

**T431 Applied A.I. Solutions Development 2022-2023 Pathway**

<b>Semester 1: September 2022 or January 2023</b>			<b>Delivery</b>
<b>Course Code</b>	<b>Course Title</b>	<b>prerequisites</b>	<b>Hrs/wk</b>
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 4005	Advanced Applied 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
		<b>Total Hours</b>	<b>20/week</b>
<b>Semester 2: January 2023 or May 2023</b>			
<b>Course Code</b>	<b>Course Title</b>		<b>Hrs/wk</b>
AASD 4010	Deep Learning I	AASD4004	12 for 4 weeks
AASD 4011	Applied 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 Applied 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)
		<b>Total Hours</b>	<b>22/week</b>
<b>Semester 3: May 2023 or September 2023</b>			
<b>Course Code</b>	<b>Course Title</b>		<b>Hrs/wk</b>
TCOP 4020	Co-op		360 hrs
Or			
AASD 4020	Work Integrated Project		4
<b>*Pathway Subject to Change*</b>			