

**New Program Code**      **Replace Program Code**

Date: 05/24/2022

**REQUESTOR CONTACT INFORMATION**

Name Kathlen Lee     Campus Kauai CC  
 Title Educational Specialist     Email kathlen@hawaii.edu  
 Office/Dept Academic Affairs     Phone (808) 245-8204

**NEW PROGRAM CODE TO CREATE**

Institution KAU     Campus KAU  
 Level UG     Effective Term Fall 2022

	Code (Max. Characters)	Description	Check if requesting new code:
College	(2) <u>IN</u>	<u>Instructional</u>	<input type="checkbox"/> See Banner form STVCOLL
Department	(4) <u>TR</u>	<u>Trade Technology</u>	<input type="checkbox"/> See Banner form STVDEPT
Degree/Certificate	(6) <u>CA</u>	<u>Certificate of Achievement</u>	<input type="checkbox"/> See Banner form STVDEGC
Major	(4) <u>AMT2</u>	<u>Automotive Technology</u>	<input type="checkbox"/> See Banner form STVMAJR
Concentration	(4) <u>ECCT</u>	<u>Electronics/Comput Control Technician</u>	<input type="checkbox"/> See Banner form STVMAJR
Minor	(4) _____	_____	<input type="checkbox"/> See Banner form STVMAJR
If a similar major/concentration code exists in Banner, please list the code:			<u>ECCS</u>

Justification to warrant a new major/concentration code similar to an existing major/concentration code:

ECCS uses a description of "Specialist," which does not accurately reflect the current program title that uses "Technician." Therefore, ECCT is being requested with "Technician" in the description.

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? *If yes, student may select the code as their only program of study.*  Yes  No

**RULES PERTAINING TO FINANCIAL AID AND 150% DIRECT SUBSIDIZED LOAN LIMIT LEGISLATION**

Is 50% or greater of the classes in this program offered at a location other than the Home Campus?  Yes  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)?  Yes  No

See <http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html>

**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.

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Special Program Designations      A      B      N      P      T      U

See Special Program Designations Code Definitions on IRAO Program Code Request webpage

Required Terms of Enrollment:      Fall      Spring      Summer      Extended

**EXISTING PROGRAM CODE TO REPLACE, IF APPLICABLE**

Program Code	CA-AMT2-ECCS	Program Description	Automotive Technology
Institution	KAU	Campus	Kauai CC
College	IN	Department	Trade Technology
Level	UG		

Are current students "grandfathered" under the program code?  Yes  No

Should the old program code be available for use in Banner?  Yes  No

Effective Fall 2022, old program code will no longer be available to admit or recruit students.  
Term (ie. Fall 2020)

*This will turn off the online application, recruitment (effects Banner forms SRASUMI and SRAQUIK) and admissions (effects Banner forms SAADCRV, SAAADMS, SAASUMI, SAAQUIK, and SAAQUAN) Banner modules.*

Effective Fall 2022, old program code will no longer be available to award degree to students.  
Term (ie. Fall 2020)

*This will turn off the general student (effects Banner form SGASTDN) and academic history (effects Banner form SHADEGR) Banner modules.*

**ATTACHMENTS**

**BOR Approved:** Sole-credential Certificate, Associate, Bachelor and Graduate Degrees, and sole credential certificates

- BOR Meeting Minutes & Supporting Documents  Curriculum

**Chancellor Approved:** Concentrations, Certificates and Associate in Technical Studies (ATS) Degree

- Memo from Chancellor to notify Vice President for Academic Planning and Policy regarding program action.  
 Curriculum

**CERTIFICATES ONLY: Please check one (1) statement. This certificate is a...**

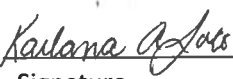
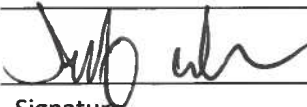
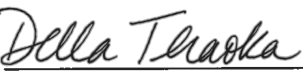
BOR approved certificate. BOR Meeting/Approval Date: \_\_\_\_\_

Chancellor approved within an authorized BOR program. BOR Program: \_\_\_\_\_

Chancellor approved CO in accordance with UHCCP 5.203, Section IV.B.10.

