

THE UNIVERSITY OF HAWAII - KAPI'OLANI COMMUNITY COLLEGE

CERTIFICATE OF COMPETENCE IN MACHINE LEARNING

Effective Fall 2026

A grade of "C" or higher must be earned in all courses required for this certificate.

16 Semester Credits Total

SEMESTER ONE (10 Credits)	COURSE	CR	GR
ICS 110P (Introduction to Computer Programming: Python) Recommended preparation: ICS 100, ICS 101, or computer experience.			
ICS 141 (Discrete Mathematics for Computer Science I) Prereq(s): Qualification for Math 135 or higher or consent of instructor. Recommended preparation: ICS 111.			
MATH 241 (Calculus 1) Prereq(s): "C" or higher in MATH 140 or qualification for MATH 205 or qualification for MATH 241.			
SEMESTER TWO (6 Credits)	COURSE	CR	GR
ICS 235 (Machine Learning Methods) Prereq(s): "C" or higher in ICS 110P and grade of "C" or higher in MATH 215 or MATH 241 or qualification for MATH 242 or a higher level mathematics course; or consent of instructor.			
ICS 241 (Discrete Mathematics for Computer Science II) Prereq(s): "C" or higher in ICS 141 or consent of instructor.			

Revised 08.14.26

This is a sample academic plan.

Advising: Maida Kamber Center for Career Exploration, Transfer & Graduation (‘Ilima 104, 808-734-9500, mkcinfo@hawaii.edu)

The STEM program offers tutoring, internship, scholarship support. Visit <http://kccstem.com>.