

## Transportation, Distribution and Logistics Programs

### **Autobody/Collision and Repair Technology**

- 2 Autobody/Collision Repair Technician-Certificate

### **Automotive Technology**

- 3 Automotive Technician-AAS
- 4 Automotive Technician-Certificate
- 5 Light Automotive Maintenance Technician -Marketable Skills Achievement Award

### **Aviation Technology**

- 6 Aircraft Mechanic/Technician Basic- Certificate
- 7 Aircraft Mechanic/Technician Airframe- AAS
- 8 Aircraft Mechanic/Technician Airframe- Certificate
- 9 Aircraft Mechanic/Technician Powerplant- AAS
- 10 Aircraft Mechanic/Technician Powerplant- Certificate

### **Diesel Mechanics Technology**

- 11 Diesel Engine Mechanic and Repairer-Certificate
- 12 Diesel Preventative Maintenance -Marketable Skills Achievement Award

**Logistics** (see Business Management and Administration Cluster)



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

\_\_\_ FA \_\_\_VA

<b>NAME:</b>	<b>SS#:</b>	<b>DATE:</b>
<b>COLLEGE:</b>	<b>COUNSELOR/ADVISOR:</b>	<b>CATALOG YEAR: 08-09</b>

**AUTOMOTIVE TECHNOLOGY - AAS - AUTOMOTIVE TECHNICIAN**

HCCS Course Requirement	Transfer/ Institution	Substitution Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI Testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
AUMT 1305 Introduction to Automotive Technology						
AUMT 1310 Automotive Brake Systems						
AUMT 1316 Suspension and Steering						
AUMT 2328 Automotive Service						
XXXX #3## General Education Math/Science Elective						
SECOND SEMESTER						
AUMT 1345 Automotive Heating and Air-Conditioning						
AUMT 2437 Automotive Electronics						
AUMT 2321 Automotive Electrical Lighting and Accessories						
AUMT 1307 Automotive Electrical Systems						
ENGL 1301 Composition I						
THIRD SEMESTER						
AUMT 2334 Automotive Engine Performance Analysis II						
AUMT 2317 Automotive Engine Performance Analysis I						
AUMT 1319 Automotive Engine Repair						
AUMT 1306 Automotive Engine Removal and Installation						
SECOND YEAR						
FIRST SEMESTER						
AUMT 2325 Automatic Transmission and Transaxle						
AUMT 2209 Manual Drive Train and Axle Theory						
SPCH 1311 Fundamentals of Speech						
AUMT 2223 Theory of Automotive Transmissions						
AUMT 2313 Manual Drivetrain and Axles						
SECOND SEMESTER						
AUMT 2455 Automotive Engine Machining						
AUMT 1380 Cooperative Education - Auto/Automotive Mechanic/Technician						
XXXX #3## General Education Social Science Elective						
XXXX #3## Approved Humanities/Fine Arts Gen. Ed. Elec						







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**AVIATION TECHNOLOGY- AAS - AIRCRAFT MECHANIC/TECHNICIAN AIRFRAME**

HCCS Course Requirement	Transfer/ Institution	Substitution Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI Testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGL 1301 Composition I						
AERM 1315 Aviation Science						
AERM 1205 Weight and Balance						
AERM 1303 Shop Practices						
AERM 1208 Federal Aviation Regulations						
SECOND SEMESTER						
AERM 1210 Ground Operations						
AERM 1414 Basic Electricity						
AERM 1254 Aircraft Composites						
AERM 1241 Wood, Fabric, and Finishes						
XXXX #3## Appr. Math/Science Elective						
THIRD SEMESTER						
AERM 1243 Instruments and Navigation/Communication						
AERM 1253 Aircraft Welding						
AERM 1452 Aircraft Sheet Metal						
XXXX #3## Appr. Social/Behavioral Science Elective						
SECOND YEAR						
FIRST SEMESTER						
AERM 1345 Airframe Electrical Systems						
AERM 1347 Airframe Auxiliary Systems						
AERM 2333 Assembly and Rigging						
XXXX #3## Appr. General Education Elective						
SECOND SEMESTER						
AERM 1349 Hydraulic, Pneumatic and Fuel Systems						
AERM 1350 Landing Gear Systems						
AERM 2231 Airframe Inspection						
XXXX #3## Appr. Humanities/Fine Arts Elective						



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**AVIATION TECHNOLOGY- AAS - AIRCRAFT MECHANIC/TECHNICIAN POWERPLANT**

HCCS Course Requirement	Transfer/ Institution	Substitution Course	Substitute (SU) Transfer (TR)	Comment/Disapproval	Approval Signature	Date
TSI Testing is required prior to first enrollment.						
FIRST YEAR						
FIRST SEMESTER						
ENGL 1301		Composition I				
AERM 1315		Aviation Science				
AERM 1205		Weight and Balance				
AERM 1303		Shop Practices				
AERM 1208		Federal Aviation Regulations				
SECOND SEMESTER						
XXXX #3##		Appr. Math/Science Elective				
AERM 1414		Basic Electricity				
AERM 2547		Aircraft Reciprocating Engine Overhaul				
THIRD SEMESTER						
XXXX #3##		Appr. Humanities/Fine Arts Elective				
AERM 2351		Aircraft Turbine Engine Overhaul				
AERM 1444		Aircraft Reciprocating Engines				
AERM 1210		Ground Operations				
SECOND YEAR						
FIRST SEMESTER						
AERM 1351		Aircraft Turbine Engine Theory				
XXXX #3##		Appr. General Education Elective				
AERM 1340		Aircraft Propellers				
XXXX #3##		Appr. Program Related Elective				
SECOND SEMESTER						
AERM 2252		Aircraft Powerplant Inspection				
AERM 1357		Fuel Metering and Induction Systems				
AERM 1456		Aircraft Powerplant Electrical				
XXXX #3##		Appr. Social/Behavioral Science Elec.				