**VERIFICATIONS**

*By signing below, I verify that I have reviewed and confirm the above information that is pertinent to my position.*

<b>Registrar</b> (Print Name)	<b>Financial Aid Officer</b> (Print Name)	<b>For Community Colleges,</b> <b>verification of consultation with</b> <b>OVPC Academic Affairs:</b>
Kailana Soto	Jeff Anderson	<del>Tammi Oyadomari-Chun</del> Della Teraoka
		
6/7/22	6/9/22	10/7/2022
Signature	Signature	Signature
Date	Date	Date

**ADDITIONAL COMMENTS**

The original submission in 2016 was erroneously submitted with ECCS as the concentration code. For consistency across all documents, we would like the code description to match the program title.

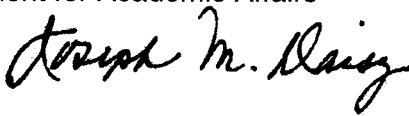


June 9, 2022

**MEMORANDUM**

TO: Debora Halbert  
Associate Vice President for Academic Planning and Policy

VIA: Tammi Oyadomari-Chun  
Associate Vice President for Academic Affairs

FROM: Joseph Daisy   
Chancellor

SUBJECT: Non-substantive Correction to IRAO Program Concentration Code/Description

The initial program code request submitted in 2016 for the modification of the Certificate of Competence in Electronics/Computer Control Specialist to a Certificate of Achievement in Electronics/Computer Control Technician was erroneously submitted using the concentration code ECCS with a description of "Electronics/Computer Control Specialist." A program code request is being submitted to correct this and ensure consistency across all current and future documents with the use of "Technician" instead of "Specialist" in the program concentration code and description. The program title change occurred in 2016, which was approved by Chancellor Helen Cox on January 4, 2016, with an effective term of Fall 2016.

CC: Erika Lacro  
Vice President for Community Colleges

**Kaua'i Community College  
University of Hawai'i  
Program Action Request (Modification)**

VCAA Office Use Only	
Effective Fall	2021
Date Approved	01/21
Replaces	02/18

1. Program title: Automotive Technology
2. Program requirements:

PRESENT (Until End of: Summer 2021)	CO Drive Train Specialist	CO Engine Specialist	CO Undercar Specialist	CO HEV Diagnostic and Repair	CO HEV Preventive Maintenance and Repair	CA Automotive Green Technology	CA Electronics/Computer Control Technician	CA Heavy Line Technician	CA Driveability Technician	CA Master Automobile Service Technology	AAS AMT Degree	PROPOSED (Effective: Fall 2021)	CO Drive Train Specialist	CO Engine Specialist	CO Undercar Specialist	CO HEV Diagnostic and Repair	CO HEV Preventive Maintenance and Repair	CA Non-Structural Analysis and Damage Repair	CA Automotive Green Technology	CA Electronics/Computer Control Technician	CA Heavy Line Technician	CA Driveability Technician	CA Master Automobile Service Technology	AAS AMT Degree	
Semester 1	Semester 1											Semester 2													
AMT 100	2	2	2					2		2	2	AMT 100	2	2	2									2	2
												AMT 120B													4
												AMT 126B													4
												AMT 134B													4
AMT 141	5	5	5	5	5	5	5	5	5	5	5	AMT 141	5	5	5	5	5			5	5	5	5	5	5
AMT 152			4					4	4	4	4	AMT 152			4								4	4	4
AMT 154			4					4	4	4	4	AMT 154			4								4	4	4
Thinking, Reasoning/ Mathematics: Core Options											3	Thinking, Reasoning, and Mathematics: Core Options													3
Semester 2	Semester 2											Semester 3													
AMT 129		7			7	7		7	7	7	7	AMT 129		7				7		7	7	7	7	7	
												AMT 136B						6							7
AMT 145	4							4		4	4	AMT 145	4										4		4
												AMT 144B													4
AMT 241							4		4	4	4	AMT 241						6			4		4	4	4
Natural Environment: PHYS 101											3	Natural Environment: PHYS 101													3
Semester 3	Semester 3											Semester 4													
AMT 149								4		4	4	AMT 149											4		4
AMT 171				3	3	3						AMT 171				3	3								
AMT 240							4		4	4	4	AMT 240									4		4	4	4
AMT 242							5		5	5	5	AMT 242									5		5	5	5
Cultural Environment: Core Options											3	Cultural Environment: Core Options													3
Social Environment: Core Options											3	Social Environment: Core Options													3
Semester 4	Semester 4											Total Credits													
AMT 144							4		4	4	4	AMT 144									4				4
AMT 172				3	3	3						AMT 172					3				3				
AMT 173				3		3						AMT 173				3					3				
AMT 244				5		5	5		5	5	5	AMT 244				5				5	5		5	5	5
AMT 260								4	4	4	4	AMT 260											4	4	4
Communication (Oral and Written): Core Options											3	Communication: Core Options													3
<b>Total credits</b>	<b>11</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>18</b>	<b>26</b>	<b>27</b>	<b>30</b>	<b>34</b>	<b>56</b>	<b>71</b>	<b>Total Credits</b>	<b>11</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>18</b>	<b>26</b>	<b>26</b>	<b>27</b>	<b>30</b>	<b>34</b>	<b>56</b>	<b>71</b>	

