

**Eastern WV Community & Technical College  
Master Course Record**

<b>Course Prefix and Number: ATT 105</b>
<b>Course Title: Braking Systems</b>
<b>Recommended Transcript Title: Braking Systems</b>
<b>Date Approved/Revised: 11/14/08; 11/18/13; 09/21/15</b>
<b>Credit Hours: 4</b> <b>Contact hours per week (Based on 15 week term):</b> <b>Lecture: 3</b> <b>Lab: 3</b>
<b>Prerequisite:</b> <b>Corequisite:</b> <b>Pre/Corequisite:</b>
<b>Grading Mode: Letter grade</b>
<b>Catalog Description:</b> This course introduces the student to diagnosis and repair of master cylinders, brake lines and fittings, brake drums, rotors, calipers, power assist units, bearings and bearing assemblies, indicators and anti-lock brake systems. Students learn general braking system maintenance including the replacement/adjustment of fluids, cables, rotors and pads.
<b>Course Outcomes:</b> <b>Students will learn;</b> <ul style="list-style-type: none"> <li>• Parts of breaking systems on various automobiles</li> <li>• How to work safely while removing or installing breaking components</li> <li>• How to use electronic mechanisms to determine braking problems</li> <li>• How to diagnose various braking troubles and suggest repairs</li> <li>• How to remove and install new or inspected components in braking systems</li> <li>• What is normal wear and is acceptable to return to service</li> <li>• How to read and understand maintenance bulletins and factory recall forms</li> <li>• To be comfortable and confident in their analysis and repair of braking systems</li> </ul>
<b>Implementation Cycle: Fall</b>
<b>Role in College Curriculum: (Check all that apply)</b> <input type="checkbox"/> General Education Core (Specify category) <input checked="" type="checkbox"/> <b>Technical Core: Automotive Technology</b> <input type="checkbox"/> Restricted Elective (Specify category) <input type="checkbox"/> General Elective <input type="checkbox"/> Workforce Education <input type="checkbox"/> Other (Please specify)
<b>Course Fee: Yes</b>
<b>Instructor's Qualifications: BS Automotive Technology or related discipline and/or expertise and experience in the field.</b>
<b>Expanded Course Description:</b> <b>This course introduces the student to diagnosis and repair of master cylinders, brake lines and fittings, brake drums, rotors, calipers, power assist units, bearings</b>

Course Number &amp; Title: ATT 105-Braking Systems

Date Prepared: 11/11/08; 11/18/13; 03/16/15; 06/10/15

Submitted to LOT: 11/11/08; 11/18/13

Date Course Approved by LOT: 11/14/08; 11/18/13; 04-20-15; 09/21/15

**and bearing assemblies, indicators and antilock brake systems. Students learn general braking system maintenance including the replacement/adjustment of fluids, cables, rotors and pads.**

Prepared by:

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Name, Title

Doug Swick

03/16/15; 06/10/15

\_\_\_\_\_  
Date

Approved Per LOT Minutes

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Dean, Academic and Student Services

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Date

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