of Alberta, Faculty of Extension
	BOTANY 1 – Plant Physiology and Taxonomy https://www.hortcourses.com/courses/botany-i-plant-physiology-and-taxonomy-255.aspx	ACS Distance Education (Australia – Online)
	DTM1100 – Plant Biology https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18662	Guelph University, Online
Introductory Soil Science (One of the following courses)	EXCPE 4307: Soil Science Fundamentals	University of Alberta, Online and Continuing Education
	APBI 200: Introduction to Soil Science https://distancelearning.ubc.ca/courses-and-programs/distance-learning-courses/courses/apbi/ ENVS 2060 – Soil Science https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=19016	University of British Columbia Distance Learning University of Guelph, OpenEd
Pests / Weed Management / Invasive Species and Weeds	3101003 Integrated Pest Management https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=15952686	Guelph University, online
Soil Chemistry	EXERM 4282: Applied Soil Chemistry	University of Alberta, Online and Continuing Education
Soil Conservation and Management	EXERM 4281: Applied Soil Physics	University of Alberta, Online and Continuing Education

KR	Course No. and Title	Educational Institution
	ENVS*3080DE: Soil and Water Conservation https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18740	University of Guelph OpenED
Soil Fertility	EXERM 4284: Applied Soil Fertility	University of Alberta, Online and Continuing Education
	QARG 138 – Nutrient Management https://lakelandcollege.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=94&int_category_id=1&int_sub_category_id=1&int_catalog_id=0	Lakeland College
Soil Genesis and Classification	EXERM 4297: Soil Classification and Mapping	University of Alberta, Faculty of Extension
Soil Physics	EXERM 4281: Applied Soil Physics	University of Alberta, Faculty of Extension
Vegetation Identification	EXERM 4265: Applied Vegetative Reclamation	University of Alberta, Faculty of Extension
	Plant Identification	Tannas Conservation Services Ltd.

Livestock Production (LP)

KR	Course No. and Title	Educational Institution
Agriculture Economics	ATG 7003 – Applied Production Economics https://oldscollegece.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=3059&int_category_id=1&int_sub_category_id=88&int_catalog_id=0	Olds College Continuing Education
Animal Diseases	LVS 7006 – Health and Disease https://oldscollegece.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=2567&int_category_id=2&int_sub_category_id=81&int_catalog_id=0	Olds College
Economics	ECON 247: Microeconomics	Athabasca University
	ECON 248: Macroeconomics	Athabasca University
Environmental Science	ENSC 200: Introductory Environmental Science	Athabasca University
Hydrology	EXERM 4256: Applied Hydrology	University of Alberta, Faculty of Extension
Infrastructure - BEEF	LVS 7003 – Basic Handling, Facilities and Equipment https://oldscollegece.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=3070&int_category_id=2&int_sub_category_id=81&int_catalog_id=0	Olds College
Introductory Soil Science (One of the following courses)	EXCPE 4307: Soil Science Fundamentals	University of Alberta, Online and Continuing Education
	APBI 200: Introduction to Soil Science https://distancelearning.ubc.ca/courses-and-programs/distance-learning-courses/courses/apbi/	University of British Columbia Distance Learning
	ENVS 2060 – Soil Science https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=19016	University of Guelph, OpenEd
Introductory Animal Nutrition - BEEF	LVS 7005 – Applied Nutrition and Feeding https://oldscollegece.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=2528&int_category_id=2&int_sub_category_id=81&int_catalog_id=0	Olds College
Rangeland and Pasture Management and/or Livestock Production	QAGR 137: Winter Feeding & Grazing Management https://lakelandcollege.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=96&int_category_id=1&int_sub_category_id=1&int_catalog_id=0	Lakeland College

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KR	Course No. and Title	Educational Institution
	LVS 7004 – Pasture and Grazing Management (Beef Focus) https://oldscollegece.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=3071&int_category_id=2&int_sub_category_id=81&int_catalog_id=0	Olds College
Species Specific Production - Beef	LVS 7002 – Beef Production Systems https://oldscollegece.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=3067&int_category_id=2&int_sub_category_id=81&int_catalog_id=0	Olds College
Statistics / Data Management	MATH 215: Introduction to Statistics	Athabasca University
	STAT 1201: Introduction to Probability and Statistics https://www.tru.ca/distance/courses/stat1201.html	Thompson River University (online)

