

## **TECHNOLOGY (Vocational)**

### **AVIATION**

The Commercial Pilot Aviation Ground School is designed to introduce the possibilities aviation holds for careers. Students will be introduced to the commercial pilot sector, air traffic control, airline management, meteorology, aircraft maintenance, and aeronautical engineering. The programme requires a minimum passing mark of 60% in all of the 8 required courses to earn a certificate. This program exceeds Transport Canada's minimum requirements for written exams. In addition to the courses listed below, a student must also take any three of the following:

one of Digital Photography 21 (PG21G)

Digital Photography 31 (PG 31G)

Digital Photography 41 (PG 41G)

one of Native Studies 21 (NS 21G)

Native Studies 31 (NS 31G)

Native Studies 41 (NS 41G)

Hardware Fundamentals 30S

Computer Science 30S

Computer Science 40S

### **IAV20S INTRODUCTION TO AVIATION GROUND SCHOOL 20S**

This course provides a general introduction to the following programme topics: aerodynamics, mechanics of aircraft, knowledge of air laws, meteorology, psychology of pilot decisions, human factors, and navigation.

### **CP30S COMMERCIAL PILOT: GROUND SCHOOL 30S**

Topics include aerodynamics, mechanics of aircraft, knowledge of air laws, meteorology, psychology of pilot decisions and human factors as they are related to commercial pilot activities.

### **MN30S METEOROLOGY & NAVIGATION 30S**

This course develops a more advanced understanding of meteorology and navigation as it relates to aviation activities.

### **SH40S SAFETY & HUMAN FACTORS 40S**

This course develops a more advanced understanding of the concepts related to first aid, the pilot and the operating environment, aviation psychology/pilot decision-making and aviation physiology, and human factors.

### **AAV40S ADVANCED AVIATION 40S**

Prerequisite: CP30S and MN30S

This course develops a more advanced understanding of aviation. Topics include: the principles of flight, navigation computers, pre-flight preparations, radio theory, automatic direction finder, global navigation satellite systems, radio/ radar aids, flight instruments and the use of performance charts.