



CMI

College of the Marshall Islands

Accredited by the Western Association of Schools and Colleges

P.O. Box 1258
Uluga Campus
Majuro, Marshall Islands, MH 96960

Tel: (692) 625-3394/3291/4931
Fax: (692) 625-7203
Email: bor.regents@cmi.edu

COLLEGE OF THE MARSHALL ISLANDS

BOARD RESOLUTION-No: 2022- 002

***“A RESOLUTION TO APPROVE THE CERTIFICATE OF COMPLETION IN
AUTOMOTIVE SERVICE TECHNOLOGY PROGRAM TO BE OFFERED ON
KWAJALEIN ATOLL”***

WHEREAS, The Board of Regents of the College of the Marshall Islands is responsible under the CMI Act 1992 for approving programs of instruction

And

WHEREAS, the College of the Marshall Islands is charged under the CMI Act 1992 with the responsibility to “provide for such services as . . . adult vocational education”

And

WHEREAS, the Curriculum Committee and the Executive Council of the College of the Marshall Islands have recommended the program requirements, program learning outcomes, and program description for the Certificate of Completion in Automotive Service Technology to meet the needs demonstrated in the Kwajalein Training Needs Assessment

And

WHEREAS, the Budget Committee and the Executive Council of the College of the Marshall Islands have recommended the budget for the program

NOW, THEREFORE, BE IT RESOLVED:

That the College of the Marshall Islands Board of Regents approves the Certificate of Completion in Automotive Service Technology to be offered on Ebeye.

I, Kathryn Relang, Chair of the Board of the College of the Marshall Islands, do hereby certify that the above is a true and correct copy of a resolution adopted at the meeting of the Boards College of the



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Marshall Islands on March 8, 2022 at which a quorum was present and voted.

A handwritten signature in blue ink, appearing to read 'Kathryn Relang'.

Kathryn Relang
Chair, Board of Regents
College of the Marshall Islands

CMI PROGRAM CURRICULUM PROGRAM ACTION

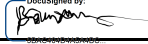
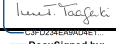
Program Name: Certificate of Completion in Automotive Service Technology

Program Type: _____ Bachelor's Degree (120-150 credits, with at least 40 upper division credits and 36 general education credits, including 9 upper division general education credits)
 _____ Associate Degree (60-75 credits)
 _____ Advanced Specialization Certificate (24-36 credits, half upper division)
 _____ **X** _____ Certificate of Completion (24-36 credits)
 _____ Certificate of Achievement (15 or fewer credits)

Type of Action:

- X New Program (attach budget approved by the budget committee and approved course outlines)
 Connection to College planning document(s): This certificate of completion falls under Outcome 1.9 of the Strategic Plan: Outcome 1.9: Students have increased opportunities for career & technical education (CTE)
- _____ Substantive Revision (attach narrative justification for changes, most recent program review, budget approved by the budget committee, and approved course outlines)
- _____ Non-substantive Revision (attach most recent program review and approved course outlines)
- _____ Reinstitution of Archived Program (attach budget approved by the budget committee and approved course outlines)
 Connection to College planning document(s): _____
- _____ Reaffirmation of Program (only allowable if program completion rate exceeds ISS, the benchmark has been met for the majority of PLO assessments, and there is no evidence of inequitable levels of achievement across subpopulations; attach most recent program review and approved course outlines)

Approvals:

	Name	Signature	Date
Department Chair	Rigietta Lord		2/21/2022
Curriculum Committee Chair	Oyinade Ogunmokun		2/22/2022
Dean	Rigietta Lord		2/22/2022
VPASA	Dr. Elizabeth Switaj		2/22/2022
President*	Dr. Irene Taafaki		3/3/2022
BOR Chair*	Kathryn Relang		3/8/2022

*Required for new programs, substantive changes to programs, and reinstitutions of programs only.

CMi PROGRAM CURRICULUM

Program Guide

Program Name: Certificate of Completion in Automotive Service Technology (CC-AST)

Department: WAVES

Meta-major: Vocational

Transfer major(s): NA

Total Credits: 33 **Semesters to Complete:** 4 semesters minimum

Note: this program has been adapted, with permission, from the Guam Community College Certificate in Automotive Service Technology program.

Program purpose:

The aim of the CC-AST is to comprehensively prepare students to acquire skill competencies, develop the right attitude towards their specialized field of work, and to cultivate behavior and conduct that will ensure a successful career in automotive service technology. It is also anticipated that the acquired skills will not only enable graduates to contribute to the development of the country, but that their qualifications and standards of performance will be transferable to other job markets outside of the Marshall Islands.

Courses from the program may also serve as the in-classroom component of a Registered Apprenticeship. (Registered Apprenticeships are currently under development.) It is anticipated that most students will enroll part-time outside of regular working hours.

