

MACHINE LEARNING CERTIFICATE

Degree: Certificate

Major: Machine Learning

Concentration: None

Total Hours: 15

Code	Title	Hours
Required Courses		
ELEN 5301 or COSC 5340	Special Topics	3
COSC 5311 or INEN 5382	Data Mining Enterprise Bus Intelligence	3
CPSC 5375	Machine Learning	3
Elective Courses		
Select two courses from one of the disciplines below:		6
<i>Intelligent Chemical Process Control</i>		
CHEN 6368	Art Neural Networks/FZ Logic	
CHEN 6352	Advanced Process Control	
<i>Intelligent Industrial Systems</i>		
INEN 5381	Heuristic Algorithms	
INEN 5394	Engineering Database Design	
INEN 5333	Operations Research II	
INEN 5321	Quality Control Systems	
<i>Intelligent Machines</i>		
ELEN 5336	Instrumentation Systems & Automation	
ELEN 5314	Robotics Systems	
INEN 5396	Automated System Engineering	
INEN 5358	Intro Robotics	
<i>Intelligent Computer Systems</i>		
COSC 5340	Special Topics ¹	
COSC 5340	Special Topics (Data Science and Big Data Analysis)	
Total Hours		15

¹ See your advisor for applicable topics