

T431 Applied A.I. Solutions Development 2021-2022 Pathway

Semester 1: September 2021 or January 2021		
Course Code	Course Title	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	12 for 4 weeks
AASD 4005	Advanced Mathematical Concepts for Machine Learning	8 for 4 weeks
AASD 4006	Data Visualization Techniques	12 for 3 weeks
AASD 4007	Design Thinking for AI Solutions	8 for 3 weeks
Total Hours		20/week
Semester 2: Winter 2022 or Summer 2022		
Course Code	Course Title	Hrs/wk
AASD 4010	Deep Learning I	12 for 4 weeks
AASD 4011	Mathematical Concepts for Deep Learning	8 for 4 weeks
AASD 4012	Big Data Tools and Techniques	12 for 3 weeks
AASD 4013	Agile Project Management Methodologies	8 for 3 weeks
AASD 4014	Deep Learning II	12 for 4 weeks
AASD 4015	Advanced Mathematical Concepts for Deep Learning	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
AASD 4018	Work Term Preparation	2 (Weekly)
Total Hours		22/week
Semester 3: 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		