



COE – AUTOMOTIVE PROGRAMS - CATALOG YEAR 2017 - 2018

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](#).

AUTOMOTIVE TECHNOLOGY

Automotive Technician - AAS	2-3
Automotive Technician - Certificate: Level I	4
Light Automotive Maintenance Technician - Occupational Skills Award	5
Autobody/Collision Repair Technician - Certificate: Level I	6

HEAVY VEHICLE AND TRUCK REPAIR

Heavy Vehicle & Truck Repair - Certificate: Level I	7
Heavy Vehicle & Truck Repair - Diesel Preventative Maintenance - Occupational Skills Award	8

**HOUSTON COMMUNITY COLLEGE SYSTEM
EDUCATIONAL PLAN/TRANSFER SUBSTITUTION PETITION**

___ FA ___ VA

NAME:	SID#:	TEL#:	EMAIL:	DATE:
COLLEGE:	COU/ADV:	TEL#:	EMAIL:	CAT YR: 8/15/17-8/14/18

AUTOMOTIVE TECHNOLOGY - AUTOMOTIVE TECHNICIAN - AAS

HCCS Course Requirement	cr	Transfer	Substitute	Substitute (SU)	Term	Credits	Grade	Approval	Date
TSI testing is required prior to first enrollment.									
FIRST YEAR									
FIRST SEMESTER									
EDUC 1300 Learning Framework ^A	3								
AUMT 1305 Introduction to Automotive Technology	3								
AUMT 2328 Automotive Service	3								
AUMT 1310 Automotive Brake Systems	3								
AUMT 1316 Automotive Suspension and Steering Systems	3								
SEMESTER TOTAL	15								
SECOND SEMESTER									
AUMT 1307 Automotive Electrical Systems	3								
AUMT 1345 Automotive Climate Control Systems	3								
AUMT 2321 Automotive Electrical Diagnosis and Repair	3								
AUMT 2317 Automotive Engine Performance Analysis I	3								
XXXX #3## Math/Natural Science Elective ^B	3								
SEMESTER TOTAL	15								
SECOND YEAR									
FIRST SEMESTER									
ENGL 1301 Composition I	3								
AUMT 2313 Manual Drivetrain and Axles	3								
AUMT 1306 Automotive Engine Removal and Installation	3								
AUMT 2325 Automatic Transmission and Transaxle	3								
AUMT 2334 Automotive Engine Performance Analysis II	3								
SEMESTER TOTAL	15								
(Continued on Page 2)									

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AUTOMOTIVE TECHNOLOGY - AUTOMOTIVE TECHNICIAN - AAS

HCCS Course Requirement <i>(Contued from page 1)</i>	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
SECOND SEMESTER									
XXXX #3## General Education Elective ^{E*}	3								
XXXX #3## Social/Behavioral Sciences Elective ^D	3								
AUMT 1319 Automotive Engine Repair	3								
XXXX #3## Humanities/Fine Arts Elective ^C	3								
AUMT 2380 Cooperative Education - Auto/Automotive Mechanic/Technician [#]	3								
SEMESTER TOTAL	15								
PROGRAM TOTAL	60								
# CAPSTONE COURSE									

