



TRANSPORTATION, DISTRIBUTION AND LOGISTICS PROGRAMS - CATALOG YEAR 2014 - 2015

Find the Right Educational Degree Plan

There are two distinctly different ways to pursue your education at HCC. Each pattern has its own particular purpose, and its own advantages and disadvantages. Read the descriptions carefully to make an informed choice. You must choose one of the two following patterns: The *Academic Transfer* pattern of education **OR** The *Workforce Career* pattern of education. For more information, visit our [College and Career Planner Guide](#).

WORKFORCE CAREERS

AUTOMOTIVE TECHNOLOGY

Automotive Technician - AAS	2
Automotive Technician - Certificate Level I	3
Light Automotive Maintenance Technician - MSA	4
Autobody/Collision Repair Technician - Certificate Level I	5

HEAVY VEHICLE AND TRUCK REPAIR

Heavy Vehicle and Truck Repair - Certificate Level I	6
Diesel Preventative Maintenance - MSA	7

LOGISTICS (See *Business Programs-Business Administration*)

Updated:		HOUSTON COMMUNITY COLLEGE SYSTEM					Page 1 of 1			
___ FA ___ VA		EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION								
NAME:		SID#:		TEL#:		EMAIL:		DATE:		
COLLEGE:		COU/ADV:		TEL#:		EMAIL:		CAT YR: 8/15/14-8/14/15		
AUTOMOTIVE TECHNOLOGY - AUTOMOTIVE TECHNICIAN - AAS										
HCCS Course Requirement		cr	Transfer	Substitute	Substitute (SU)	Term	Credits	Grade	Approval	Date
		hr	Institution	Course	Transfer (TR)	Comment/Disapproval		Signature		
TSI testing is required prior to first enrollment.										
FIRST YEAR										
FIRST SEMESTER		14								
LEAD 1200	Workforce Development with Critical Thinking	2								
AUMT 1305	Introduction to Automotive Technology	3								
AUMT 1310	Automotive Brake Systems	3								
AUMT 1316	Suspension and Steering	3								
AUMT 2328	Automotive Service	3								
SECOND SEMESTER		16								
AUMT 1345	Automotive Heating and Air-Conditioning	3								
AUMT 2437	Automotive Electronics	4								
AUMT 2321	Automotive Electrical Lighting and Accessories	3								
AUMT 1307	Automotive Electrical Systems	3								
XXXX #3##	Math/Natural Science General Ed. Elective	3								
THIRD SEMESTER		12								
AUMT 2317	Automotive Engine Performance Analysis I	3								
AUMT 2334	Automotive Engine Performance Analysis II	3								
AUMT 1319	Automotive Engine Repair	3								
AUMT 1306	Automotive Engine Removal and Installation	3								
SECOND YEAR										
FIRST SEMESTER		14								
AUMT 2325	Automatic Transmission and Transaxle	3								
AUMT 2209	Manual Drive Train and Axle Theory	2								
AUMT 2223	Theory of Automotive Transmissions	2								
AUMT 2313	Manual Drivetrain and Axles	3								
AUMT 2455	Automotive Engine Machining	4								
SECOND SEMESTER		15								
SPCH 1311	Fundamentals of Speech	3								
ENGL 1301	Composition I	3								
XXXX #3##	Social/Behavioral Science General Ed. Elective	3								
XXXX #3##	Humanities/Fine Arts General Ed. Elective	3								
AUMT 2380	Cooperative Education - Auto/Automotive									
	Mechanic/Technician	3								
PROGRAM TOTAL		71								

**HOUSTON COMMUNITY COLLEGE SYSTEM
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AUTOMOTIVE TECHNOLOGY - AUTOMOTIVE TECHNICIAN - CERTIFICATE: LEVEL I

HCCS Course Requirement	cr	Transfer	Substitute	Substitute (SU)	Term	Credits	Grade	Approval	Date
TSI testing is required prior to completion of first enrollment.									
FIRST YEAR									
FIRST SEMESTER	14								
LEAD 1200 Workforce Development with Critical Thinking	2								
AUMT 1305 Introduction to Automotive Technology	3								
AUMT 1310 Automotive Brake Systems	3								
AUMT 1316 Suspension and Steering	3								
AUMT 2328 Automotive Service	3								
SECOND SEMESTER	13								
AUMT 1307 Automotive Electrical Systems	3								
AUMT 1345 Automotive Heating and Air-Conditioning	3								
AUMT 2437 Automotive Electronics	4								
AUMT 2321 Automotive Electrical Lighting and Accessories	3								
THIRD SEMESTER	15								
AUMT 2317 Engine Performance Analysis I	3								
AUMT 2334 Engine Performance Analysis II	3								
AUMT 1319 Automotive Engine Repair	3								
AUMT 1306 Automotive Engine Removal and Installation	3								
AUMT 1380 Cooperative Education - Auto/Automotive Mechanic/Technician	3								
PROGRAM TOTAL	42								

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AUTOMOTIVE TECHNOLOGY - AUTOBODY/COLLISION REPAIR TECHNICIAN - CERTIFICATE: LEVEL I

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
FIRST YEAR									
FIRST SEMESTER	14								
LEAD 1200 Workforce Development with Critical Thinking	2								
ABDR 1441 Structural Analysis and Damage Repair I	4								
ABDR 1431 Basic Refinishing	4								
ABDR 1207 Auto Body Welding	2								
ABDR 1215 Vehicle Trim and Hardware	2								
SECOND SEMESTER	12								
ABDR 1458 Intermediate Refinishing	4								
ABDR 1442 Structural Analysis and Damage Repair II	4								
ABDR 2441 Major Collision Repair and Panel Replacement	4								
THIRD SEMESTER	12								
ABDR 2449 Advanced Refinishing	4								
ABDR 1291 Special Topics in Auto/Automotive Body Repairer	2								
ABDR 2431 Structural Analysis and Damage Repair III	4								
ABDR 1280 Cooperative Education- Autobody/Collision and Repair Technology/Technician	2								
PROGRAM TOTAL	38								

Updated:
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HOUSTON COMMUNITY COLLEGE SYSTEM EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION

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HEAVY VEHICLE AND TRUCK REPAIR - CERTIFICATE: LEVEL I

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
TSI testing is required prior to completion of first enrollment.									
FIRST SEMESTER	14								
LEAD 1200 Workforce Development with Critical Thinking	2								
DEMR 1301 Shop Safety and Procedures	3								
DEMR 1317 Basic Brake Systems	3								
DEMR 1310 Diesel Engine Testing and Repair I	3								
DEMR 2312 Diesel Engine Testing and Repair II	3								
SECOND SEMESTER	13								
DEMR 1305 Basic Electrical Systems	3								
DEMR 2332 Electronic Controls	3								
DEMR 2439 Advanced Electrical Systems	4								
DEMR 1323 Heating, Ventilation, and Air Conditioning (HVAC) Troubleshooting and Repair	3								
THIRD SEMESTER	15								
DEMR 1329 Preventative Maintenance	3								
DEMR 1316 Basic Hydraulics	3								
DEMR 1330 Steering and Suspension I	3								
DEMR 1342 Power Train Applications I	3								
DEMR 1381 Cooperative Education-Diesel Mechanics Technology/Technician	3								
PROGRAM TOTAL	42								

