Required terms of enrollment verified by Kathlen Lee in an email on 4/13/2016. New concentration code: AGRT

Received In Banner MTVCOMP/Code Master Curriculu CIP Code Program Code Program Descript	4 eset m 4'	ICE USE ONLY /5/2016 7.0614 CA-AMT-AGRT A-AMT-Automot	NEW C	t Form for Ac	DII				
		gram Code	Modify P	rogram Co	ode	Date: <u>2/4/</u> 2016			
Name	Kath	len Lee		Campus	Kau	ai CC			
Title	Educ	cational Specialist	· · · · · · · · · · · · · · · · · · ·	Email	kathlen@hawaii.edu				
Office/Dept	Acad	lemic Affairs		Phone 808-245-8204					
• •	· · · · · ·	CODE TO CREATE		· · · · · · · · · · · · · · · · · · ·					
Institution	KAU	- Kauai CC		Campus		KAU - Kauai CC			
Level	UG -	Undergraduate		Effective T	erm	II 2016			
		Code (Max. Characters)		cription		Check if requesting new code:			
College		(2) <u>IN</u>	Instructional			See Banner form STVCOLL			
Department		(4) <u>TR</u>	Trade Technolog		See Banner form STVDEPT				
Degree/Certi	Degree/Certificate (6) CA		Certificate of Ach	ievement	See Banner form STVDEGC				
Major (4) AMT		(4) <u>AMT</u>	Automotive Technology			See Banner form STVMAJR			
Concentration		(4) AGRT	Automotive Gree	n Technology		See Banner form STVMAJR			
Minor		(4)				See Banner form STVMAJR			
	-		ists in Banner, please						
Justification	to warı	rant a new major/co	ncentration code simi	lar to an existi	ng ma	ajor/concentration code:			

Is this major/concentration code being used the same way at the other UH campuses?		Yes	✓	No
Should this program be available for applicants to select as their planned course of study on the online application? <i>If yes, student may select the code as their only program of study.</i>	~	Yes		No
RULES PERTAINING TO FINANCIAL AID AND 150% DIRECT SUBSIDIZED L	OAN LI	MIT LE	GISLAT	
Is 50% or greater of the classes in this program offered at a location other than the Home Campus?		Yes	4	No
Is this program/major/certificate financial aid eligible?	~	Yes		No
Does this certificate qualify as a Gainful Employment Program (Title IV-eligible certificate program)? See <u>http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html</u>	~	Yes		No
Program Length In academic years; decimals are acceptable. The length of the program should match what is published by the campus in any online and/or written publication.	1 year			
Special Program Designations A B V N See Special Program Designations Code Definitions on IRAO Program Code Request webpage] P	Т		U
Required Terms of Enrollment: 🗌 Fall 🗌 Spring 🗌 Sumr	ner		Extende	d

NEW OR MODIFY PROGRAM CODE

ADDITIONAL COMMENTS

Requesting to add a new certificate of achievement track to the Automotive Technology program.
ATTACHMENTS
BOR Approved: Associate, Bachelor and Graduate Degrees, and sole credential certificates BOR Meeting Minutes & Supporting Documents □ Curriculum Chancellor Approved: Certificates related to authorized BOR program & Associate in Technical Studies (ATS) Degree ✓ Memo from Chancellor to notify VPAA about new program ✓ Curriculum
For new certificates approved by the Chancellor, the related BOR authorized academic program is: Automotive Technology
VERIFICATIONS
By signing below, I verify that I have reviewed and confirm the above information that is pertinent to my position.
Registrar:
Kailana Soto Kailana anate zpulie
Print Name Signature Date
Financial Aid Officer:
Jeff Anderson $J_{u/2} w_{-} = 3/2/16$
Print Name Signature Date
For Community Colleges, verification of consultation with OVPCC Academic Affairs:

Suzette Robinson

Riber That

3/17/16

Print Name

Signature

Date



March 3, 2016

MEMORANDUM

TO:	Risa E. Dickson	
	Nice President for Academic Affairs	
VIA:	James R. Dire Vice Chancellor for Academic Affairs	5
FROM:	Helen A. Cox Chancellor	

SUBJECT: Curriculum Approval

I have approved the following on 1/4/2016 effective Fall 2016.