- A. **Student Success Course:** Students are required to complete **EDUC 1300** within their first 12 semester credit hours of instruction. Students enrolling at HCC with 12 or more hours completed should consult with an academic advisor to select an appropriate course substitution.
 - B. **Math/Natural Science: *May choose from*** – ANTH 2301 (with or without 2101 = lab), 2302, ASTR 1303, 1304, 1403, 1404, BIOL 1308, 1309, 1322, 1406, 1407, (2301, 2302 – restricted to *Engineering, Science, and Health Sciences majors*), CHEM 1305, 1405, 1411, 1412, COSC 1436, GEOG 1301, GEOL 1305, 1345, 1347, 1403, 1404, MATH 1314, 1316, 1324, 1325, 1332, 1342, 1350, 2318, 2320, 2412, 2413, 2414, 2415, PHYS 1305, 1401, 1402, 2325 (with or without 2125= lab), 2326 (with or without 2126 = lab), PSYC 2317.
 - C. **Humanities/Fine Arts: *May choose from*** – ARTS 1301, 1303, 1304, COMM 2366, DANC 2303, DRAM 1310, 2316, 2366, ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2342, 2343, 2351, HIST 1301, 1302, 2311, 2312, 2321, 2322, 2301, 2327, 2328, 2381, HUMA 1301, 1305, 1311, 2319, 2323, MUSI 1306, 1310, PHIL 1301, 1304, 2306, 2307, 2316, World Languages (ARAB 1411, 1412, CHIN 1411, 1412, FREN 1411, 1412, GERM 1411, 1412, JAPN 1411, 1412, KORE 1411, 1412, SPAN 1411, 1412).
 - D. **Social/Behavioral Sciences: *May choose from*** – ANTH 2346, 2351, ECON 1301, 2301, 2302, EDUC 1300, GEOG 1302, 1303, GOVT 2305, 2306, PSYC 2301, 2314, 2316, 2319, SOCI 1301, 1306, 2301, 2336, TECA 1354.
 - E. **General Education: *May choose from*** – ASTR 1303, 1304, 1403, 1404, BIOL 1308, 1309, 1322, 1406, 1407, (2301, 2302 – restricted to *Engineering, Science, and Health Sciences majors*), CHEM 1305, 1405, 1411, 1412, COSC 1436, GEOG 1301, 1303, GEOL 1305, 1345, 1347, 1403, 1404, HIST 1301, 1302, 2311, 2312, 2321, 2322, 2301, 2327, 2328, 2381, 2325 (with or without 2125 = lab), 2326 (with or without 2126 = lab), TECA 1354.
- * **Note** – Humanities/Fine Arts or Social/Behavioral Sciences, English Composition, Speech, Foreign Language, and Physical Education courses **Do Not** fulfill the General Education requirements for this program.

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AUTOMOTIVE TECHNOLOGY - 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									
AUMT 1305 Introduction to Automotive Technology	3								
AUMT 2328 Automotive Service	3								
AUMT 1310 Automotive Brake Systems	3								
AUMT 1316 Suspension and Steering	3								
SEMESTER TOTAL	12								
SECOND SEMESTER									
AUMT 1307 Automotive Electrical Systems	3								
AUMT 1345 Automotive Climate Control Systems.	3								
AUMT 2321 Automotive Electrical Diagnosis and Repair	3								
AUMT 2317 Automotive Engine Performance Analysis I	3								
SEMESTER TOTAL	12								
THIRD SEMESTER									
AUMT 2313 Automotive Drive Train and Axles	3								
AUMT 1306 Automotive Engine Removal and Installation	3								
AUMT 2325 Automotive Automatic Transmission and Transaxle	3								
AUMT 2334 Automotive Engine Performance Analysis II	3								
AUMT 1380 Cooperative Education - Auto/Automotive Mechanic/Technician #	3								
SEMESTER TOTAL	15								
PROGRAM TOTAL	39								
# CAPSTONE COURSE									

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HEAVY VEHICLE & TRUCK REPAIR - CERTIFICATE: LEVEL I

HCCS Course Requirement	cr hr	Transfer Institution	Substitute Course	Substitute (SU) Transfer (TR)	Term	Credits	Grade	Approval Signature	Date
					Comment/Disapproval				
TSI testing is required prior to completion of first enrollment.									
FIRST SEMESTER									
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								
SEMESTER TOTAL	12								
SECOND SEMESTER									
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								
SEMESTER TOTAL	13								
THIRD SEMESTER									
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								
SEMESTER TOTAL	15								
PROGRAM TOTAL	40								
# CAPSTONE COURSE									