Summary description of program content:

The CC-AST offers entry-level training sufficient for employee success in automotive technician positions. Skills acquired in this program also apply directly to the occupational areas including diesel mechanics, small engine repair, generator repair, marine engine service, fleet service, repair service order writing, and entry level automotive service management.

Graduates of the AST Certificate program demonstrate the foundational skills and knowledge to pursue further study in power plant mechanics, marine/diesel repair and automotive engineering in the automotive manufacturing industry.

One credit-level math course and one credit-level oral communication course have been included in this certificate program because of employers' expressed need for math and English skills.

Need or demand for program:

The course is based on the skills assessment study/survey conducted on the technical training needs of the workforce at USAKA, Kwajalein and Ebeye. It is intended to be offered on Ebeye.

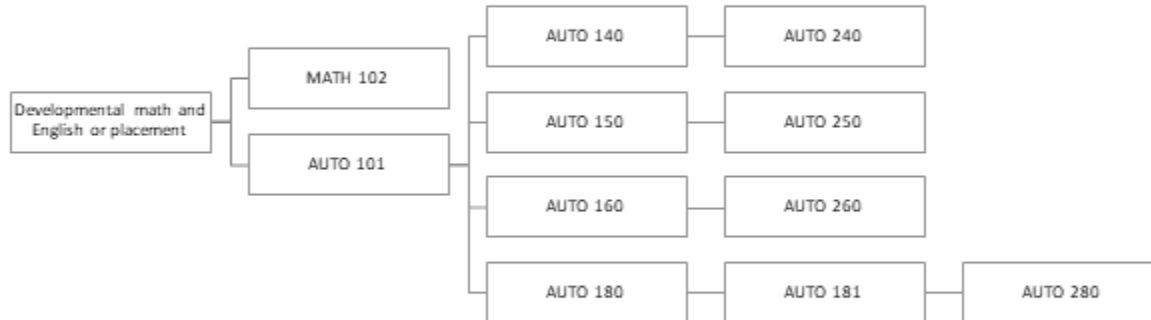
Connection to College mission:

This program specifically engages students in Career and Technical Education, one of the key types of program named in the college mission statement.

Connection to department mission:

Career and Technical Education is part of the mission of WAVES.

Prerequisite map:



Courses that are key to student progress and how students will be supported in them:

AUTO 101 is the key gateway course for this program. The instructor for this course will be awarded one additional credit equivalency to provide three hours per week of optional supplemental instruction.

Developmental English and math may be needed in order to reach AUTO 101. Support for English and math skills will be provided by the Center Coordinator and/or through online tutoring with personnel located in Majuro.

Intended post-graduation outcomes for students:

Graduates of the proposed CC-AST will have received comprehensive preparation for work in the automotive service industry. They may also elect to continue into the proposed AS-AST (under development).

Outcomes

Program Learning Outcome	Linked ISLO	Explanation
1. Explain the purposes and proper functioning of the core components of an automotive engine.	ISLO 2: The CMI graduate will be knowledgeable and respectful of his or her own culture and respect the cultures of others.	Explaining technical knowledge to others requires an understanding of their linguistic and cultural background to be effective.
2. Perform a cylinder compression cranking test.	ISLO 3: The CMI graduate will use skills and knowledge to the economic, political, intellectual, social, and ethical benefit of local communities, the RMI, and the global community.	Technical skills are in high demand and of economic importance in the RMI.
3. Demonstrate the proper use of a digital multimeter (DMM) during diagnosis of electrical circuit problems.	ISLO 3: The CMI graduate will use skills and knowledge to the economic, political, intellectual, social, and ethical benefit of local communities, the RMI, and the global community.	Technical skills are in high demand and of economic importance in the RMI.
4. Diagnose, adjust, repair, or replace automotive components.	ISLO 3: The CMI graduate will use skills and knowledge to the economic, political, intellectual, social, and ethical benefit of local communities, the RMI, and the global community. ISLO 4: The CMI graduate will make innovative, informed, and responsible decisions based on evidence.	Technical skills are in high demand and of economic importance in the RMI. Automotive Service Technicians make repair decisions based on the evidence available from diagnostic tests.
5. Develop a career plan and understand the choices and behaviors that will allow that plan to be fulfilled.	ISLO 1: The CMI graduate will have life-goals and will know how to use available resources to achieve those goals.	A career plan represents a key type of life goal.
6. Implement appropriate health and safety practices in the workplace.	ISLO 5: The CMI graduate will understand the importance of mental and physical well-being and be able to make personal decisions leading to a healthy lifestyle.	Occupational safety and health is a key element of mental and physical well-being.