New

Automotive Technology: Certificate of Competence (C.O.) – HEV Diagnostic and Repair Certificate of Competence (C.O.) – HEV Preventive Maintenance and Repair Certificate of Achievement (C.A.) – Driveability Technician Certificate of Achievement (C.A.) – Heavy Line Technician Certificate of Achievement (C.A.) – Automotive Green Technology

Fitness Professional: Academic Subject Certificate (A.S.C.) – Fitness Professional

Geographic Information Systems: Certificate of Competence (C.O.) – Geographic Information Systems Certificate of Competence (C.O.) – Advanced Geographic Information Systems

Natural Science (Associate in Science): Concentration – Pre-Engineering* *This program is effective Spring 2016. Memorandum to Vice President for Academic Affairs Risa E. Dickson March 3, 2016 Page 2

Program certificate/title change

Automotive Technology: Certificate of Achievement (C.A.) – Electronics/Computer Control Specialist (previously Certificate of Competence)

Certificate of Achievement (C.A.) – Master Automobile Service Technology (previously Automotive Technology)

Removal of certificate/program

Natural Science (Associate in Science): Concentration – Plant Biology and Tropical Agriculture

kl

c Division Chairs Tammie Napoleon Gordon Talbo Brian Yamamoto

Kauaʻi Community College University of Hawaiʻi Program Action Request

VCAA Office Use Only	
Effective Fall	2016
Date Approved	
Replaces	<u> </u>

Deletion

Type of Program Action: 🗌 New Modification 1. 8 50 8 . 8 8 0

PRESENT	Drive Train Specialist CO	Engine Specialist CO	Undercar Specialist CO	Electronics/Computer Control Specialist CO	AMT CA	AMT AAS Degree	PROPOSED	Drive Train Specialist CO	Engine Specialist CO	Undercar Specialist CO	HEV Diagnostic and Repair CO	HEV Preventive Maintenance and Repair CO	Automotive Green Technology CA	Electronics/Computer Control Technician CA	Heavy Line Technician CA	Driveability Technician CA	Master Automobile Service Technology CA	AMT AAS Degree
Semester 1	co	CO	CO	00	CA	AAS	Semester 1											
AMT 20	2	2	2		2	2	AMT 20	2	2	2					2		2	2
AMT 40E	4	4	4	4	4	4	AMT 40E	4	4	4	4	4	4	4	4	4	4	4
AMT 53			3		3	3	AMT 53			3					3		3	3
AMT 55			4		4	4	AMT 55			4					4		4	4
Natural Environment: PHYS 101				_	-	3	Natural Environment: PHYS 101											3
Thinking, Reasoning/ Mathematics: MATH 100						3	Thinking, Reasoning/Mathematics: Core Options											3
Semester 2							Semester 2											
AMT 30		6			6	6	AMT 30		6			6	6		6	6	6	6
AMT 40G				3	3	3	AMT 40G							3		3	3	3
AMT 46	4				4	4	ÁMT 46	4			_						4	4
ETRO 18				3		3	ETRO 18				3	3	3	3				3
Semester 3				~ _		. <u>.</u>	Semester 3							_		_	<u> </u>	
AMT 40B				3	3	3	AMT 40B AMT 40D							3		3	3	3
AMT 40D				3	3	3	AMT 40D AMT 41							3 2		2	2	2
AMT 41 AMT 50					4	4	AMT 50							2	4	2	4	4
AMI 50					4	4	AMT 30				3	3	3		7		4	<u> </u>
Cultural Environment:						3	Cultural Environment:											3
Core Options Social Environment: Core							Core Options Social Environment: Core											
Options						3	Options											3
Semester 4							Semester											
AMT 40H				5	5	5	AMT 40H				5		5	5		5	5	_5
AMT 43					4	4	AMT 43							4			4	4
AMT 60					4	4	AMT 60									4	4	4
							AMT 172					3	3					\square
							AMT 173			<u> </u>	3		3	<u> </u>	<u> </u>			
Communication: Core Options						3	Communication: Core Options											3
TOTALS	10	12	13	23	51	69	TOTAL CREDITS	10	12	13	18	19	27	27	27	30	51	69

PRESENT OPTIONS:

GENERAL SKILLS/ED CORE OPTIONS, SPRING 2013					
Category	Cr	Course Options			
Communication (Written and Oral	3	BUS 130, BUS 175; CULN 160; ENG 100, ENG 104 or			
Communication combined)		higher; JOUR 205; LING 102; SP 151, SP 185, SP 231,			
		SP 251; any WI course; or any FW designation			
Cultural Environment	3	ANTH 200, ANTH 220; BOT 105; CULN 130; HOST 101;			
		SP 185; any Humanities course; or any DA, DH, or DL			
		designation, including languages			
Social Environment	3	BUS 120; ED 105, ED 131, ED 140, ED 245; HOST 125;			
		HPER 195; MGT 122; PHIL 101; any Social Science			
· · · · · · · · · · · · · · · · · · ·		course; or any DS designation			

PROPOSED OPTIONS:

