

AUTOMOTIVE SERVICE & REPAIR

CERTIFICATE

DESCRIPTION: This is the first level, one-year Vocational Certificate. It prepares the student for entry-level work in automotive brakes, suspension, electrical systems, engine performance, climate control, and hybrid / electric vehicles.

CERTIFICATE REQUIREMENTS CREDITS: 44

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)
AUT 207	HYBRID ELECTRIC VEHICLES (4/6)

MINIMUM 44 CREDIT HOURS/68 CONTACT HOURS

NOTES:

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.

AUTOMOTIVE SERVICE & REPAIR

CERTIFICATE

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: 18

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	AUTOMOTIVE CLIMATE CONTROL (3/4)

YEAR 1 (SUMMER SEMESTER) CREDITS: 8

AUT 122	AUTOMOTIVE, FUEL & EMISSIONS SYSTEMS (4/6)
AUT 207	HYBRID ELECTRIC VEHICLES (4/6)

AUTOMOTIVE SERVICE & REPAIR

MASTER CERTIFICATE

DESCRIPTION: This master certificate program continues beyond the basic certificate with the addition of engine repair & automotive transmission / driveline courses. Completion of this certificate will cover all ASE categories that would be required for a Master ASE certification

CERTIFICATE REQUIREMENTS CREDITS: 54

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)
AUT 207	HYBRID ELECTRIC VEHICLES (4/6)
AUT 209	AUTOMOTIVE TRANSMISSIONS & DRIVE TRAINS (5/8)
AUT 221	ENGINE REPAIR & OVERHAUL (5/8)

MINIMUM 54 CREDIT HOURS/84 CONTACT HOURS

NOTES:

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.

AUTOMOTIVE SERVICE & REPAIR

MASTER CERTIFICATE

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: 18

AUT 122	AUTOMOTIVE, FUEL & EMISSIONS SYSTEMS (4/6)
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 205	AUTOMOTIVE CLIMATE CONTROL (3/4)
AUT 207	HYBRID ELECTRIC VEHICLES (4/6)

YEAR 2 (FALL SEMESTER) CREDITS: 5

AUT 221	ENGINE REPAIR & OVERHAUL (5/8)
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YEAR 2 (SPRING SEMESTER) CREDITS: 5

AUT 209	AUTOMOTIVE TRANSMISSION & DRIVE TRAINS (5/8)
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