

# ARTIFICIAL INTELLIGENCE MINOR

This minor teaches the technical aspects of Artificial Intelligence, including machine learning, deep learning, computer vision, natural language processing, responsible and fair AI, and ethics of AI.

## Related Programs

### Minor

- Business of Applied Artificial Intelligence Minor (<https://catalog.luc.edu/undergraduate/business/business-applied-artificial-intelligence-minor/>)

## Curriculum

Code	Title	Hours
COMP 163	Discrete Structures	3
COMP 170	Introduction to Object-Oriented Programming	3
COMP 271	Data Structures I	3
COMP 317	Social, Legal, and Ethical Issues in Computing	3
COMP 329	Natural Language Processing	3
COMP 378	Artificial Intelligence	3
COMP 379	Machine Learning	3
COMP 387	Deep Learning	3
MATH 131	Applied Calculus I	3
<b>Total Hours</b>		<b>27</b>

**Note:** if this minor is declared by a CSEC-BS student (for example), this will be only 4 extra courses or 12 credit hours.

## Suggested Sequence of Courses

Course	Title	Hours
<b>Semester I</b>		
COMP 163	Discrete Structures	3
COMP 170	Introduction to Object-Oriented Programming	3
MATH 131	Applied Calculus I	3
	<b>Hours</b>	<b>9</b>
<b>Semester II</b>		
COMP 271	Data Structures I	3
COMP 317	Social, Legal, and Ethical Issues in Computing	3
	<b>Hours</b>	<b>6</b>
<b>Semester III</b>		
COMP 378	Artificial Intelligence	3
COMP 379	Machine Learning	3
	<b>Hours</b>	<b>6</b>
<b>Semester IV</b>		
COMP 329	Natural Language Processing	3
COMP 387	Deep Learning	3
	<b>Hours</b>	<b>6</b>
	<b>Total Hours</b>	<b>27</b>

## Undergraduate Policies and Procedures

Please see Undergraduate Policies and Procedures (<https://catalog.luc.edu/academic-standards-regulations/undergraduate/>) for academic policies that supersede those of academic units within the University.

## Learning Outcomes

- Fundamental Understanding of AI Techniques
- Hands-on Experience with AI Tools and Frameworks
- Ethical and Social Implications of AI