GENERAL SKILLS/ED CORE OPTIONS, SPRING 2016					
Category	Cr	Course Options			
Communication (Written and Oral	3	BUS 130, BUS 175; CULN 160; ENG 100, ENG 104 or			
Communication combined)		higher; JOUR 205; LING 102; SP 151, SP 185, SP 231,			
		SP 251; any WI course; or any FW designation			
Cultural Environment	3	ANTH 200, ANTH 220; BOT 105; CULN 130; HOST 101;			
		SP 185; any Humanities course; or any DA, DH, or DL			
		designation, including languages			
Social Environment	3	BUS 120; ECED 105, ECED 131, ECED 140, ECED 245;			
		HOST 100; HPER 195; MGT 122; PHIL 101; any Social			
		Science course; or any DS designation			
Thinking, Reasoning/Mathematics	3	ACC 124, ACC 201;BUSN 189; ICS 111; MATH 100 or			
		higher; PHIL 110; or any FS designation			

2. **Program Type:**

- 🔀 Associate in Applied Science (AAS)
- Associate in Arts (AA)
- Associate in Arts-Concentration
- Associate in Science (AS)
- Associate in Science Natural Sciences–Concentration (ASNS)

Certificate of Achievement (CA)

Certificate of Competence (CO) Academic Subject Certificate (ASC)

3. Program Title: Automotive Technology

4. Program Description (for catalog):

The Automotive Technology program is a competency-based program designed following standards specified by the National Automotive Education Foundation (NATEF). The competencies the student is expected to achieve in the program are based on the task described by NATEF. A student who successfully completes the program will receive training in all of the eight areas described by NATEF: A-1 Engine Repair; A-2 Automatic Transmission and Transaxle; A-3 Manual Drive Train and Axles; A-4 Suspension and Steering; A-5 Brakes; A-6 Electrical/Electronic Systems; A-7 Heating and Air Conditioning; and A-8 Engine Performance. In order to meet global changes, the automotive industry has gone Green with Hybrid and Electric vehicles. Our program will meet the industry needs by providing training in sustainable energy with Hybrid and Electric Vehicle (HEV) Technology and alternative fuels.

The goals of the program are to prepare students with the skills and competencies necessary for a successful career as an automotive technician, to instill in the student the work habits and attitude necessary to work in a highly competitive field, and to provide the student with the basic skills necessary to become a lifelong learner in order to keep abreast of the latest technological changes in the automobile.

The Automotive Technology program courses are clustered into certificates, each providing a set of marketable workplace skills. The Certificates of Competence (COs) in HEV Preventive Maintenance and Repair and the HEV Diagnostic and Repair lead to a Certificate of Achievement (CA) in Automotive Green Technology. The Drive Train Specialist, Engine Specialist, and Undercar

Specialist lead to the CA in Automotive Technology Heavy Line Technician. In addition, other certificates earned are the Electronics/Computer Controls Technician, Driveability Technician, and Master Automobile Service Technology CAs that lead to the Associate in Applied Science (AAS) degree. This two-year AAS degree program is offered every year.

This program is articulated with other UH Community College Automotive programs. Students should plan to enroll in all the Automotive Technology program courses offered each semester in order to earn the desired certificate or degree in the shortest time possible. Students are strongly encouraged to consult with an academic advisor to help them plan the best path for reaching their academic goals.

The cost of tools and supplies for the program is approximately \$2,500. This cost can vary considerably, depending on where the student chooses to buy tools and supplies.

Program Admission Requirements:

Applicants will be admitted into the Automotive Technology program on a "first applied, first qualified" basis. Students not meeting prerequisites may take non-AMT designated courses required in the program and begin the cycle of automotive (AMT) courses once prerequisites are met. First-semester courses require qualification into ENG 21 or higher, and MATH 100 or higher OR a co-requisite of AMT 20 and MATH 75X. Students must maintain a valid driver's license throughout the course of study.

Graduation Requirements:

A GPA of 2.0 or higher in all AMT courses is needed to meet graduation requirements.

- 5. List Program Student Learning Outcomes that were approved by the Assessment Committee on 4/30/15.
 - 1. Demonstrate technical proficiency in entry-level skills for employment in the automotive service field or related areas.
 - 2. Apply the theory behind automotive procedures and use critical thinking when performing service, maintenance, diagnostics, and repair of all major automotive systems.
 - 3. Comply with personal and environmental safety practices in accordance with applicable safety and environmental regulations.
 - 4. Identify and use appropriate tools, testing, and measuring equipment required to accomplish each task established by the National Automotive Technology Education Foundation (NATEF).
 - 5. Locate references, training information and manufacturer's procedures from industry resources using the appropriate technology and perform tasks in accordance with their research.
 - 6. Perform all diagnostic and repair tasks in accordance with manufacturer's recommended procedures as published.
 - 7. Communicate effectively both orally and in writing.

