Associate Degree in

Artificial Intelligence and Machine Learning

Overview:

Artificial Intelligence (AI) and Machine Learning focuses on building machine learning models that can be used for predicting, making decisions, and enhancing human capabilities. The program prepares students for entry-level positions in a variety of fields using artificial intelligence, including the information technology, automotive, healthcare, aerospace, industrial, and manufacturing industries. Program content includes an introduction to artificial intelligence and machine learning, natural language processing, computer vision, and artificial intelligence for business solutions and other applications. The curriculum also includes coursework in computer programming, math, engineering, and statistics.

According to Ziprecruiter.com, the outlook for AI careers is excellent, citing the United States Bureau of Labor Statistics predicting a 13 percent jump in computer-related occupations between 2016 and 2026.

Students in the AI and Machine Learning program have access to state-of-the-art labs and equipment including:

- Computer Vision Cameras
- Data Analytics Software
- Teachable Machine Software
- Fleet of Autonomous Ground and Air Vehicles

Highlights:

- AI and machine learning jobs have jumped by almost 75 percent over the past four years and are poised to keep growing.
- The machine learning engineer career was recently cited as the second most sought-after Artificial Intelligence job.

Employment:

- Computer and Information Research Scientist
- Other Computer Occupations
- Computer Programmers
- Software Developers and Software QA Analyst and Testers Computer

Starting Salary:

- $19 per hour
  (salary data from O*NET)

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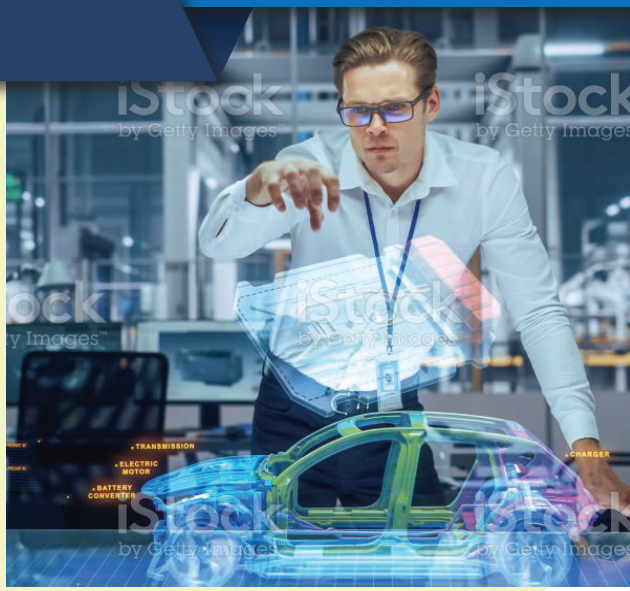
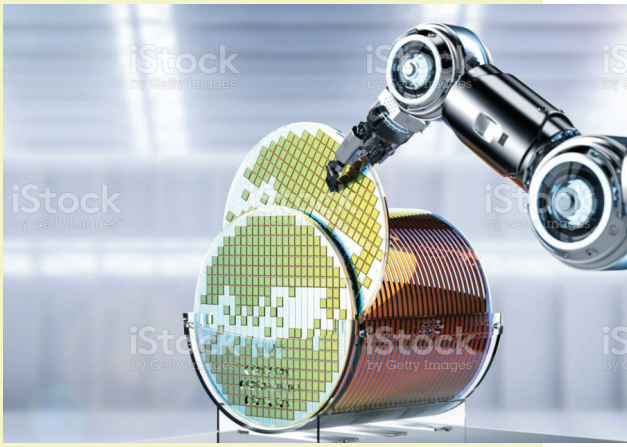
Contact the Admissions Office
for more information

enroll@rhodesstate.edu
419-995-8320

Artificial Intelligence (AI) and Machine Learning
Curriculum

Course	Description	Credit Hours
Pre-requisite Semester		
COM 1110	English Composition	3
CPT 1050 or CPT 1250	Technology Basics for IT Pro or Computer Applications in the Workplace	3
MTH 1260	Statistics	3
PSY 1010 or SOC 1010	General Psychology or Sociology	3
SDE 1010	First Year Experience	1
	Semester Total	**13**
First Year | First Semester		
AIM 1000	Introduction to Artificial Intelligence	3
HST 1610	American History to 1877	3
MTH 1711	Calculus I	5
POL 1010	Introduction to Political Science	3
	Semester Total	**14**
First Year | Second Semester		
COM 1140	Technical Writing	3
CPT 1110	Introduction to Programming Logic and Design	3
CPT 2350	Database Programming	3
MTH 1721	Calculus II	5
	Semester Total	**14**
Second Year | First Semester		
AIM 1100	Introduction to Machine Learning	3
AIM 2991	AIM Field Experience	1
LIT 2210 or LIT 2215	Introduction to Literature or Native American Literature	3
PHY 1120	Physics I	4
	Semester Total	**11**
Second Year | Second Semester		
AIM 2200	Natural Language Processing	3
AIM 2220	Artificial Intelligence for Computer Vision	3
AIM 2970	AIM Capstone	2
PHY 1130	Physics II	4
	Semester Total	**12**
	Total Credit Hours	**64**





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