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Date Created: _____

Date Revised: _____

PROGRAM PLANNING GUIDE 2026-2027

Engineering Design and Architectural Technology 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
EDAT 101 [4] (lec/lab) Drafting I			EDAT 102 [4] (lec/lab) Drafting II <i>Prerequisite: EDAT 101 or CADD 101</i>		
EDAT 121 [4] (lec/lab) CADD Applications I <i>Corequisite: EDAT 101 or CADD 101</i>			EDAT 132 [4] (lec/lab) Mechanical Design I – Applied Physics <i>Prerequisite: EDAT 101 or CADD 101</i>		
EDAT 122 [4] (lec/lab) CADD Applications II <i>Corequisite: EDAT 101 or CADD 101</i>			EDAT 151 [3] (lec/lab) Technical Communications		
EDAT 176 [4] (lec/lab) Foundations of Professional Practice			EDAT 161 [4] (lec/lab) Civil Design I – Civil Design Fundamentals <i>Prerequisite: EDAT 101 or CADD 101</i>		
EDAT 177 [4] (lec/lab) Applied Engineering Mathematics			EDAT 182 [4] (lec/lab) Building Design I – Building Systems <i>Prerequisite: EDAT 101 or CADD 101</i>		

Year Two

FALL SEMESTER			WINTER SEMESTER		
COURSE	DATE	GRADE	COURSE	DATE	GRADE
EDAT 201 [4] (lab) Digital Design & Presentation <i>Prerequisite: EDAT 122 or CADD 122</i>			EDAT 232 [4] (lec/lab) Mechanical Design III <i>Prerequisite: Min. C in EDAT 231 or BEET 231</i>		
EDAT 231 [4] (lec/lab) Mechanical Design II <i>Prerequisite: (EDAT 102 OR CADD 102) & (EDAT 121 or CADD 121) & (EDAT 132 or CADD 132)</i>			EDAT 242 [4] (lec/lab) Piping & Control Systems <i>Prerequisite: EDAT 102 or CADD 102</i>		
EDAT 261 [4] (lec/lab) Civil Design II <i>Prerequisite: EDAT 161 or CADD 161</i>			EDAT 262 [4] (lec/lab) Civil Design III <i>Prerequisite: Min. C in EDAT 261 or BEET 261</i>		
EDAT 271 [4] (lec/lab) Design Strategies <i>Prerequisite: 2nd Year Standing or permission of the Coordinator</i>			EDAT 272 [4] (lec/lab) Capstone <i>Prerequisite: Pre-requisite: Min. C in EDAT 271 or BEET 271</i> <i>Co-requisite: Two of (EDAT 232 or BEET 232), (EDAT 242 or BEET 242), (EDAT 262 or BEET 262), or (EDAT 282 or BEET 282)</i>		
EDAT 281 [4] (lec/lab) Building Design II <i>Prerequisite: (EDAT 102 OR CADD 102) & (EDAT 122 or CADD 122) & (EDAT 182 or CADD 182)</i>			EDAT 282 [4] (lec/lab) Building Design III <i>Prerequisite: Min. C in EDAT 281 or BEET 281</i>		

Continuation Requirements:

- Prerequisite grades should be C- or higher, though specific courses may demand a higher grade. Refer to individual course descriptions for clarification.
- Achieve a minimum of a “C” grade in EDAT 231, EDAT, 261, EDAT 271 and EDAT 281

Graduation Requirements:

- Attain a minimum GPA of 2.0.
- Complete the program with no failures or incompletes in the required courses.

Time Limits for Program Completion:

- Students are allowed up to five years to complete the diploma route.

Computer Aided Drafting & Design (CADD) Certificate:

Students are eligible to receive a CADD certificate by:

- Successfully completing ten 100-level courses required for the EDAT Diploma
- Attaining a minimum cumulative GPA of 2.0