

AUTO SERVICE & REPAIR

CERTIFICATE/ASSOCIATE IN APPLIED SCIENCE (AAS) DEGREE

DESCRIPTION: This one-year certificate program prepares the successful graduate for a number of entry-level employment positions in the automotive service field. By working with his/her academic advisor, successful certificate graduates can study additional time to become master certified and/or earn an associate degree.

COURSE REQUIREMENTS CREDITS: 36

AUT 119	AUTOMOTIVE BRAKE SYSTEMS (5/8)
AUT 122	AUTOMOTIVE AIR, FUEL & EMISSIONS SYSTEMS (4/6)
AUT 123	AUTO SUSPENSION, STEERING & ALIGNMENT (5/8)
AUT 124	AUTO ELECTRICAL & ELECTRONICS SYSTEMS I (5/8)
AUT 125	AUTO ELECTRICAL & ELECTRONICS SYSTEMS II (5/8)
AUT 201	COMPUTERIZED ENGINE CONTROLS (4/6)
AUT 202	ENGINE PERFORMANCE DIAGNOSIS & TUNE-UP (5/8)
AUT 205	AUTO CLIMATE CONTROL (3/4)

MASTER CERTIFICATE REQUIREMENTS CREDITS: 10

AUT 209	AUTOMOTIVE TRANSMISSIONS & DRIVE TRAINS (5/8)
AUT 221	ENGINE REPAIR & OVERHAUL (5/8)

AAS PROGRAM COURSES CREDITS: 14-17

ENG 120 <i>or</i>	APPLIED COMMUNICATION (3/3) <i>or</i>
ENG 111	ENGLISH COMPOSITION I (3/3)
ENG 123 <i>or</i>	TECHNICAL COMMUNICATION (3/3) <i>or</i>
ENG 112	ENGLISH COMPOSITION II (3/3)
MTH 110 <i>or</i>	TECHNICAL MATH (3/4) <i>or</i>
MTH 113 <i>or</i>	INTERMEDIATE ALGEBRA (4/4) <i>or</i>
MTH 115	APPLIED ALGEBRA & TRIGONOMETRY (5/6)
PLS 221	AMERICAN GOVERNMENT & POLITICS (3/3) GENERAL ELECTIVE (2-3/2-4)

MINIMUM 36 CREDIT HOURS/56 CONTACT HOURS (CERTIFICATE)

MINIMUM 60 CREDIT HOURS/87 CONTACT HOURS (AAS)

NOTES:

An Associate in Applied Science (AAS) degree can be earned by completing the Master Certificate and adding the ASS Program Courses.

Tool Requirements: Students are required to provide their own safety equipment, work clothes, and basic hand tool set. A list is provided. Estimated cost is \$1,000 to \$2,500. Special student discounts and deferred payment programs are available. A quality set of hand tools is required for future employability.

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SUGGESTED SEQUENCE OF COURSES

YEAR 1 (FALL SEMESTER)

AUT 119	AUTOMOTIVE BRAKE SYSTEMS (5/8)	CREDITS: 15
AUT 123	AUTO SUSPENSION, STEERING & ALIGNMENT (5/8)	
AUT 124	AUTO ELECTRICAL & ELECTRONICS SYSTEMS I (5/8)	

YEAR 1 (SPRING SEMESTER)

AUT 125	AUTO ELECTRICAL & ELECTRONICS SYSTEMS II (5/8)	CREDITS: 14
AUT 201	COMPUTERIZED ENGINE CONTROLS (4/6)	
AUT 202	ENGINE PERFORMANCE DIAGNOSIS & TUNE-UP (5/8)	

YEAR 1 (SUMMER SEMESTER)

AUT 205	AUTOMOTIVE CLIMATE CONTROL (3/4)	CREDITS: 7
AUT 122	AUTOMOTIVE, FUEL & EMISSIONS SYSTEMS (4/6)	

YEAR 2 (FALL SEMESTER)

AUT 221	ENGINE REPAIR & OVERHAUL (5/8)	CREDITS: 11-13
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ENG 120 *or* TECHNICAL COMMUNICATION (3/3) *OR*
ENG 111 ENGLISH COMPOSITION I (3/3)

MTH 110 *or* TECHNICAL MATH (3/4) *OR*
MTH 113 *or* INTERMEDIATE ALGEBRA (4/4) *OR*
MTH 115 APPLIED ALGEBRA & TRIGONOMETRY (5/6)

YEAR 2 (SPRING SEMESTER)

AUT 209	AUTO TRANSMISSIONS & DRIVE TRAINS (5/8)	CREDITS: 13-14
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ENG 123 *or* TECHNICAL COMMUNICATION (3/3) *or*
ENG 112 ENGLISH COMPOSITION II (3/3)

PLS 221 AMERICAN GOVERNMENT & POLITICS (3/3)
GENERAL ELECTIVE (2-3/2-3)

[Gainful Employment information for Auto Service & Repair Basic](#)

[Gainful Employment information for Auto Service & Repair Master](#)