



Students enrolled in **MS in Applied Data Science and AI** program can substitute any industry certifications listed below for one or more approved courses in the program up to 12 credit hours (3 courses). Students must provide a certification validation number or similar identification to verify successful completion.

INDUSTRY CERTIFICATION	APPROVED COURSES
PCEP CERTIFIED ENTRY-LEVEL PYTHON PROGRAMMER ⁴	Foundations in Python Programming COMP 3005
PCEP CERTIFIED ASSOCIATE PYTHON PROGRAMMER ⁵	Foundations in Python Programming COMP 3005 Python Software Development COMP 3006
ORACLE CERTIFIED FOUNDATIONS ASSOCIATE, DATABASE ⁶	Database Organization and Management COMP 3421
MICROSOFT CERTIFIED: AZURE DATABASE ADMINISTRATOR ASSOCIATE ⁷	Database Organization and Management COMP 3421
MICROSOFT CERTIFIED: AZURE DATA ENGINEER ASSOCIATE ⁸	Parallel and Distributed Computing COMP 4334
DATABRICKS CERTIFIED DATA ENGINEER ASSOCIATE ⁹	Database Organization and Management COMP 3421 Parallel and Distributed Computing COMP 4334
DATABRICKS MACHINE LEARNING ENGINEER ASSOCIATE ¹⁰	Machine Learning Operations COMP 4450
DATABRICKS CERTIFIED GENERATIVE AI ENGINEER ASSOCIATE ¹¹	Large Language Models for Data Science COMP 4451
AWS CERTIFIED MACHINE LEARNING ENGINEER ASSOCIATE OR CERTIFIED DATA ENGINEER ¹²	Machine Learning Operations COMP 4450