



Name: _____

ID#: _____

Date Created: _____

Date Revised: _____

PROGRAM PLANNING GUIDE 2017 – 2018

Power Engineering 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

BLOCK ONE – September 7, 2017 – November 17, 2017		
COURSE	DATE	GRADE
<i>PLAB 116 - First Lab</i>		
<i>PLAC 111 - Field Placement</i> Prerequisite: C- grade in PLAB 116, POWE 141, POWE 142 & POWE 143 <u>and</u> valid First Aid with CPR, H2S Alive, and Confined Space Entry		
<i>POWE 141 - Introductory Mechanics & Thermodynamics</i>		
<i>POWE 142 - Safety</i>		
<i>POWE 143 - Introduction to Boilers</i>		
BLOCK TWO – November 20, 2017 – February 28, 2018		
<i>PLAB 117 - Second Lab</i> Prerequisite: C- grade in PLAB 116		
<i>POWE 146 - Introductory Prime Movers & Types of Plants</i>		
<i>POWE 147 - Introductory Electricity & Instrumentation</i>		
<i>POWE 148 - Refrigeration & Air Conditioning</i>		
BLOCK THREE – March 1, 2018 - May 16, 2018		
<i>PLAB 118 - Third Lab</i> Prerequisite: C- grade in PLAB 117		
<i>POWE 151 - Intermediate Mechanics & Thermodynamics</i> Prerequisite: C- grade in POWE 141		
<i>POWE 152 - Metallurgy</i> Prerequisite: C- grade in POWE 142		
<i>POWE 153 - Codes and Drawings</i>		
<i>POWE 154 - Intermediate Electricity & Instrumentation</i> Prerequisite: C- grade in POWE 147		

For more information or assistance with your program, please contact
Academic Advising at 403 529-3819

Last Updated April 3, 2017

Year Two

BLOCK FOUR – September 7, 2018 - December 21, 2018		
COURSE	DATE	GRADE
<i>PLAB 219 – Fourth Lab</i> Prerequisite: C- grade in PLAB 118 (or PLAB 201 – in special circumstances ONLY) and ABSA Fourth Class Certificate of Competency (or other regulatory body equivalent certificate)		
<i>POWE 260 – Intermediate Boilers</i> Prerequisite: C- grade in POWE 143		
<i>POWE 261 – Intermediate Prime Movers</i> Prerequisite: C- grade in POWE 146		
<i>POWE 262 – Water Treatment Special Equipment</i> Prerequisite: C- grade in POWE 143		
BLOCK FIVE – January 3, 2019 – April 25, 2019		
<i>POWE 265 – Advanced Boilers</i> Prerequisite: C- grade in POWE 260		
<i>POWE 266 – Advanced Pumps & Water Treatment</i> Prerequisite: C- grade in POWE 262		
<i>POWE 270 – Advanced Codes</i> Prerequisite: C- grade in POWE 153		
<i>POWE 271 – Plant Installation & Management</i>		
<i>POWE 272 – Advanced Mechanics</i> Prerequisite: C- grade in POWE 151		
<i>POWE 280 – Advanced Thermodynamics</i> Prerequisite: C- grade in POWE 151		
<i>POWE 281 – Advanced Metallurgy</i> Prerequisite: C- grade in POWE 152		

CONTINUATION REQUIREMENTS:

- Prerequisite grades must be C- or higher.

GRADUATION REQUIREMENTS:

- Obtain a minimum grade of C- in all POWE and PLAB courses
- Achieve mandatory 80% attendance of all POWE courses to write or pass the course final exams, regardless of the grade.
- Achieve mandatory 100% attendance in all lab courses (PLAB).

NOTES:

- PLAC 111(80 hour unpaid industrial work placement) is scheduled for the last two weeks of Block One of Year One.
 - Students are responsible for the cost of obtaining safety certification in Standard First Aid with CPR, H2S Alive, and Confined Space Entry *before* being eligible for PLAC 111 (Field Placement). Copies of these safety certificates must be on file with the PLAC 111 instructor by the date stated in the course outline.
- Current ABSA regulations:
 - Students may acquire a 4th class certificate after passing 4th class theory, completing the college-arranged field placement, and passing the ABSA 4th class exams.
 - Students are required to **independently** find three months of “Steam Time”, complete the two-year college program, and pass the ABSA 3rd class exam before a 3rd class certificate is awarded. 2nd class ABSA exams can be written after being awarded a 3rd class certificate.

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