

INTELLIGENT MACHINE LEARNING

Bachelor of Applied Science Checklist

- Review the Program Admission requirements.
- View the General Education Matrix for a complete list of qualifying courses.
- Fulfill the College Degree Requirements in conjunction with this degree plan.
- Consult an Academic Advisor to ensure all academic requirements are met.

Summary

Foundation	41
Major	32
General Education	36
Digital Literacy	
Electives	11
Total Credits	120

Degree Plan

Foundation

CIS 185	Introduction to Programming	3
CIS 197	Cooperative Education/Internship	3
CIS 204	Database Design and Structured Query Language (SQL)	3
CSCI 160	Computer Science I	4
CSCI 161	Computer Science II	4
MATH 104	Finite Mathematics	3
MATH 146	Applied Calculus I	3
AI 100	Introduction to Artificial Intelligence	3
AI 110	Introduction to Machine Learning	3
AI 210	Introduction to Natural Language Processing	3
AI 220	Introduction to Computer Vision	3
AI 230	Artificial Intelligence for Business Solutions	3
AI 240	Artificial Intelligence Capstone Project	3
Total Credits		41

Major

AI 300	Artificial Intelligence	3
AI 310	Machine Learning	3
AI 360	Computational Methods for AI & ML	3
AI 340	IML Capstone Project I	1
AI 410	Natural Language Processing	3
AI 420	Computer Vision	3
AI 450	Deep Learning	3
AI 460	AI Ethics	3
AI 470	Generative AI	3
AI 440	IML Capstone Project II	1
AI 397	Cooperative Education/Internship	3
AI 497	Cooperative Education/Internship	3
Total Credits		32

General Education

Written Communications

ENGL 110	College Composition I	3
Select one of the following:		3
ENGL 120	College Composition II	
ENGL 125	Introduction to Professional Writing	
Credits Subtotal		6

Oral Communications

COMM 110	Fundamentals of Public Speaking	3
Credits Subtotal		3

Arts & Humanities

CIS 280	Cyber Ethics	3
Select 3 credits from the "Arts & Humanities" categories on the General Education matrix.		3
Credits Subtotal		6

Social & Behavioral Sciences

Select 6 credits from the "Social & Behavior Sciences" category on the General Education matrix.		6
Credits Subtotal		6

Business, Math, Science & Technology

MATH 210	Elementary Statistics	3
CIS 147	Principles of Information Security	3
Select 9 credits from the "Business, Math, Science and Technology" categories on the General Education matrix.		9
Credits Subtotal		15

General Education Total Credits		36
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Digital Literacy

Select one of the following:

ENGL 110	College Composition I	
NDUS Institution Approved Training Course		
NDUS Institution Designated Digital Literacy Course		

Electives

Open Electives

Any course(s) not used to additionally fulfill a requirement on this degree plan.		11
Total Credits		11