



**Name:** \_\_\_\_\_

**ID#:** \_\_\_\_\_

**Date Created:** \_\_\_\_\_

**Date Revised:** \_\_\_\_\_

## **PROGRAM PLANNING GUIDE 2019-2020**

### **Environmental Reclamation Technician Diploma**

The purpose of this program planning guide is to help students track their progress within their chosen program. The information in this planning guide is accurate at the time of printing and is subject to change without notice. It is the students' responsibility to ensure the accuracy of their program and course choice. Students should use the program planning guide dated the year in which they began the program. This guide should be used in conjunction with the official version of the Medicine Hat College Calendar, and calendars of appropriate transfer institutions, which are the final authorities regarding program requirements.

#### **Year One**

| <b>FALL SEMESTER</b>                                                                                                                                      |             |              | <b>WINTER SEMESTER</b>                                                                            |             |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|---------------------------------------------------------------------------------------------------|-------------|--------------|
| <b>COURSE</b>                                                                                                                                             | <b>DATE</b> | <b>GRADE</b> | <b>COURSE</b>                                                                                     | <b>DATE</b> | <b>GRADE</b> |
| <b>BOTA 205</b> Introduction to Botany                                                                                                                    |             |              | <b>ENGL 155</b> Scientific & Technical Writing                                                    |             |              |
| <b>EREC 100</b> Introduction to Environmental Science Concepts<br><i>Prerequisite: ENGL 30 or equivalent</i>                                              |             |              | <b>EREC 115</b> Introduction to CAD and Surveying for Environmental Reclamation Technicians       |             |              |
| <b>EREC 120</b> Petroleum Industry Fundamentals                                                                                                           |             |              | <b>EREC 160</b> Integrated Vegetation Management<br><i>Prerequisite: C- grade in BOTA 205</i>     |             |              |
| <b>EREC 140</b> Environmental Chemistry<br><i>Recommended Background: CHEM 30</i><br><i>Prerequisite: Admission to EREC program or permission of Dean</i> |             |              | <b>EREC 230</b> Water Fundamentals                                                                |             |              |
| <b>SOSC 213</b> Soil Resources                                                                                                                            |             |              | <b>STAT 251</b> Introduction to Applied Statistics<br><i>Prerequisite: MATH 030 or equivalent</i> |             |              |

#### **Year Two**

| <b>FALL SEMESTER</b>                                                    |             |              | <b>WINTER SEMESTER</b>                                                                      |             |              |
|-------------------------------------------------------------------------|-------------|--------------|---------------------------------------------------------------------------------------------|-------------|--------------|
| <b>COURSE</b>                                                           | <b>DATE</b> | <b>GRADE</b> | <b>COURSE</b>                                                                               | <b>DATE</b> | <b>GRADE</b> |
| <b>BIOL 254</b> Plant Taxonomy                                          |             |              |                                                                                             |             |              |
| <b>BIOL 255</b> Ecology                                                 |             |              | <b>EREC 240</b> Environmental Assessment                                                    |             |              |
| <b>EREC 210</b> Agrology & Agro-Ecology for Environmental Technologists |             |              | <b>EREC 260</b> Land Reclamation and Revegetation                                           |             |              |
| <b>EREC 220</b> Environmental Sampling and Monitoring                   |             |              | <b>EREC 263</b> Land Reclamation Legislation                                                |             |              |
| <b>GEOG 201</b> The Physical Environment                                |             |              | <b>GEOG 332</b> Map & Air Photo Interpretation<br><i>Prerequisite: C- grade in GEOG 201</i> |             |              |

| <b>SPRING SEMESTER</b>              |             |              |
|-------------------------------------|-------------|--------------|
| <b>COURSE</b>                       | <b>DATE</b> | <b>GRADE</b> |
| <b>EREC 280</b> Career Explorations |             |              |

### **Program Notes:**

- To continue to Year Two of the program, a cumulative minimum 2.0 GPA is required at the end of Year One.
- To graduate, students must:
  - Complete all program courses as outlined along with co-requisite safety and training certificates
  - Attain a minimum cumulative GPA of 2.0
  - Obtain no more than one D or D+ grade in the second year
  - Successfully complete EREC 280
- Required co-requisite certification & safety training: H2S, Standard First Aid Level A.
- Additional safety certification/training is highly recommended, including: ATV Safety, Authorized Assistant Pesticide Applicator.
- Students must complete both H2S and PST (Petroleum Safety Training) certifications within the first six weeks of the program in order to participate in field trips/activities to active oil and gas leases.
- Costs of certification range from \$50 to \$350; students are responsible for these costs.
- If your computer skills are limited, you should enroll in MICO 191 prior to beginning this program.
- Field trips, lab activities, workshops and group projects are part of the program and are a component of many of the required courses.