**OPTIONS FOR PRESENT PROGRAMS (until Summer 2021)**

GENERAL SKILLS/ED CORE OPTIONS, FALL 2018		
Category	Cr	Course Options
Communication (Written and Oral Communication combined)	3	BUSN 179; CULN 160; ENG 100, ENG 104 or higher; 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 188; ICS 111; MATH 100 or higher; PHIL 110; or any FQ/FS designation

**3. If applicable, indicate if certain certificate or degree tracks are being terminated or stopped out.**

All tracks that have strikethrough in the "Proposed" side of the chart (see #2) are being stopped out.

Term to reactivate track: \_\_\_\_\_

Note: The maximum stop out is 2 years.

All tracks that have been removed from the "Proposed" side of the chart (see #2) are being terminated.

**For either option, answer all of the following:**

**A. The number of students currently enrolled in each track that is being stopped out or terminated.**

**B. Include a plan or steps that will be taken to phase out the program if there are students currently enrolled in or close to completing the program (a copy of this PAR will be shared with the Director of Institutional Effectiveness once it's approved).**

**4. If applicable, include the existing and proposed certificate/degree and title for all tracks that are changing its 1) title and/or 2) type of certificate or degree. Skip this question if it doesn't apply.**

[Existing certificate or degree and title] changed to [Proposed certificate or degree and title]

**5. Program description (for catalog):**

The Automotive Technology program is a competency-based program designed following standards specified by the Automotive Service Excellence (ASE) Education Foundation. The competencies the student is expected to achieve in the program are based on the task described by ASE Education Foundation. A student who successfully completes the program will receive training in all of the eight areas described by ASE Education Foundation: 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. Auto Refinishing and Non-Structural Repairs are also included in our program to meet the needs of cosmetic repairs and body refinishing at industry standards.

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 (if applicable – skip if it doesn't apply):**

Applicants will be admitted into the Automotive Technology program on a "first applied, first qualified" basis. Students must maintain a valid driver's license throughout the course of study.

**Program graduation requirements (select all that apply):**

All programs require a cumulative GPA of 2.0 or higher for all courses applicable toward the certificate or degree. **Note: This is a standard statement applicable to all programs and should always be selected.**

A grade of "C" or higher in all AMT alpha courses required for the Automotive Technology program is also required for graduation.

Additional graduation requirements:

**6. Program student learning outcomes (PSLOs). Select one of the following:**

The PSLOs below remain the same as the last approved PAR and were approved on 04/30/2015.

The PSLOs below have been revised from the last approved PAR and the latest PSLOs were approved on \_\_/\_\_/\_\_.

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 Technicians 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.

**7. PART I. JUSTIFICATION – Justification for all program changes (if stopping out or terminating, provide justification):**

The AMT program is creating a new Non-Structural Analysis and Damage Repair Certificate of Achievement. With the closure of the ABRP program, ABRP courses that were inactive have been reactivated and modified under AMT as the automotive industry is so vast that encompasses all areas related to vehicle repair. Our local repair industry and advisory board have expressed the need and support to bring back training and development with these courses and new certificate. Student interests are peaking, but due to Financial Aid restrictions they cannot receive assistance on these new courses until the new certificate is created.

**PART II. JUSTIFICATION – Request for ACCJC approval. Review the Substantive Change Inquiry form to determine if ACCJC approval is necessary and select one of the following (if you have any questions about the Substantive Change Inquiry form, contact the VCAA):**

The Substantive Change Inquiry form has been completed and is included with this proposal. Upon Curriculum Committee approval of the PAR, the VCAA will review the form and request ACCJC approval when necessary.

