Auto IT for Transportation  
(877110) .5 Cr.  
PREREQUISITES: None  
DESCRIPTION: Modern vehicles use on-board computers to control just about every function from accident avoidance to video navigation. Communication between computers is handled over sophisticated networks. The modern toolbox is not only filled with computer-based tools, it is likely to have a PC on it or in it and is likely to be networked to the rest of the shop and the internet. Today’s automotive technician needs a thorough understanding of PC’s, networks, synchronizing PDAs and operating systems. This course covers IT topics the modern technician is likely to encounter such as hardware and software installations, implementing a peer-to-peer network, and troubleshooting hardware, software and network failures. Taught as a contracted service class by Gateway Technical College instructors at the Horizon Center for Transportation. Students also earn 2 Gateway credits upon successful completion.

Auto Service Fundamentals  
(877210) .5 Cr.  
PREREQUISITES: Auto IT for Transportation (877110)  
DESCRIPTION: This automotive course focuses on developing skills in professionalism, safety and the use of basic hand and power tools in accordance with industry standards. Students are introduced to the automotive service industry and learn to use both comprehensive and manufacturer’s service information to perform basic under-hood and under-car services. Taught as a contracted service class by Gateway Technical College instructors. Students also earn 2 Gateway credits upon successful completion.

Brake Systems  
(879110) ¾ Cr.  
PREREQUISITES: Auto Service Fundamentals (877210)  
DESCRIPTION: This automotive course focuses on developing the skills needed to diagnose, service and repair vehicle braking systems with an introduction to anti-lock braking systems (ABS). Taught as a contracted service class by Gateway Technical College instructors. Students also earn 3 Gateway credits upon successful completion.