

---

**COURSE DESCRIPTIONS BY  
COURSE DISCIPLINE PREFIX**

**AUTOMOTIVE**

---

**AJF113**

**Automotive Service I**

**-**

**AND**

**AUT-141** Suspension Steering L 1 -3 F  
Summer

Free unit  
Core unit  
None  
AUT-141<sup>S</sup>

This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics include manual and power steering systems and standard and electronically controlled suspension and steering systems. Upon completion, students should be able to service and repair steering and suspension components, check and adjust alignment angles, repair tires, and balance wheels.(2007 FA)

**AUT-151** Br eS tem 3 -3 S rin

Free unit  
Core unit  
TRN-110<sup>L</sup>  
AUT-151A<sup>L</sup>

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)

**AUT-151A** Br eS temL 1 -3 S rin

Free unit  
Core unit  
TRN-110<sup>L</sup>  
AUT-151<sup>S</sup>

This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics include drum and disc brakes involving hydraulic, vacuum-boost, hydra-boost, electrically powered boost, and anti-lock, parking brake systems and emerging brake systems technologies. Upon completion, students should be able to diagnose, service, and repair various automotive braking systems.(2007 FA)

**AUT-120** AvAtbEedrit 3 -3 F  
S rin

Free unit  
Core unit  
TRN-120<sup>S</sup>  
None

<b>AJFI 1</b>	<b>EnireProgramae1</b>	<b>3 -3</b>	<b>F</b> <b>Srin</b>
<b>Pre u.ite</b>	None		
<b>Core u.ite</b>	None		

This course covers the introduction, theory of operation, and basic diagnostic procedures required to None