MACHINE LEARNING CERTIFICATE

Degree: Certificate

Major: Machine Learning

Total Hours: 15

Code	Title	Hours
Required Courses		
ELEN 5301	Special Topics	3
or COSC 5340	Special Topics	
COSC 5311	Data Mining	3
or INEN 5382	Enterprise Bus Intelligence	
CPSC 5375	Machine Learning	3
Elective Courses		
Select two courses from one of the disciplines below:		6
Intelligient Chemical Process Control		
CHEN 6368	Art Neural Networks/FZ Logic	
CHEN 6352	Advanced Process Control	
Intelligent Industrial Systems		
INEN 5381	Heuristic Algorithms	
INEN 5394	Engineering Database Design	
INEN 5333	Operations Research II	
INEN 5321	Quality Control Systems	
Intelligent Machines		
ELEN 5336	Instrumentation Systems & Automation	
ELEN 5314	Robotics Systems	
INEN 5396	Automated System Engineering	
INEN 5358	Intro Robotics	
Intelligent Computer Systems		
COSC 5340	Special Topics	
COSC 5340	Special Topics (Data Science and Big Data Analysis)	
Total Hours		**15**