

Agreement Signed August 29, 2014
Automotive Technology (General, Electric/Hybrid Vehicle, Light-Duty Diesel Option)

Course Transfer Matrix for the
Bachelor of Science in Automotive Technology
at Southern Illinois University - Carbondale

Associate of Applied Science Automotive Technology		
General, Electric/Hybrid Vehicle, Light-Duty Diesel Options		
General Education Courses		
COM 101*	English Composition I	3
MAT 115	College Algebra	3
COM 111	Oral Communication	3
PHY 101/102 *	College Physics w/ Lab	4
PSC 101/HST 110*	Social Science Elective (3 hours must be completed at State Technical College of Missouri)*	3
		3
COM 290	Intro to Theatre	3
CPP 101 or CPP 102	Introduction to Microcomputer Usage or Advanced Microcomputer Usage	3
General Education Hours		18
Program Requirements		
AMT 101	Automotive Electrical/Electronics I	4
AMT 120	Project Management	3
AMT 145	Automotive Engine Mechanical	5
AMT 205	Automotive Braking Systems	4
AMT 205	Automotive Suspension and Steering	4
AMT 253	Automotive Drivetrains and Axles	9
COM 125	Job Search Strategies	1
Program Core Hours		30
General Option		
AMT 138	Automotive Electrical/Electronics II	6
AMT 207	Heating/Air Conditioning	5
AMT 214	Automotive Electrical/Electronics III	9
Program Elective Hours		20
Electric/Hybrid Vehicle Option		
AMT 138	Automotive Electrical/Electronics II	6
or		
AMT 243	Light-Duty Diesel Engines and Control Systems	6
AMT 207	Heating/Air Conditioning	5
AMT 214	Automotive Electrical/Electronics III	9
AMT 270	Electric/Hybrid Drive Systems	6
Program Elective Hours		26

Bachelor of Science Automotive Technology		
Capstone Option		
General Education Courses		
ENGL101	Composition I	T
MATH 101 or MATH 110	Contemporary Mathematics or Non-Technical Calculus	T
SPCM 101	Speech Communications	T
PHYS 101	Physics that Changed World	T
LIFE SCIENCE, GRP II-3		3
HUMANITIES-3		3
POLS 114	Intro American Politics	T
HIST 110	20th Century America	T
THEA 101		T
MULTICULTURAL		3
GENL ELECTIVE		T
General Education Hours		9
Program Requirements		
Automotive Technology (AUT) - 79 Hours		
The AAS in Automotive Technology as articulated is accepted as satisfying all 100-200 automotive requirements listed below. Students transferring without the AAS Degree will have their coursework evaluated on a course-by-course basis.		
AUT 120	Automotive Electrical Principles	T
AUT 150	Internal Combustion Engine Principles	T
AUT 170	Automotive Powertrain Electronics	T
AUT 180	Manual Drivetrains	T
AUT 215	Automotive Braking Systems	T
AUT 216	Auto Suspension and Steering Systems	T
AUT 240	Engine Management I	T
AUT 250	Engine Management II	T
AUT 280	Automotive Air Conditioning systems	T
Program Core Hours		36

Agreement Signed August 29, 2014
Automotive Technology (General, Electric/Hybrid Vehicle, Light-Duty Diesel Option)

Light-Duty Diesel Option		
AMT 207	Heating/Air Conditioning	5
AMT 214	Automotive Electrical/Electronics III	9
AMT 243	Light-Duty Diesel Engines and Control Systems	6
WLT 128 or WLT 151	Basic Welding or ACT Welding	3
Program Elective Hours		23
Program Core and at least one of the listed Option Requirements must be met.		
*Denotes course student must complete at State Technical College of Missouri		
COM 101 must be passed with a "C" or better		
General Education Hours		19
Program Core Hours		30
Program Elective Hours		20-26
Total Credit Hours		69-75

Program Electives		
	300+ level Automotive Program Core Electives	15
	300+ level Business Management Electives	15
	300+ level Supporting Electives	13
Program Core and Elective Hours		43
General Education Hours		9
Program Core Hours		15
Program Elective Hours		28
Total Credit Hours Remaining		52