



- 190105a – Air Brake System Fundamentals
- 190105b – Air Brake System Mechanical Components
- 190105cA – Truck / Tractor Air Brake System Components – Part A
- 190105cB – Truck / Tractor Air Brake System Components – Part B
- 190105d – Trailer Air Brake System Components
- 190105e – Air Brake System Testing and Service
- 190105f – Air Antilock Brake System Fundamentals
- 190402d – Air Antilock Brake Systems
- 190402e – Air Antilock Brake System Diagnosis
- 190402f – Hydraulic Antilock Brake Systems

**DELIVERY MODE(S):** In person delivery. Fairview Campus Only

Note: NWP reserves the right to change the course delivery.

**LEARNING OUTCOMES:**

**TRANSFERABILITY:** None.

**EVALUATIONS:**

**GRADING CRITERIA:**

Students must complete all required courses with a grade point average of no less than 2.7 and no failing (F) grades. A passing grade in this course is a **minimum of 70%**.

**Air Brakes** ..... **52 / 240 hours = 22 %**  
**of Semester 2 mark**

*Exams Average* = \_\_\_\_\_ x 45%

Class Assignments/Quizzes = \_\_\_\_\_ x 30%

*Shop Total* \_\_\_\_\_ x 25%

**HES231 VZ21 FINAL MARK = \_\_\_\_\_ %**

**COURSE SCHEDULE/TENTATIVE TIMELINE:**

- Fundamentals
- Mechanical Components
- Truck/Tractor Air-Brake System Components
- Trailer Air-Brake System Components
- Testing and Service
- Air Antilock Brake Systems
- Air Antilock Brake Diagnosis

**STUDENT RESPONSIBILITIES:** This is an adult education environment. Enrolment at Northwestern Polytechnic assumes that the student will become a responsible citizen of the College. As such, each student will display a positive work ethic, take pride in and assist in the maintenance and preservation of Institute property, and assume responsibility for his/her education by researching academic requirements and policies, demonstrating courtesy and respect toward others; and respecting instructor expectations concerning attendance, classroom and shop rules, safety, assignments, deadlines and appointments. Students are learning skills to prepare them for the work environment.

Following the guidelines in “Student Rights and Responsibilities” in the NWP College calendar assist us all in maintaining an adult learning environment. Please refer to the Student Rights and Responsibilities policy in the Northwestern Polytechnic Calendar or at [www.nwpolytech.ca/downloads/documents/StudentRightsandResponsibilities.pdf](http://www.nwpolytech.ca/downloads/documents/StudentRightsandResponsibilities.pdf).

Students are expected to attend all class and shop hours. Students who miss more than 21 hours or 3 days of classes may be removed from the course.

**STATEMENT ON PLAGIARISM AND CHEATING:**

Cheating and plagiarism will not be tolerated and there will be penalties. For a more precise definition of plagiarism and its consequences, refer to the Student Conduct section of the Northwestern Polytechnic Calendar at <https://www.nwpolytech.ca/programs/calendar/> or the Student Rights and Responsibilities policy which can be found at <https://www.nwpolytech.ca/about/administration/policies/index.html>.

\*\*Note: all Academic and Administrative policies are available on the same page.

**Additional Information (Optional):**