

T431 Applied A.I. Solutions Development 2021-2022 Pathway			
Semester 1: September 2021 or January 2022			
Course Code	Course Title	prerequisites	Hrs/wk
AASD 4000	Machine Learning I		12 for 4 weeks
AASD 4001	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 4005	Advanced Mathematical Concepts for Machine Learning	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 2022 or May 2022			
Course Code	Course Title		Hrs/wk
AASD 4010	Deep Learning I	AASD4004	12 for 4 weeks
AASD 4011	Mathematical Concepts for Deep Learning	AASD4005	8 for 4 weeks
AASD 4012	Big Data Tools and Techniques	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 Mathematical Concepts for Deep Learning	AASD 4011	8 for 4 weeks
AASD 4016	Full Stack Data Science Systems	AASD 4012	12 for 3 weeks
AASD 4017	Presenting Data Science-driven Solutions		8 for 3 weeks
AASD 4018	Work Term Preparation		2 (Weekly)
		Total Hours	22/week
Semester 3: May 2022 or September 2022			
Course Code	Course Title		Hrs/wk
TCOP 4020	Co-op		360 hrs
Or			
AASD 4020	Work Integrated Project		4
Pathway Subject to Change			