<u>COURSE</u>	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6
AUTO 101	I	I	I	I	I	I
ENG 105					I	
MATH 102			I			
AUTO 140				P	P	P
AUTO 150				P		
AUTO 160			P	P		P
AUTO 180	P	P		P		
AUTO 181		M		P		P
AUTO 240				M	M	M
AUTO 250			M	M	M	M
AUTO 260			M	M	M	M
AUTO 280	M			M	M	M

Resources required

Human resources: AUTO courses will initially be taught by adjunct instructors from CMI's employer partners. MATH 102 and ENG 105 will be taught via live Zoom sessions, by instructors located on Majuro unless demand in any given semester allows a local adjunct to be hired.

Physical resources: Until such time as CMI is able to build its own facility, the facilities at Public Works will be used for practical, hands-on instruction within this program. Courses will require an alignment lift, a computerized alignment diagnostic tool, 4-wheel alignment equipment, a tire mounting machine, and a wheel balancer. There will be on-going purchases of cutter pins, penetrating oil, wheel-bearing grease, and power steering fluid.

Materials and supplies include: Battery starter/charging system tester and multi-meter testers, electrical insulating tape, heat shrink tubing insulators, stranded wires, solder wires, electrical connectors, fuses, bulbs and relays. Safety supplies including gloves, antibiotic soap, and ear plugs. Sufficient quantities of automotive tools and equipment to be specified by the instructor and based on number of students. Personal protective gear will be needed for all students.

Technical resources: Standard classroom technical resources and Moodle.

Library and learning support resources: Library is requested to stock copies of all recommended texts.

COLLEGE OF THE MARSHALL ISLANDS

Program Name

Program Sheet – Effective Fall 2022

Name _____			
Last Name		First Name	Middle
Date of Birth _____	High School _____		
Date of Graduation _____	Matriculation _____	Student ID # _____	
Contact # _____	E-mail _____		

	Term	Grade	Credits
Program Requirements			
AUTO 101 Introduction to Automotive Services	_____	_____	_____
MATH 102 Survey of Mathematics	_____	_____	_____
ENG 105 Fundamentals of Speech	_____	_____	_____
AUTO 140 Suspension and Steering	_____	_____	_____
AUTO 150 Brake Systems	_____	_____	_____
AUTO 160 Electrical/Electronic Systems	_____	_____	_____
AUTO 180 Engine Performance I	_____	_____	_____
AUTO 181 Engine Performance II	_____	_____	_____
AUTO 240 Theory/Practicum: Suspension & Steering	_____	_____	_____
AUTO 250 Theory/Practicum: Brakes	_____	_____	_____
AUTO 260 Theory/Practicum: Electrical/Electronic Systems	_____	_____	_____
AUTO 280 Theory/Practicum: Engine Performance	_____	_____	_____

Total Credits**33 Credits**Approved: February 7, 2022



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Marshall Islands on March 8, 2022 at which a quorum was present and voted.

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Kathryn Relang
Chair, Board of Regents
College of the Marshall Islands

CMI PROGRAM CURRICULUM PROGRAM ACTION

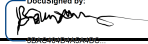
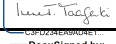
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Type of Action:

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 Connection to College planning document(s): This certificate of completion falls under Outcome 1.9 of the Strategic Plan: Outcome 1.9: Students have increased opportunities for career & technical education (CTE)
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Approvals:

	Name	Signature	Date
Department Chair	Rigietta Lord		2/21/2022
Curriculum Committee Chair	Oyinade Ogunmokun		2/22/2022
Dean	Rigietta Lord		2/22/2022
VPASA	Dr. Elizabeth Switaj		2/22/2022
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Need or demand for program:

The course is based on the skills assessment study/survey conducted on the technical training needs of the workforce at USAKA, Kwajalein and Ebeye. It is intended to be offered on Ebeye.

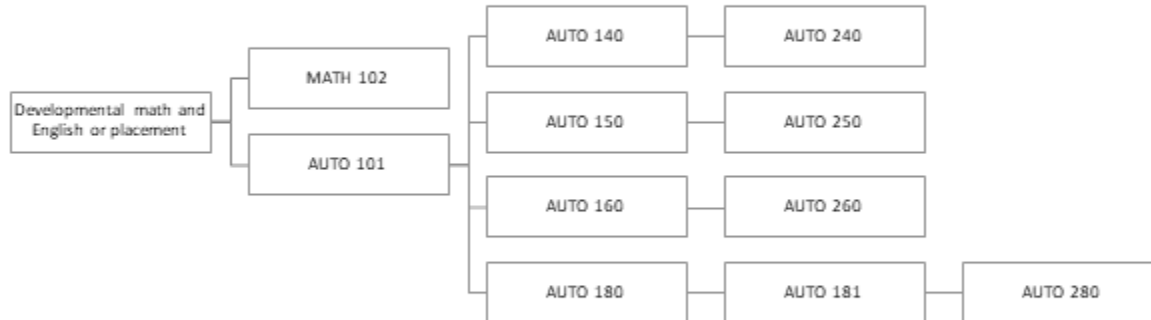
Connection to College mission:

This program specifically engages students in Career and Technical Education, one of the key types of program named in the college mission statement.