None of the conditions in the Substantive Change Inquiry form apply to this proposal.

**8. Proposed changes to take effect in Fall 2021**

**Programs typically start in the Fall; however, if proposing a term other than Fall (e.g., Spring or Summer), include the term and provide a brief rationale below.**

- 9. Is this program offered at another UH campus?**  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

**10. Board of Regents approval (select one of the following):**

- The Board of Regents has already approved this program  
 Board of Regents approval is pending (as of this proposal)  
 This is a standalone CO and Board of Regents approval is not needed

11. 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	4
CO HEV Preventive Maintenance and Repair	4
CA Non-Structural Analysis and Damage Repair	2
CA Automotive Green Technology	4
CA Electronics/Computer Control Technician	4
CA Heavy Line Technician	3
CA Driveability Technician	4
CA Master Automobile Service Technology	4
AAS Automotive Technology	4

12. **Program course sequence:** Complete one suggested pathway for each certificate/degree based on the course and category requirements provided in the chart for question #2. If you have any questions about the course sequence, contact the Integrated Technology Coordinator.

Drive Train Specialist Certificate of Competence				
Fall Semester 1		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 100	2	X		
AMT 141	5	X		
Spring Semester 2		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 145	4		X	
Total credits		11	=====	=====

Engine Specialist Certificate of Competence				
Fall Semester 1		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 100	2	X		
AMT 141	5	X		
Spring Semester 2		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 129	7		X	
Total credits		14	=====	=====



<b>Undercar Specialist Certificate of Competence</b>				
Fall Semester 1		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 100	2	X		
AMT 141	5	X		
AMT 152	4	X		
AMT 154	4	X		
Total credits	15	=====	=====	=====

<b>HEV Diagnostic and Repair Certificate of Competence</b>				
Fall Semester 1		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 141	5	X		
Spring Semester 2		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
No courses				
Fall Semester 3		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 171	3		X	
Spring Semester 4		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 173	3		X	
AMT 244	5		X	
Total credits	16	=====	=====	=====

<b>HEV Preventive Maintenance and Repair Certificate of Competence</b>				
Fall Semester 1		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 141	5	X		
Spring Semester 2		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 129	7		X	
Fall Semester 3		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 171	3	X		
Spring Semester 4		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 172	3		X	
Total credits	18	=====	=====	=====

<b>Non-Structural Analysis and Damage Repair Certificate of Achievement</b>				
Fall Semester 1		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 100	2	X		
AMT 120B	4	X		
AMT 126B	4	X		
AMT 134B	4	X		
Spring Semester 2		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 136B	6		X	
AMT 144B	6		X	
Total credits		26	=====	=====

<b>Automotive Green Technology Certificate of Achievement</b>				
Fall Semester 1		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 141	5	X		
Spring Semester 2		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 129	7		X	
Fall Semester 3		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 171	3	X		
Spring Semester 4		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 172	3		X	
AMT 173	3		X	
AMT 244	5		X	
Total credits		26	=====	=====

<b>Electronics/Computer Control Technician Certificate of Achievement</b>				
Fall Semester 1		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 141	5	X		
Spring Semester 2		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 241	4		X	
Fall Semester 3		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 240	4	X		
AMT 242	5	X		
Spring Semester 4		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 144	4		X	
AMT 244	5		X	
Total credits		27	=====	=====

<b>Heavy Line Technician Certificate of Achievement</b>				
Fall Semester 1		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 100	2	X		
AMT 141	5	X		
AMT 152	4	X		
AMT 154	4	X		
Spring Semester 2		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 129	7		X	
AMT 145	4		X	
Fall Semester 3		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 149	4	X		
Total credits		30	=====	=====

<b>Driveability Technician Certificate of Achievement</b>					
Fall Semester 1			Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU	
AMT 141	5	X			
Spring Semester 2			Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU	
AMT 129	7		X		
AMT 241	4		X		
Fall Semester 3			Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU	
AMT 240	4	X			
AMT 242	5	X			
Spring Semester 4			Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU	
AMT 244	5		X		
AMT 260	4		X		
Total credits	34	=====	=====	=====	

