

T431 Applied A.I. Solutions Development 2024-2025 Pathway

Semester 1: September 2024 or January 2025			Delivery
Course Code	Course Title	Prerequisites	Hrs/wk
AASD 4000	Machine Learning I		12 for 4 weeks
AASD 4001	Applied Mathematical Concepts for Machine Learning		8 for 4 weeks
AASD 4002	Foundations of Data Management		12 for 3 weeks
AASD 4003	Ethics and Law for Data Science		8 for 3 weeks
AASD 4004	Machine Learning II	AASD 4000	12 for 4 weeks
AASD 4008	Big Data Tools and Techniques I	AASD 4001	8 for 4 weeks
AASD 4006	Data Visualization Techniques	AASD 4002	12 for 3 weeks
AASD 4007	Design Thinking for AI Solutions		8 for 3 weeks
		Total Hours	20/week
Semester 2: January 2025 or May 2025			Hrs/wk
Course Code	Course Title	Prerequisites	Hrs/wk
AASD 4010	Deep Learning I	AASD4004	12 for 4 weeks
AASD 4011	Applied Mathematical Concepts for Deep Learning		8 for 4 weeks
AASD 4009	Big Data Tools and Techniques II	AASD4006	12 for 3 weeks
AASD 4013	Agile Project Management Methodologies		8 for 3 weeks
AASD 4014	Deep Learning II	AASD 4010	12 for 4 weeks
AASD 4015	Advanced Applied Mathematical Concepts for Deep Learning	AASD 4011	8 for 4 weeks
AASD 4016	Full Stack Data Science Systems		12 for 3 weeks
AASD 4017	Presenting Data Science-driven Solutions		8 for 3 weeks
COMP 4064	Career Planning and Portfolio Development		3 (Weekly)
		Total Hours	23/week
Semester 3: May 2025 or September 2025			Hrs/wk
Course Code	Course Title	Prerequisites	Hrs/wk
TCOP 4020	Co-op		360 hrs
Or			
AASD 4020	Work Integrated Project		4
Pathway Subject to Change			