Connection to department mission:

Career and Technical Education is part of the mission of WAVES.

Prerequisite map:



Courses that are key to student progress and how students will be supported in them:

AUTO 101 is the key gateway course for this program. The instructor for this course will be awarded one additional credit equivalency to provide three hours per week of optional supplemental instruction.

Developmental English and math may be needed in order to reach AUTO 101. Support for English and math skills will be provided by the Center Coordinator and/or through online tutoring with personnel located in Majuro.

Intended post-graduation outcomes for students:

Graduates of the proposed CC-AST will have received comprehensive preparation for work in the automotive service industry. They may also elect to continue into the proposed AS-AST (under development).

Outcomes

Program Learning Outcome	Linked ISLO	Explanation
1. Explain the purposes and proper functioning of the core components of an automotive engine.	ISLO 2: The CMI graduate will be knowledgeable and respectful of his or her own culture and respect the cultures of others.	Explaining technical knowledge to others requires an understanding of their linguistic and cultural background to be effective.
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5. Develop a career plan and understand the choices and behaviors that will allow that plan to be fulfilled.	ISLO 1: The CMI graduate will have life-goals and will know how to use available resources to achieve those goals.	A career plan represents a key type of life goal.
6. Implement appropriate health and safety practices in the workplace.	ISLO 5: The CMI graduate will understand the importance of mental and physical well-being and be able to make personal decisions leading to a healthy lifestyle.	Occupational safety and health is a key element of mental and physical well-being.

<u>COURSE</u>	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6
AUTO 101	I	I	I	I	I	I
ENG 105					I	
MATH 102			I			
AUTO 140				P	P	P
AUTO 150				P		
AUTO 160			P	P		P
AUTO 180	P	P		P		
AUTO 181		M		P		P
AUTO 240				M	M	M
AUTO 250			M	M	M	M
AUTO 260			M	M	M	M
AUTO 280	M			M	M	M

Resources required

Human resources: AUTO courses will initially be taught by adjunct instructors from CMI's employer partners. MATH 102 and ENG 105 will be taught via live Zoom sessions, by instructors located on Majuro unless demand in any given semester allows a local adjunct to be hired.

Physical resources: Until such time as CMI is able to build its own facility, the facilities at Public Works will be used for practical, hands-on instruction within this program. Courses will require an alignment lift, a computerized alignment diagnostic tool, 4-wheel alignment equipment, a tire mounting machine, and a wheel balancer. There will be on-going purchases of cutter pins, penetrating oil, wheel-bearing grease, and power steering fluid.

Materials and supplies include: Battery starter/charging system tester and multi-meter testers, electrical insulating tape, heat shrink tubing insulators, stranded wires, solder wires, electrical connectors, fuses, bulbs and relays. Safety supplies including gloves, antibiotic soap, and ear plugs. Sufficient quantities of automotive tools and equipment to be specified by the instructor and based on number of students. Personal protective gear will be needed for all students.

Technical resources: Standard classroom technical resources and Moodle.

Library and learning support resources: Library is requested to stock copies of all recommended texts.

COLLEGE OF THE MARSHALL ISLANDS

Program Name

Program Sheet – Effective Fall 2022

Name _____			
Last Name		First Name	Middle
Date of Birth _____	High School _____		
Date of Graduation _____	Matriculation _____	Student ID # _____	
Contact # _____	E-mail _____		

	Term	Grade	Credits
Program Requirements			
AUTO 101 Introduction to Automotive Services	_____	_____	_____
MATH 102 Survey of Mathematics	_____	_____	_____
ENG 105 Fundamentals of Speech	_____	_____	_____
AUTO 140 Suspension and Steering	_____	_____	_____
AUTO 150 Brake Systems	_____	_____	_____
AUTO 160 Electrical/Electronic Systems	_____	_____	_____
AUTO 180 Engine Performance I	_____	_____	_____
AUTO 181 Engine Performance II	_____	_____	_____
AUTO 240 Theory/Practicum: Suspension & Steering	_____	_____	_____
AUTO 250 Theory/Practicum: Brakes	_____	_____	_____
AUTO 260 Theory/Practicum: Electrical/Electronic Systems	_____	_____	_____
AUTO 280 Theory/Practicum: Engine Performance	_____	_____	_____

Total Credits**33 Credits**Approved: February 7, 2022