Rangeland and Pasture Management (RPM)

KR	Course No. and Title	Educational Institution
Economics	ECON 247: Microeconomics	Athabasca University
	ECON 248: Macroeconomics	Athabasca University
Environmental Policy	POLI 325: Canadian Environmental Policy and Politics	Athabasca University
Hydrology	EXERM 4256: Applied Hydrology	University of Alberta, Online and Continuing Education
Pests / Weed Management / Invasive Species and Weeds	3101003 Integrated Pest Management https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=15952686	Guelph University, online
Rangeland and Pasture Management and/or Livestock Production	QAGR 137: Winter Feeding & Grazing Management https://lakelandcollege.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=96&int_category_id=1&int_sub_category_id=1&int_catalog_id=0	Lakeland College
	LVS 7004 – Pasture and Grazing Management (Beef Focus) https://www.oldscollege.ca/programs/continuing-education/animal-science/beef-production-certificate.html	Olds College
Soil Fertility	EXERM 4284: Applied Soil Fertility	University of Alberta, Online and Continuing Education
	QARG 138 – Nutrient Management https://lakelandcollege.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=94&int_category_id=1&int_sub_category_id=1&int_catalog_id=0	Lakeland College
Soil Genesis and Classification	EXERM 4297: Soil Classification and Mapping	University of Alberta, Online and Continuing Education
Soil Physics	EXERM 4281: Applied Soil Physics	University of Alberta, Online and Continuing Education
Vegetation Identification	EXERM 4265: Applied Vegetative Reclamation	University of Alberta, Faculty of Extension
	Plant Identification	Tannas Conservation Services Ltd.

Regulatory Support and Consultation (RSC)

KR	Course No. and Title	Educational Institution
Environmental Impact Assessment / Environmental Impact and Mitigation	EXERM 4268: Environmental Impact Assessments	University of Alberta, Online and Continuing Education
	BMC 265 – Environmental Impact Assessments and Reporting (ONLY 30 HOURS) https://conted.ucalgary.ca/search/publicCourseSearchDetails.do;jsessionid=F6BF6695DB5226F12C7AAE4BECE50CAD?method=load&courseId=67556	University of Calgary, Continuing Education
	ENVS 305 – Environmental Impact Assessment https://www.athabascau.ca/syllabi/envs/envs305.html	Athabasca University
Environmental Policy	POLI 325: Canadian Environmental Policy and Politics	Athabasca University
Introductory Crop Science	QAGR 136 Integrated Crop Management https://lakelandcollege.augusoft.net/index.cfm?method=ClassInfo.ClassInformation&int_class_id=95&int_category_id=1&int_sub_category_id=1&int_catalog_id=0	Lakeland College

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Rural Development and Support (RDS)

KR	Course No. and Title	Educational Institution
Policy and Program Development	EDRD 6690 – Program Evaluation https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18706&selectedProgramAreaId=16975&selectedProgramStreamId=17028	Guelph University (online)

Water Resources, Planning and Management (WRPM)

KR	Course No. and Title	Educational Institution
Ecology	BIOL 345: Ecology	Athabasca University
	BIOL 2060: Ecology https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18614	University of Guelph, OpenEd
	BIOL 3021: Community and Ecosystem Ecology https://www.tru.ca/distance/courses/biol3021.html	Thompson Rivers University
Environmental Economics	ECON 2212: Environmental Economics (online)	Lakehead University
	ECON 2713 CINT: Economics of the Natural Environment https://www2.acadiau.ca/online/courses/econ-2713-cint.html	Acadia University
Environmental Science	ENSC 200: Introductory Environmental Science	Athabasca University
General Chemistry	CHEM 217: Chemical Principles I	Athabasca University
	CHEM218: Chemical Principles II	
Geographical Information System(s) (one required; both recommended)	GIST 7100 – Fundamentals of GIS (Online) https://www.bcit.ca/outlines/20221080135/	British Columbia Institute of Technology
	GIST 7128 – ArcGIS 1: Introduction (Online) https://www.bcit.ca/outlines/20222061851/	
Hydrology	EXERM 4256: Applied Hydrology	University of Alberta, Faculty of Extension
Introductory Soil Science	EXCPE 4307: Soil Science Fundamentals	University of Alberta, Online and Continuing Education
(One of the following courses)	APBI 200: Introduction to Soil Science https://distancelearning.ubc.ca/courses-and-programs/distance-learning-courses/courses/apbi/ ENVS 2060 – Soil Science https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=19016	University of British Columbia Distance Learning University of Guelph, OpenEd

