



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

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

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

**Revision Date:** \_\_\_\_\_

**PROGRAM PLANNING GUIDE 2016 -2017**  
**Computer Aided Drafting and Design (CADD) Certificate**  
**and CADD Technical Illustration 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 (print) version of the Medicine Hat College Calendar, and calendars of appropriate transfer institutions, which are the final authorities regarding program requirements.

**Year One (Certificate Option)**

FALL SEMESTER			WINTER SEMESTER		
COURSE	DATE	GRADE	COURSE	DATE	GRADE
<b>CADD 125</b> <i>CADD Applications</i>			<b>CADD 135</b> <i>Fluid Mechanics</i>		
<b>CADD 131</b> <i>Building Systems</i> <i>Co-requisite: CADD 125 OR</i> <i>Program Coordinator Approval</i>			<b>CADD 140</b> <i>Surveying and Topography</i> <i>Prerequisite: C- grade in either</i> <i>CADD 111</i>		
<b>CADD 155</b> <i>Statics Strength of</i> <i>Material</i> <i>Co-requisite: MATH 145</i>			<b>CADD 143</b> <i>Engineering</i> <i>Materials/Physics</i>		
<b>MATH 145</b> <i>Algebra, Trigonometry,</i> <i>Calculus</i>			<b>CADD 150</b> <i>Advanced Drafting CADD</i> <i>Design</i> <i>Prerequisite: C- grade</i> <i>CADD 111 &amp; CADD 125</i>		
<b>CADD 111</b> <i>Technical Drafting and</i> <i>Descriptive Geometry with</i> <i>AutoCAD</i>			<b>CADD 185</b> <i>Residential Architecture</i> <i>Design</i> <i>Prerequisite: C- grade in CADD 111</i> <i>&amp; CADD 125 or Program</i> <i>Coordinator Approval</i>		
<b>MICO 191</b> <i>Introduction to</i> <i>Microcomputers</i>			<b>ENGL 125</b> <i>Introductory Report</i> <i>Writing and Speech</i>		

**SPRING SEMESTER (1 week)**

<b>CADD 160 Survey</b> <i>Fieldwork</i> <i>Prerequisite: C- grade in CADD 140</i>		
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Note: Students are eligible for a Computer Aided Drafting & Design certificate after completion of first year. Upon completion of the second year, students are eligible for a diploma in Technical Illustration.

**Year Two (Diploma Option)**

FALL SEMESTER			WINTER SEMESTER		
COURSE	DATE	GRADE	COURSE	DATE	GRADE
<b>CADD 201</b> <b>Building Design I - Technical Illustration</b> <i>Prerequisite: C- grade in CADD 185</i>			<b>CADD 220</b> <b>Building Design II - Commercial Architectural</b> <i>Prerequisite: C- grade in CADD 185 &amp; CADD 201 &amp; CADD 280</i>		
<b>CADD 215</b> <b>Project Management/ Contract Specifications</b> <i>Co-requisite: CADD 241 OR Program Coordinator Approval</i>			<b>CADD 230</b> <b>Mechanical Design</b> <i>Prerequisite: C- grade in CADD 111 &amp; CADD 150 &amp; CADD 155</i>		
<b>CADD 241</b> <b>Piping and Pressure Vessel Design</b> <i>Prerequisite: C- grade CADD 111 &amp; CADD 135 &amp; CADD 155</i>			<b>CADD 255</b> <b>Technical Report/Illustration</b> <i>Prerequisite: C- grade in CADD 201 &amp; CADD 215 &amp; CADD 280 &amp; ENGL 125</i>		
<b>CADD 247</b> <b>Civil Design I - Civil 3D® &amp; GIS</b> <i>Prerequisite: C- grade in CADD 111 &amp; CADD 140</i>			<b>CADD 269</b> <b>Civil Design III - Municipal</b> <i>Prerequisite: C- grade in CADD 111 &amp; CADD 140 &amp; CADD 247</i>		
<b>CADD 280</b> <b>Civil Design II - Structural Design</b> <i>Prerequisite: C- grade in CADD 155 &amp; CADD 185</i>			<b>CADD 291</b> <b>Building Design III - Technical Illustration</b> <i>Prerequisite: C- grade in CADD 201</i>		

**PROGRAM NOTES:**

- To successfully complete either program, you must attain a minimum cumulative GPA of 2.0 AND complete the program with no failures or incompletes in the required courses.