Indigenous Environmental Stewardship and Reclamation Program

2018 -2019 Academic Year

IESR Technician Certificate

Courses	Course Name	Credits
MATH 90-1	Mathematics 90	5
ENGL 90-1	English 90	5
CHEM 90-1	Chemistry 90	5
CREE 150, CREE 100 OR STON 115	Cree 150 Introductory Cree or Cree 100 OR Stoney 115 Introduction to Stoney Language and Culture	5
IESR 290-1	Land-based Field Work	1
IESR 100	Environmental Monitoring and Assessment	3
NTST 103	Native Social Structure	3
IESR 110	Ecology of Water Systems	3
IESR 120	Geology and Use of Water Systems	3
IESR 290-2	Land-based Field Work	1
IESR 195	Practicum 1 Science, Culture and the Environment	3
IESR 130	Air Quality Monitoring and Improvement	3
IESR 140	Water Quality Monitoring and Analysis	3
IESR 150 OR NTST 206	Traditional Land use OR Native Studies 206	
	IESR Technician Certificate Total Credits	42

Year 1 IESR Technologist Diploma

Courses	Course Name	Credits
IESR 200	Soil Science	3
IESR 210	Biology An Exploration Of Biological Diversity OR Biology 100	3
IESR 220	Environmental Ethics and Communication	3
CREE 250 STON 125	Intermediate Cree OR CREE 200 Intermediate Stoney Language and Culture	3
IESR 290-3	Land-based Field Work	1

Option	Option Recommended: Introduction to Biochemistry or Human Geography	3
IESR 240	Geology OR Earth and Atmospheric Science 101	3
IESR 250	Ecological Stewardship	3
IESR 260	English for Scientific and Community Reporting OR 6 credits in ENGL 124, 125 or ENGL 250	3
IESR 290-4	Land-based Field Work	1
IESR 295	Practicum 2 Stewardship, Policy and Practice	3
IESR 270 OR STAT 151	Statistical Methods for Environmental Sciences OR Introduction to Statistics	3
IESR 280	Contaminated Site Evaluating and Management	3
	IESR Technologist Diplomas 1St Year Total Credits	35

Year 2 IESR Technologist Diploma

Courses	Course Name	Credits
IESR 300	Site Reclamation	3
IESR 310	Taxonomy of Plants	3
IESR 320	Geographical Mapping and Applications OR GIS/GPS	3
IESR 330	Forestry Management	3
IESR 290-5	Land-based Field Work	1
IESR 395	Practicum 3 Environmental Management and Admin	3
IESR 340 OR LAW 369	Environmental and Natural Resource Law OR Contract Law	3
IESR 350 OR IGOV 304	Indigenous Ethics- Guides for Use and Dissemination OR Indigenous Governance	3
ISMB 300	Integrated Business Systems and Applications	3
IESR 290-6	Land-based Field Work	1
IESR 360 OR IGOV 309	Community Engagement and Planning OR Indigenous/Settler Relations	3
IESR 370	Conservation and Habitat Management	3
IESR 380 OR IGOV 307	Research Methods OR Introduction to Indigenous Community Research	3
	IESR Technologist Diplomas Total Credits Required	70