

AUTOMOTIVE 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: 40

AUT 118	AUTOMOTIVE FUNDAMENTALS (4/6)
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: 12-14

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 <i>or</i>	AMERICAN GOVERNMENT REQUIREMENT (3/3)
PLS 222 <i>or</i>	
HST 221 & HST 222	

MINIMUM 40 CREDIT HOURS/62 CONTACT HOURS (CERTIFICATE)

MINIMUM 62 CREDIT HOURS/91 CONTACT HOURS (AAS)

NOTES:

An Associate in Applied Science (AAS) degree can be earned by completing the Master Certificate and adding the AAS 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) CREDITS: 19

AUT 118	AUTOMOTIVE FUNDAMENTALS (4/6)
AUT 119	AUTOMOTIVE BRAKE SYSTEMS (5/8)
AUT 123	AUTO SUSPENSION, STEERING & ALIGNMENT (5/8)
AUT 124	AUTO ELECTRICAL & ELECTRONICS SYSTEMS I (5/8)

YEAR 1 (SPRING SEMESTER) CREDITS: 14

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)

YEAR 1 (SUMMER SEMESTER) CREDITS: 7

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

YEAR 2 (FALL SEMESTER) CREDITS: 11-13

AUT 221	ENGINE REPAIR & OVERHAUL (5/8)
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ENG 120 <i>or</i>	TECHNICAL COMMUNICATION (3/3) <i>OR</i>
ENG 111	ENGLISH COMPOSITION I (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)

YEAR 2 (SPRING SEMESTER) CREDITS: 11

AUT 209	AUTO TRANSMISSIONS & DRIVE TRAINS (5/8)
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ENG 123 <i>or</i>	TECHNICAL COMMUNICATION (3/3) <i>or</i>
ENG 112	ENGLISH COMPOSITION II (3/3)

PLS 221 <i>or</i>	AMERICAN GOVERNMENT REQUIREMENT (3/3)
PLS 222 <i>or</i>	
HST 221 & HST 222	