

**J. Sargeant Reynolds Community College  
Course Content Summary**

**Course Prefix and Number: DSL 154**

**Credits: 3**

**Course Title:** Power Trains II

**Course Description (including lecture hours, lab hours, total contacts)**

Focuses on manual, hydrostatic, and heavy-duty automatic transmissions. Examines various types of power trains and their components, such as multidisc clutch, multi-speed transmissions, torques, drive lines, and differentials. Includes disassembly and assembly of various components. Part II of II. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

**Course Prerequisites/Corequisites** (*Entry-level competencies **required** for enrollment*)

None

**Course Objectives** (Each item should complete the following sentence.)

Upon completing the course, the student will be able to:

- a. Identify transmission types and perform maintenance
- b. Identify torque types and perform maintenance and repairs
- c. Perform proper service and maintenance procedures

**Major Topics to be Included**

- a. Hydrostatic and automatic heavy-duty transmissions
- b. Torques
- c. Maintenance and procedures

**Effective Date of Course Content Summary (Month, Date Year):** 2/12/09