



Name: _____

ID#: _____

Date Created: _____

Date Revised: _____

PROGRAM PLANNING GUIDE 2021-2022

Agroecology 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

| FALL SEMESTER | | | WINTER SEMESTER | | |
|--|------|-------|---|------|-------|
| COURSE | DATE | GRADE | COURSE | DATE | GRADE |
| AGEC 120 Agroecology I <i>Corequisite: BIOL 255</i> | | | AGEC 130 Introduction to Geographic Information Science | | |
| BIOL 254 Plant Taxonomy | | | AGEC 140 Integrated Vegetation Management <i>Prerequisite: BIOL 254</i> | | |
| BIOL 255 Ecology | | | ECON 201 Microeconomics | | |
| CADD 172 Sustainability & Systems Thinking | | | EREC 230 Water Fundamentals | | |
| SOSC 213 Soil Resources | | | TCOM 110 Technical Communications | | |

Year Two

| FALL SEMESTER | | | WINTER SEMESTER | | |
|--|------|-------|---|------|-------|
| COURSE | DATE | GRADE | COURSE | DATE | GRADE |
| AGEC 200 Research Methods <i>Prerequisite: BIOL 254</i> | | | AGEC 250 Soil Ecology <i>Prerequisite: SOSC 213</i> | | |
| AGEC 210 Range & Holistic Management <i>Prerequisite: BIOL 254, BIOL 255, & ECON 201</i> | | | AGEC 260 Horticulture Methods <i>Prerequisite: AGECE 140, BIOL 254</i> | | |
| AGEC 220 Advanced GIS and Remote Sensing for Landscape Ecology <i>Prerequisite: AGECE 130, BIOL 255</i> | | | AGEC 270 Wetland Ecology and Management <i>Prerequisite: AGECE 220, BIOL 254, & EREC 230</i> | | |
| AGEC 230 Forage and Cropping Systems <i>Prerequisite: AGECE 130, BIOL 254</i> | | | AGEC 280 Agroecology II (Capstone) <i>Prerequisite: AGECE 120, Permaculture Design Course, & Rainwater Harvesting Course</i> | | |
| AGEC 240 Climate and Ecosystems <i>Prerequisite: AGECE 130, BIOL 255</i> | | | MGMT 161 Business Management Theory | | |

Continuation Requirements:

- Students must receive a minimum of a C- grade in each course to continue in the program.

Graduation Requirements:

- Students must complete all 20 courses with a minimum overall GPA of 2.0.
- Completion of Permaculture Design Course and Rainwater Harvesting course.

Program Notes:

- Additional Prerequisites for Program Graduation:
 - Students must also complete a Permaculture Design Course (PDC) and Rainwater Harvesting course prior to taking AGECE 280 (Agroecology II: Capstone). Both courses will be offered through Medicine Hat College Continuing Studies. However, students have a range of options to complete both courses. PDC are offered free online, and Rainwater Harvesting courses are also available online.
 - In order to complete the prerequisites, students must complete a 72 hour PDC from instructors recognized by the Permaculture Institute of North America. Students must also complete a rainwater harvesting course (Designer Certification) recognized by the Canadian Association of Rainwater Management (CANARM).