<b>Master Automobile Service Technology Certificate of Achievement</b>					
Fall Semester 1			Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU	
AMT 100	2	X			
AMT 141	5	X			
AMT 152	4	X			
AMT 154	4	X			
Spring Semester 2			Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU	
AMT 129	7		X		
AMT 145	4		X		
AMT 241	4		X		
Fall Semester 3			Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU	
AMT 149	4	X			
AMT 240	4	X			
AMT 242	5	X			
Spring Semester 4			Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU	
AMT 144	4		X		
AMT 244	5		X		
AMT 260	4		X		
Total credits	56	=====	=====	=====	

<b>AMT Associates of Applied Science Degree</b>				
Fall Semester 1		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 100	2	X		
AMT 141	5	X		
AMT 152	4	X		
AMT 154	4	X		
Thinking, Reasoning, and Mathematics: Core Options (QM 108 is recommended)	3	X		
Spring Semester 2		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 129	7		X	
AMT 145	4		X	
AMT 241	4		X	
Natural Environment: PHYS 101	3		X	
Fall Semester 3		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 149	4	X		
AMT 240	4	X		
AMT 242	5	X		
Cultural Environment: Core Options	3	X		
Social Environment: Core Options	3	X		
Spring Semester 4		Indicate the semester(s) the course is offered with an X.		
Course Alpha/No. or Category	Credits	F	S	SU
AMT 144	4		X	
AMT 244	5		X	
AMT 260	4		X	
Communication: Core Options (ENG 106 is recommended)	3			
Total credits	71	=====	=====	=====

PROGRAM ACTION REQUEST APPROVAL

Submitted by:

Gordon Talbo Gordon Talbo 8/24/20  
Print Name and Signature Date

Note: Submit the signed printed copy (including the electronic Word file) to the VCAA Secretary who will route the proposal for approvals.

Approved by:

Division Chair:

Gordon Talbo Gordon Talbo 8/27/20  
Print Name and Signature Date

Assessment Committee  
Coordinator (PSLOs):

Candace M. Tabuchi Candace M. Tabuchi 9/18/2020  
Print Name and Signature Date

Integrated Technology  
Coordinator (course sequence):

Shaunte Sadora 09/16/20  
Shaunte Sadora Date

Curriculum Committee:

James Andrews 11/1/20  
Print Name and Signature Date

Frankie Harriss 14 JAN 2021  
Frankie Harriss, Vice Chancellor for Academic Affairs Date

For VCAA – ACCJC approval is needed:  Yes  No

Joseph M. Daisy JANUARY 14, 2021  
Joseph Daisy, Chancellor Date

IRAO OFFICE USE ONLY	
Received	
In Banner	
MTVCOMP/Codeset	
Master Curriculum	
CIP Code	
Program Code	
Program Description	

University of Hawai'i  
Code Request Form for Academic Programs for  
**NEW OR MODIFY  
PROGRAM CODE**

Reset Form

New Program Code     **Modify Program Code**

Date: 2/4/2016

**REQUESTOR CONTACT INFORMATION**

Name Kathlen Lee Campus Kauai CC  
 Title Educational Specialist Email kathlen@hawaii.edu  
 Office/Dept Academic Affairs Phone 808-245-8204

**NEW PROGRAM CODE TO CREATE**

Institution KAU - Kauai CC Campus KAU - Kauai CC  
 Level UG - Undergraduate Effective Term Fall 2016

	Code (Max. Characters)	Description	Check if requesting new code:
College	(2) <u>IN</u>	<u>Instructional</u>	<input type="checkbox"/> See Banner form STV_COLL
Department	(4) <u>TR</u>	<u>Trade Technology</u>	<input type="checkbox"/> See Banner form STV_DEPT
Degree/Certificate	(6) <u>CA</u>	<u>Certificate of Achievement</u>	<input type="checkbox"/> See Banner form STV_DEGC
Major	(4) <u>AMT</u>	<u>Automotive Technology</u>	<input type="checkbox"/> See Banner form STV_MAJR
Concentration	(4) <u>ECCS</u>	<u>Electronics/Comp. Control Spec</u>	<input type="checkbox"/> See Banner form STV_MAJR
Minor	(4) _____	_____	<input type="checkbox"/> See Banner form STV_MAJR

If a similar major/concentration code exists in Banner, please list the code: \_\_\_\_\_

Justification to warrant a new major/concentration code similar to an existing major/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? *If yes, student may select the code as their only program of study.*  Yes  No

**RULES PERTAINING TO FINANCIAL AID AND 150% DIRECT SUBSIDIZED LOAN LIMIT LEGISLATION**

Is 50% or greater of the classes in this program offered at a location other than the Home Campus?  Yes  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)?  Yes  No