KR	Course No. and Title	Educational Institution
Land Use (Effects on Water Quality and Quantity)	WTTP 1701: Water Sources https://www.tru.ca/distance/courses/wtpp1701.html	Thompson River University
Soil Conservation and Management	EXERM 4281: Applied Soil Physics	University of Alberta, Online and Continuing Education
	ENVS*3080DE: Soil and Water Conservation https://courses.opened.uoguelph.ca/search/publicCourseSearchDetails.do?method=load&courseId=18740	University of Guelph OpenED
Statistics / Data Management	MATH 215: Introduction to Statistics	Athabasca University
	STAT 1201: Introduction to Probability and Statistics https://www.tru.ca/distance/courses/stat1201.html	Thompson River University (online)
Water Chemistry	WTTP 2051: Introduction to Water Chemistry https://www.tru.ca/distance/courses/wtpp2051.html	Thompson River University (online)
	BMC 246: Water Quality https://conted.ucalgary.ca/search/publicCourseSearchDetails.do?method=load&courseId=67048	University of Calgary (online)

Wetlands and Riparian Areas (WRA)

KR	Course No. and Title	Educational Institution
Geomorphology / Landforms and Geomorphology	GEOL 3191: Geomorphology https://www.tru.ca/distance/courses/geol3191.html	Thompson Rivers University
Geographical Information System(s) (one required; both recommended)	GIST 7100 – Fundamentals of GIS (Online) https://www.bcit.ca/outlines/20221080135/	British Columbia Institute of Technology
	GIST 7128 – ArcGIS 1: Introduction (Online) https://www.bcit.ca/outlines/20222061851/	
Hydrology	EXERM 4256: Applied Hydrology	University of Alberta, Online and Continuing Education
Hydrogeology	EXERM 4291: Applied Hydrogeology in Alberta	University of Alberta, Online and Continuing Education
Introductory Plant Science (one of the following)	EXERM 4264: Land Reclamation Fundamentals	University of Alberta, Faculty of Extension
	BOTANY 1 – Plant Physiology and Taxonomy https://www.hortcourses.com/courses/botany-i-plant-physiology-and-taxonomy-255.aspx	ACS Distance Education (Australia – Online)
	DTM1100 – Plant Biology https://courses.opened.uoguelph.ca/search/publicCoursesSearchDetails.do?method=load&courseId=18662	Guelph University, Online
Introductory Soil Science (One of the following courses)	EXCPE 4307: Soil Science Fundamentals	University of Alberta, Online and Continuing Education
	APBI 200: Introduction to Soil Science https://distancelearning.ubc.ca/courses-and-programs/distance-learning-courses/courses/apbi/ ENVS 2060 – Soil Science https://courses.opened.uoguelph.ca/search/publicCoursesSearchDetails.do?method=load&courseId=19016	University of British Columbia Distance Learning University of Guelph, OpenEd

KR	Course No. and Title	Educational Institution
Soil Chemistry	EXERM 4282: Applied Soil Chemistry	University of Alberta, Online and Continuing Education
Soil Genesis and Classification	EXERM 4297: Soil Classification and Mapping	University of Alberta, Faculty of Extension
Soil Physics	EXERM 4281: Applied Soil Physics	University of Alberta, Online and Continuing Education
Water Chemistry	WTTP 2051: Introduction to Water Chemistry https://www.tru.ca/distance/courses/wttp2051.html	Thompson Rivers University
	BMC 246: Water Quality https://conted.ucalgary.ca/search/publicCourseSearchDetails.do?method=load&courseId=67048	University of Calgary (online)
Wetland Vegetation Ecology/ Restoration Ecology	EXCPE 4290: Restoring and Creating Wetlands	University of Alberta, Online and Continuing Education
Wetland Vegetation Identification and Taxonomy	EXERM 4280: Wetland Delineation, Classification and Assessment	University of Alberta, Online and Continuing Education