6. Proposed Date of First Offering: Fall 2016

7. Is this program offered at another UH campus? X Yes No If Yes, specify campus. If No, why is this program offered at KCC:

Hawai'i CC, Honolulu CC, Leeward CC, and UH Maui College

8. Reason for this Program Action:

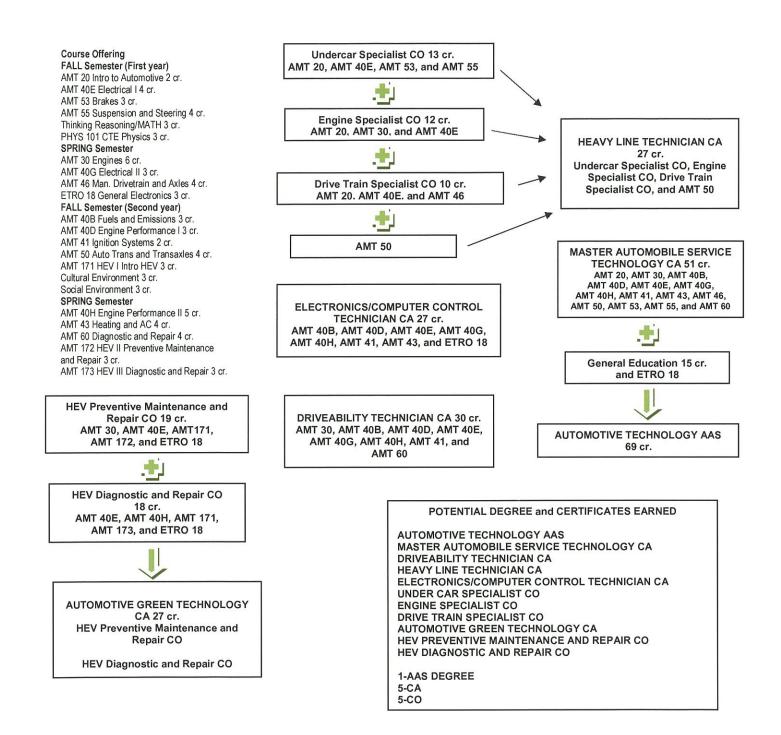
The AMT program is updating its General Education (Gen Ed) graduation requirements for the AAS degree to address the ACCJC recommendations with 100 level or higher in all Gen Ed courses. The MATH 100 requirement will be changed to the Thinking/Reasoning Mathematics Core Options to allow students more options to choose with this graduation requirement.

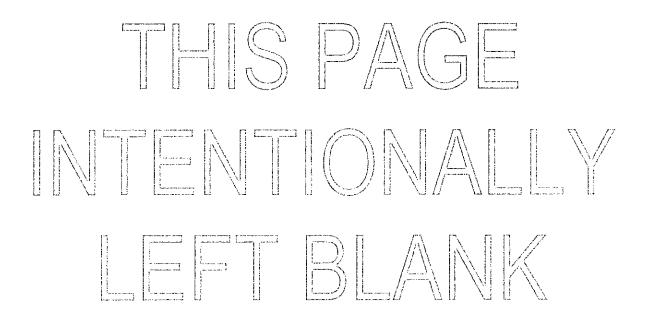
New HEV courses already approved will be included under the AAS program. Packaging all AMT courses into new clusters to create new certificates will directly align with industry job classification and NATEF standards that lead to gainful employment.

- 9. Board of Regents Approval Needed: Yes X No
- 10. Indicate the number of semesters required to complete each certificate and degree.

Certificate/Degree	Number of Semesters		
CO Drive Train Specialist	2		
CO Engine Specialist	2		
CO Undercar Specialist	1		
CO HEV Diagnostic and Repair	2		
CO HEV Preventive Maintenance	2		
and Repair	2		
CA Automotive Green Technology	2		
CA Electronics/Computer Control	Л		
Technician	+		
CA Heavy Line Technician	3		
CA Driveability Technician	4		
CA Master Automobile Service	A		
Technology	4		
AAS Automotive Technology	4		

11. Program Course Sequencing: Complete one for each certificate/degree if sequencing is not provided with question #1.





PROGRAM ACTION REQUEST APPROVAL

PROGRAM:	Automotive Technology Certificates of Competence, Certificates of Achievement, and Associate in Applied Science Degree							
Effective date:	Fall 2016							
PSLOs Approved by	, ,							
	Assessment Committee Chairperson	Date						
Proposed by:								
	Originator	Date						
Requested by:								
	Department/Division Chairperson	Date						
Approved by:	Quiniquium Committee Chaimereen	Data						
	Curriculum Committee Chairperson	Date						
	Vice Chancellor for Academic Affairs	Date						
	Chancellor	Date						

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