MEDICINE HAT COLLEGE

Name: _____ _____
ID#: _____
Date Created: _____
Date Revised: _____

PROGRAM PLANNING GUIDE 2022-2023
Information Technology <u>Diploma</u>
Software and Internet Development Major

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**
ITEC 100 Professional Communications I			**ITEC 130** A+ Computer Technology II *Prerequisite: C- grade in ITEC 110*		
ITEC 110 A+ Computer Technology I			**ITEC 145** Programming Fundamentals II *Prerequisite: C- grade in ITEC 140*		
ITEC 120 Applied Mathematics			**ITEC 155** IT Systems Support		
ITEC 140 Programming Fundamentals I			**ITEC 170** Networking Fundamentals		
ITEC 150 Application Software			**ITEC 190** Web Development I		

Year Two

FALL SEMESTER			WINTER SEMESTER		
COURSE	**DATE**	**GRADE**	**COURSE**	**DATE**	**GRADE**
ITEC 230 Emerging Technologies I *Prerequisite: C- grade in ITEC 140 or ITEC 170*			**ITEC 240** Web Server Administration		
ITEC 270 Database Management I			**ITEC 275** Database Management II *Prerequisite: C- grade in ITEC 270*		
NETW 290 Network Administration *Prerequisite: C- grade in ITEC 170*			**ITEC 281** Business and Accounting Principles		
PROG 210 Systems Analysis & Design			**PROG 245** Dynamic Web Application Development *Prerequisite: C- grade in PROG 225*		
PROG 225 Intermediate Programming *Prerequisite: C- grade in ITEC 145*			**PROG 280** Advanced Programming *Prerequisite: C- grade in PROG 225*		

Continuation Requirements:
- Prerequisite grades must be C- or higher.

Graduation Requirements:
- Compete a minimum of ten 100-level approved courses.
- Obtain no more than one D or D+ grade in 100-level courses
- Complete a minimum of ten 200-level or higher approved courses.
- Obtain no D or D+ grade in 200-level or higher courses.
- Attain a minimum GPA of 2.0.

Program Notes:
- Students with a strong high school Math background may take MATH 202/203 or STAT 251 in place of ITEC 120. Students must obtain advanced permission from the Program Coordinator.
- Students in the Software and Internet Development major may take University Studies courses CPSC 231 and/or CPSC 233 in place of one or two courses designated by the Information Technology program. Students must obtain advanced permission from the Program Coordinator.
- Admission to the optional Co-op Program occurs at the end of the first semester. Admission to the Co-op Program is based on academic standing, evaluation of two written communications assignments in ITEC 100, work term availability, and approval of the ITEC faculty.
  - Students enrolled in the Co-op Program must complete ITEC 205 and ITEC 291. Typically, the student will take ITEC 205 in the winter semester of the first year. ITEC 291 will be completed over the spring and summer months between first and second year.
- You are eligible to receive a certificate if you choose to exit the diploma program after one year. This route is appropriate for you if you are looking for a strong background in computer fundamentals, are retraining, or have graduated from other areas and wish to update your computer skills. To successfully complete the ITEC Certificate, students must:
  - Complete a minimum of ten approved courses
  - Obtain no more than one D or D+ grade
  - Attain a minimum GPA of 2.0.