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## COURSE DESCRIPTIONS BY COURSE DISCIPLINE PREFIX

### ADV AUTO ELECTRICITY

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<b>AUT-163</b>	<b>Adv Auto Electricity</b>	<b>3 (2-3)</b>	<b>Spring Fall</b>
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**Prerequisites:** TRN-120<sup>S</sup>

**Corequisites:**

This course covers electronic theory, wiring diagrams, test equipment, and diagnosis, repair, and replacement of electronics, lighting, gauges, horn, wiper, accessories, and body modules. Topics include networking and module communication, circuit construction, wiring diagrams, circuit testing, and troubleshooting. Upon completion, students should be able to properly use wiring diagrams, diagnose, test, and repair wiring, lighting, gauges, accessories, modules, and electronic concerns. (2007 FA)

### AUTO TRANSM/TRANSAXLES

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<b>AUT-221</b>	<b>Auto Transm/Transaxles</b>	<b>3 (2-3)</b>	<b>Summer</b>
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**Prerequisites:** TRN-120<sup>L</sup>

**Corequisites:**

This course covers operation, diagnosis, service, and repair of automatic transmissions/transaxles. Topics include hydraulic, pneumatic, mechanical, and electrical/electronic operation of automatic drive trains and the use of appropriate service tools and equipment. Upon completion, students should be able to explain operational theory, diagnose and repair automatic drive trains. (2007 FA)

### AUTOMOTIVE SERVICING I

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<b>AUT-113</b>	<b>Automotive Servicing I</b>	<b>2 (0-6)</b>	<b>AND</b>
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**Prerequisites:** AUT-141<sup>L</sup>, AUT-141A<sup>L</sup>, TRN-140<sup>L</sup>, TRN-140A<sup>L</sup>

**Corequisites:**

This course is a lab used as an alternative to co-op placement. Emphasis is placed on shop operations, troubleshooting, testing, adjusting, repairing, and replacing components using appropriate test equipment and service information. Upon completion, students should be able to perform a variety of automotive repairs using proper service procedures and to operate appropriate equipment. (2007 FA)

### BRAKE SYSTEMS

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<b>AUT-151</b>	<b>Brake Systems</b>	<b>3 (2-3)</b>	<b>Spring</b>
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**Prerequisites:** AUT-151A<sup>L</sup>

**Corequisites:**

This course covers principles of operation and types, diagnosis, service, and repair of brake systems. Topics include drum and disc brakes involving hydraulic, vacuum boost, hydra-boost, electrically powered boost, and anti-lock and parking brake systems. Upon completion, students should be able to diagnose, service, and repair various automotive braking systems. (2007 FA)



