

# ARTIFICIAL INTELLIGENCE, CERTIFICATE OF COMPLETION

## Certificate Description

The Ocean County College Certificate of Completion in Artificial Intelligence provides students with the skills necessary to pursue a career in the exciting field of AI. The curriculum focuses on the study of Artificial Intelligence and the real-world applications where AI is utilized. This includes Machine Learning, Computer Vision, Natural Language Processing and Neural Networks. Students who achieve this certificate will have a firm understanding of Artificial Intelligence, the AI Project Lifecycle, various Machine Learning Algorithms such as Supervised and Unsupervised Learning, and Neural Networks.

Students who apply to this program are expected to either possess a degree in computer science with the necessary programming background or possess equivalent industry experience. Knowledge of math in statistics, probability, and calculus is also a required prerequisite.

## Certificate Requirements

Freshman		
First Semester		Credit Hours
CSIT 168	Introduction to Python Programming	2.00000
CSIT 191	Introduction to Artificial Intelligence	3
<b>Credit Hours</b>		<b>5</b>
Second Semester		
CSIT 192	Introduction to Machine Learning	3
CSIT 213	Database Management	3
<b>Credit Hours</b>		<b>6</b>
Sophomore		
First Semester		
CSIT 291	Computer Vision	3
CSIT 292	Natural Language Processing	3
<b>Credit Hours</b>		<b>6</b>
Second Semester		
CSIT 295	Artificial Intelligence Capstone	3
<b>Credit Hours</b>		<b>3</b>
<b>Total Credit Hours</b>		<b>20</b>