

AUTOMOTIVE TECHNOLOGY – BRAKE SYSTEMS
College Credit and Careers Network
Dual Credit Articulation Agreement

Upon completion of high school courses equivalent to the following competencies:

- List and describe principles of hydraulics and electronics as they relate to brake systems
- List construction and identify components of typical brake systems
- List and describe the geometry and measurements of most types of brake systems
- Analyze brake noises and vibrations
- Remove and replace typical brake system components using the proper tools and techniques
- Use shop equipment dealing with brake systems, including measuring tools, brake lathes, cleaning equipment and ABS scanners
- Make brake system measurements, corrections and repairs as necessary
- Apply the knowledge of hazardous material laws and processes to brake systems, the student's training and future employment
- Apply the knowledge of safety laws and common sense safety while working on brake systems and while lifting the vehicle
- Demonstrate communication and customer relation skills needed to interact professionally with employers, customers and fellow workers while working on brake systems
- Perform damage and defective parts analysis on common brake systems

A student earning a "B" or better may earn college credit at the following college:

<u>College</u>	<u>Course</u>	<u>Credits</u>
Lake Washington Technical College	AUTO 140	10