


GROUND SCHOOL & SCHOLARSHIP BRIEFING


52 “City of Calgary” Air Cadet Sqn




THE PURPOSE OF GROUND SCHOOL

- ▶ It's mandatory for the Glider or Power Pilot Training Courses
 - ▶ To teach you the material necessary to be a pilot
 - ▶ To prepare you for Ground School on course
 - ▶ To prepare you for the Qualifying Exam
 - ▶ To prepare you for the Transport Canada Exam
 - ▶ You **must** score 60% on the TC exam
 - ▶ You are allowed 1 rewrite before you are RTU'd
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GLIDER PILOT TRAINING COURSE

- ▶ 6 week course (7 weeks if extended)
 - ▶ Requirements
 - ▶ Be 16 years old by September 1 of **next year**
 - ▶ Be in Grade 10 or higher
 - ▶ Height: 152.4cm to 190.5cm
 - ▶ Weight: 40.82kg to 90.72kg
 - ▶ Level 3 completed by the end of the training year
 - ▶ Be capable of “daily physical exertion” (running)
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POWER PILOT TRAINING COURSE


- ▶ 7 week course
 - ▶ Requirements
 - ▶ Be 17 years old by September 1 of **next year**
 - ▶ Be in Grade 11 or higher
 - ▶ **No height limitation**
 - ▶ Weight: No more than 111.13 kg
 - ▶ Level 4 completed by the end of the training year
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DO I NEED TO MEET THE REQUIREMENTS TO BE IN GROUND SCHOOL?

- ▶ All cadets may participate in ground school even if they do not meet the requirements for a course.
 - ▶ Early participation will help cadets become more familiar with the material if they wish to apply in the future
- ▶ Only those who meet the requirements will progress in the selection process




GROUND SCHOOL DETAILS

- ▶ The Ground School program is 11 weeks long
 - ▶ 10 weeks of lessons, 1 week of review
 - ▶ Cadets may choose to attend lessons, self-study, or both
 - ▶ Ground School runs from **Nov 1 – Jan 31**
 - ▶ The qualifying exam will be held **in person** **sometime between Feb 1-7**
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POTENTIAL COSTS BEFORE THE QUALIFYING EXAM

- ▶ **None of this is mandatory for Ground School**
- ▶ **Some of it may be mandatory if you are selected for GPTC/PPTC, but they may also loan you supplies**
- ▶ From the Ground Up textbook (\$90 new, \$20-40 used)
 - ▶ Old editions are fine except for changes to Air Law
- ▶ For Power, an E6B Flight Computer
 - ▶ Metal (~\$55) or cardboard (~\$20)
 - ▶ Unclear whether this will be tested. Assume it won't.
- ▶ We will not be arranging for purchase of these
- ▶ Try Calgary Pilot Supply
 - ▶ Ask if there is a cadet/student discount

POTENTIAL COSTS BEFORE THE QUALIFYING EXAM

- ▶ Category 3 Medical Certificate (\$150-250)
 - ▶ You must submit a copy of your medical by **May 16** if you apply for a course. **No late submissions are allowed.**
 - ▶ Book your exam with a CAME **EARLY**, there may be delays. Your exam booking should be no later than January to allow time for processing, postage, etc.
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POTENTIAL COSTS AFTER THE QUALIFYING EXAM


- ▶ A passport photo
 - ▶ Transport Canada exam and registration fee (~\$160)
 - ▶ These are only needed if you get the course
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HOW MANY CADETS CAN GO PER COURSE?

Squadron Size	Max # of Candidates	Max # of Selections
<40	2	1
41-80	3	2
81-120	4	3
121+	5	4

In reality, expect 1-2 selections per course at most

COURSE SELECTION PROCESS

1. Fill out the form to indicate your intention to apply for the GPTC, PPTC, or neither
 - ▶ You may not select both courses
 2. Complete Ground School
 3. Submit any other paperwork required for your application
 - ▶ e.g. Report cards
 4. Write the Qualifying Exam (Feb)
 - ▶ Passing grade is 50%
 5. Be selected by the squadron
 6. Mock Boards (practice interviews)
 7. Merit Review Boards (Feb-Apr)
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SELECTION FACTORS

- ▶ **See CJCR Group Order 8060-7 for full details**

- ▶ Qualifying Exam mark 40%

- ▶ File review 35%

 - ▶ Attendance

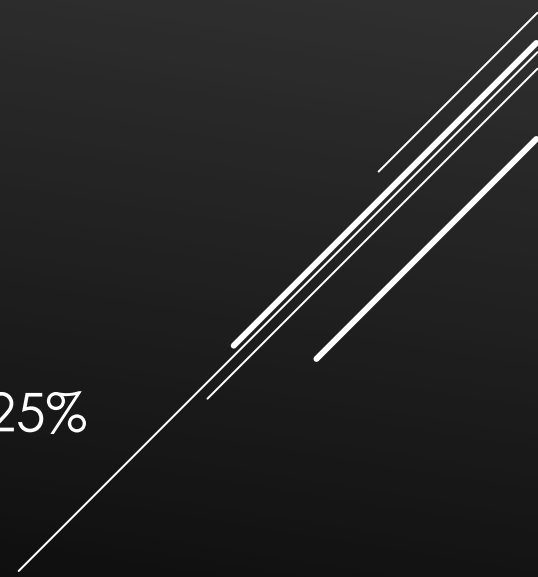
 - ▶ School marks

 - ▶ Rank/years in cadets


 - ▶ Previous summer camps/staff

 - ▶ Etc.


- ▶ Merit interview 25%



GROUND SCHOOL SUBJECTS

- ▶ Air Law
 - ▶ Navigation & Radio
 - ▶ Meteorology
 - ▶ Airframes and Systems
 - ▶ Theory of Flight
 - ▶ Flight Instruments
 - ▶ Flight Operations
 - ▶ Human Factors
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KEYS TO SUCCESS

- ▶ Do not procrastinate if you're doing self study
 - ▶ Take notes, even though the material is available online
 - ▶ Don't be shy about learning – use the resources available to you:
 - ▶ Read and reference the FTGU
 - ▶ Ask questions during classes
 - ▶ Ask instructors
 - ▶ Ask pilots in the squadron
 - ▶ Ask your friends
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