See <http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html>

**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.*

2 years

Special Program Designations  A  B  N  P  T  U

See *Special Program Designations Code Definitions on IRAO Program Code Request webpage*

Required Terms of Enrollment:  Fall  Spring  Summer  Extended

ADDITIONAL COMMENTS

Requesting to modify the certificate of competence track (CO-AMT-ECCS) to a certificate of achievement track in 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

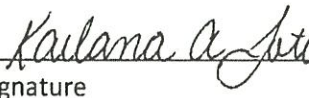
VERIFICATIONS

*By signing below, I verify that I have reviewed and confirm the above information that is pertinent to my position.*

**Registrar:**

Kailana Soto

Print Name



Signature

2/24/16

Date

**Financial Aid Officer:**

Jeff Anderson

Print Name



Signature

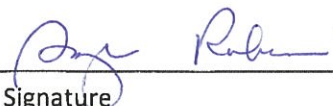
3/2/16

Date

**For Community Colleges, verification of consultation with OVPC Academic Affairs:**

Suzette Robinson

Print Name



Signature

3/17/16

Date

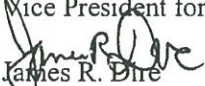





March 3, 2016

**MEMORANDUM**

TO: Risa E. Dickson  
Vice President for Academic Affairs

VIA:   
James R. Dire  
Vice Chancellor for Academic Affairs

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

**Kaua'i Community College  
University of Hawai'i  
Program Action Request**

VCAA Office Use Only	
Effective Fall	2016
Date Approved	_____
Replaces	_____

1. Type of Program Action:     New         Modification         Deletion

PRESENT	PRESENT						PROPOSED	PROPOSED										
	Drive Train Specialist CO	Engine Specialist CO	Undercar Specialist CO	Electronics/Computer Control Specialist CO	AMT CA	AMT AAS Degree		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	Drivability Technician CA	Master Automobile Service Technology CA	AMT AAS Degree
<b>Semester 1</b>	CO	CO	CO	CO	CA	AAS	<b>Semester 1</b>											
AMT 20	2	2	2		2	2	AMT 20	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	
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
<b>Semester 2</b>							<b>Semester 2</b>											
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	AMT 46	4								4	4	4
ETRO 18				3		3	ETRO 18				3	3	3	3				3
<b>Semester 3</b>							<b>Semester 3</b>											
AMT 40B				3	3	3	AMT 40B							3		3	3	3
AMT 40D				3	3	3	AMT 40D							3		3	3	3
AMT 41				2	2	2	AMT 41							2		2	2	2
AMT 50					4	4	AMT 50								4		4	4
Cultural Environment: Core Options						3	AMT 171				3	3	3					
Social Environment: Core Options						3	Cultural Environment: Core Options											3
Social Environment: Core Options						3	Social Environment: Core Options											3
<b>Semester 4</b>							<b>Semester</b>											
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					
							AMT 173				3		3					
Communication: Core Options						3	Communication: Core Options											3
<b>TOTALS</b>	<b>10</b>	<b>12</b>	<b>13</b>	<b>23</b>	<b>51</b>	<b>69</b>	<b>TOTAL CREDITS</b>	<b>10</b>	<b>12</b>	<b>13</b>	<b>18</b>	<b>19</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>30</b>	<b>51</b>	<b>69</b>

**PRESENT OPTIONS:**

GENERAL SKILLS/ED CORE OPTIONS, SPRING 2013		
Category	Cr	Course Options
Communication (Written and Oral Communication combined)	3	BUS 130, BUS 175; CULN 160; ENG 100, ENG 104 or 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 Communication combined)	3	BUS 130, BUS 175; CULN 160; ENG 100, ENG 104 or 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:**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Associate in Applied Science (AAS)              | <input checked="" type="checkbox"/> Certificate of Achievement (CA) |
| <input type="checkbox"/> Associate in Arts (AA)                                     | <input checked="" type="checkbox"/> Certificate of Competence (CO)  |
| <input type="checkbox"/> Associate in Arts–Concentration                            | <input type="checkbox"/> Academic Subject Certificate (ASC)         |
| <input type="checkbox"/> Associate in Science (AS)                                  |   |
| <input type="checkbox"/> Associate in Science Natural Sciences–Concentration (ASNS) |   |

**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?**  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  No

10. **Indicate the number of semesters required to complete each certificate and degree.**

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

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

**Course Offering**

**FALL Semester (First year)**

AMT 20 Intro to Automotive 2 cr.  
 AMT 40E Electrical I 4 cr.  
 AMT 53 Brakes 3 cr.  
 AMT 55 Suspension and Steering 4 cr.  
 Thinking Reasoning/MATH 3 cr.  
 PHYS 101 CTE Physics 3 cr.

**SPRING Semester**

AMT 30 Engines 6 cr.  
 AMT 40G Electrical II 3 cr.  
 AMT 46 Man. Drivetrain and Axles 4 cr.  
 ETRO 18 General Electronics 3 cr.

**FALL Semester (Second year)**

AMT 40B Fuels and Emissions 3 cr.  
 AMT 40D Engine Performance I 3 cr.  
 AMT 41 Ignition Systems 2 cr.  
 AMT 50 Auto Trans and Transaxles 4 cr.  
 AMT 171 HEV I Intro HEV 3 cr.  
 Cultural Environment 3 cr.  
 Social Environment 3 cr.

**SPRING Semester**

AMT 40H Engine Performance II 5 cr.  
 AMT 43 Heating and AC 4 cr.  
 AMT 60 Diagnostic and Repair 4 cr.  
 AMT 172 HEV II Preventive Maintenance and Repair 3 cr.  
 AMT 173 HEV III Diagnostic and Repair 3 cr.

**HEV Preventive Maintenance and Repair CO 19 cr.**  
 AMT 30, AMT 40E, AMT 171, AMT 172, and ETRO 18

**HEV Diagnostic and Repair CO 18 cr.**  
 AMT 40E, AMT 40H, AMT 171, AMT 173, and ETRO 18

**AUTOMOTIVE GREEN TECHNOLOGY CA 27 cr.**  
 HEV Preventive Maintenance and Repair CO  
 HEV Diagnostic and Repair CO

**Undercar Specialist CO 13 cr.**  
 AMT 20, AMT 40E, AMT 53, and AMT 55

**Engine Specialist CO 12 cr.**  
 AMT 20, AMT 30, and AMT 40E

**Drive Train Specialist CO 10 cr.**  
 AMT 20, AMT 40E, and AMT 46

**AMT 50**

**ELECTRONICS/COMPUTER CONTROL TECHNICIAN CA 27 cr.**  
 AMT 40B, AMT 40D, AMT 40E, AMT 40G, AMT 40H, AMT 41, AMT 43, and ETRO 18

**DRIVEABILITY TECHNICIAN CA 30 cr.**  
 AMT 30, AMT 40B, AMT 40D, AMT 40E, AMT 40G, AMT 40H, AMT 41, and AMT 60

**HEAVY LINE TECHNICIAN CA 27 cr.**  
 Undercar Specialist CO, Engine Specialist CO, Drive Train Specialist CO, and AMT 50

**MASTER AUTOMOBILE SERVICE TECHNOLOGY CA 51 cr.**  
 AMT 20, AMT 30, AMT 40B, AMT 40D, AMT 40E, AMT 40G, AMT 40H, AMT 41, AMT 43, AMT 46, AMT 50, AMT 53, AMT 55, and AMT 60

**General Education 15 cr. and ETRO 18**

**AUTOMOTIVE TECHNOLOGY AAS 69 cr.**

**POTENTIAL DEGREE and CERTIFICATES EARNED**

AUTOMOTIVE TECHNOLOGY AAS  
 MASTER AUTOMOBILE SERVICE TECHNOLOGY CA  
 DRIVEABILITY TECHNICIAN CA  
 HEAVY LINE TECHNICIAN CA  
 ELECTRONICS/COMPUTER CONTROL TECHNICIAN CA  
 UNDER CAR SPECIALIST CO  
 ENGINE SPECIALIST CO  
 DRIVE TRAIN SPECIALIST CO  
 AUTOMOTIVE GREEN TECHNOLOGY CA  
 HEV PREVENTIVE MAINTENANCE AND REPAIR CO  
 HEV DIAGNOSTIC AND REPAIR CO

1-AAS DEGREE  
 5-CA  
 5-CO

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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: \_\_\_\_\_  
Curriculum Committee Chairperson Date

\_\_\_\_\_  
Vice Chancellor for Academic Affairs Date

\_\_\_\_\_  
Chancellor Date