



MASTER OF SCIENCE IN

ARTIFICIAL INTELLIGENCE

ESTIMATED COMPLETION TIME 16 MONTHS



**AU STUDENT ENGAGED IN HANDS-ON
LEARNING AT THE ARTIFICIAL INTELLIGENCE LAB**

OVERVIEW

Step into the **fast-evolving world of Artificial Intelligence** with Atlantis University's **Master of Science in AI (MSAI)**—a program designed to shape the next generation of **AI innovators, problem-solvers, and industry leaders**.

- + Industry-Driven Curriculum – Master machine learning, deep learning, NLP, robotics, and AI ethics through hands-on projects and cutting-edge research.
- + Real-World Applications – Gain practical experience applying AI in healthcare, finance, cybersecurity, and business intelligence.
- + Leadership & Innovation – Develop the expertise to drive AI-powered solutions, tackle complex challenges, and create meaningful societal impact.

Join a **diverse, forward-thinking AI community** and prepare to lead in one of the world's most transformative fields.

YOUR AI JOURNEY STARTS HERE!

THE PROGRAM IS STRUCTURED AS FOLLOWS:

CORE COURSES

18 CREDIT HOURS

ELECTIVE COURSES

9 CREDIT HOURS

COMPETENCIES RESEARCH AND EVIDENCE

3 CREDIT HOURS

TOTAL PROGRAM:

30 CREDIT HOURS



KEY LEARNING OUTCOMES

THE **MASTER OF SCIENCE IN ARTIFICIAL INTELLIGENCE (MSAI)** AT ATLANTIS UNIVERSITY EQUIPS GRADUATES WITH THE EXPERTISE, TECHNICAL PROFICIENCY, AND ETHICAL MINDSET NEEDED TO THRIVE IN AI-DRIVEN INDUSTRIES AND ACADEMIA.

- + **Master Advanced AI Concepts** – Gain in-depth knowledge of machine learning, deep learning, NLP, robotics, and computer vision.
- + **Develop Real-World AI Solutions** – Apply AI techniques and algorithms to solve complex challenges in healthcare, finance, cybersecurity, and autonomous systems.
- + **Hands-On AI Implementation** – Build, train, and optimize AI models using Python, R, TensorFlow, PyTorch, and scikit-learn.
- + **Drive Research & Innovation** – Conduct independent AI research, analyze data, and contribute to cutting-edge advancements.
- + **Design & Deploy AI Systems** – Develop scalable, high-performance AI applications with a focus on security, reliability, and real-world impact.
- + **Champion Ethical AI** – Address bias, fairness, transparency, and accountability, ensuring AI is used responsibly for societal good.
- + **Communicate & Collaborate** – Work within multidisciplinary teams, translating complex AI concepts for diverse audiences.
- + **Stay Ahead in AI** – Commit to lifelong learning, keeping pace with emerging trends and technologies in the ever-evolving AI landscape.



OBJECTIVE

SHAPING AI INNOVATORS & ETHICAL LEADERS

The Master of Science in Artificial Intelligence (MSAI) at Atlantis University is designed to cultivate forward-thinking AI professionals who can bridge the gap between cutting-edge technology and real-world impact. This program provides a strategic, industry-driven education that prepares students to innovate, lead, and drive responsible AI transformation.



MISSION

- + **Develop AI Thought Leaders** – Build a strong foundation in AI strategy and applications, enabling graduates to guide AI-driven initiatives across industries.
- + **Bridge AI Theory & Industry Practice** – Move beyond theory with hands-on research, industry collaborations, and innovation-driven projects that prepare students to tackle complex AI challenges in business, healthcare, and technology.
- + **Advance Ethical & Responsible AI** – Shape AI professionals who understand the ethical, legal, and societal implications of AI, ensuring the development of fair, transparent, and accountable AI solutions.
- + **Empower Career Growth & Leadership** – Provide students with networking, internships, and exposure to top industry players, fostering career acceleration and leadership opportunities in AI.
- + **Promote Diversity & Collaboration in AI** – Create an inclusive, interdisciplinary learning environment that encourages students from all backgrounds to contribute to AI advancements through creativity and innovation.

PROGRAM OUTLINE

Students enrolled in the Master of Science in Artificial Intelligence (MSAI) program must complete the following for graduation:

CORE COURSES (18 CREDITS)

| COURSE NUMBER | COURSE NAME | CREDIT HOURS |
|---------------|--|----------------|
| MAI 500 | Artificial Intelligence | 3 credit hours |
| MAI 510 | Deep Learning | 3 credit hours |
| MAI 520 | Ethics in AI | 3 credit hours |
| MAI 540 | Machine Learning | 3 credit hours |
| MAI 560 | Planning, Search, and Reasoning Under Uncertainty | 3 credit hours |
| MAI 580 | Artificial Intelligence for Human-Computer Interaction | 3 credit hours |

ELECTIVE COURSES (9 CREDITS REQUIRED)

| | | |
|---------|--|----------------|
| MAI 600 | Natural Language Processing | 3 credit hours |
| MAI 610 | Optimization | 3 credit hours |
| MAI 620 | Advanced Applied Machine Learning | 3 credit hours |
| MAI 630 | Computer Vision | 3 credit hours |
| MAI 640 | Cognitive and Behavioral Foundations for Artificial Intelligence | 3 credit hours |
| MAI 650 | Deep Learning Developments with PyTorch | 3 credit hours |
| MAI 660 | Large Language Models: Theory and Practice | 3 credit hours |
| MAI 670 | Game Design and Analysis | 3 credit hours |
| MAI 680 | AI Generative | 3 credit hours |

FINAL RESEARCH PROJECT (3 CREDITS)

| | | |
|--------|------------------|----------------|
| MAI700 | Master's Project | 3 credit hours |
|--------|------------------|----------------|

THE U.S. BUREAU OF LABOR STATISTICS (BLS) PROVIDES COMPREHENSIVE DATA ON SALARIES AND JOB OUTLOOKS FOR VARIOUS OCCUPATIONS, INCLUDING THOSE RELEVANT TO ARTIFICIAL INTELLIGENCE (AI) PROFESSIONALS. BELOW IS AN OVERVIEW OF SELECT ROLES: ✕ ✕ ✕

COMPUTER AND INFORMATION RESEARCH SCIENTISTS

MEDIAN ANNUAL WAGE (MAY 2023): \$145,080

JOB OUTLOOK (2023–2033): Projected to grow 26%, much faster than the average for all occupations.

DATA SCIENTISTS

MEDIAN ANNUAL WAGE (MAY 2023): \$108,020

JOB OUTLOOK (2023–2033): Projected to grow 36%, much faster than the average for all occupations.

COMPUTER AND INFORMATION SYSTEMS MANAGERS

MEDIAN ANNUAL WAGE (MAY 2023): \$169,510

JOB OUTLOOK (2023–2033): Projected to grow 17%, much faster than the average for all occupations.

COMPUTER NETWORK ARCHITECTS

MEDIAN ANNUAL WAGE (MAY 2023): \$129,840

JOB OUTLOOK (2023–2033): Projected to grow 13%, much faster than the average for all occupations.

OVERALL COMPUTER AND INFORMATION TECHNOLOGY OCCUPATIONS

MEDIAN ANNUAL WAGE (MAY 2023): \$104,420

PERSPECTIVA LABORAL (2023–2033): Overall employment in these occupations is projected to grow much faster than the average for all occupations. About 356,700 openings are projected each year, on average, due to employment growth and the need to replace workers who leave these occupations permanently.



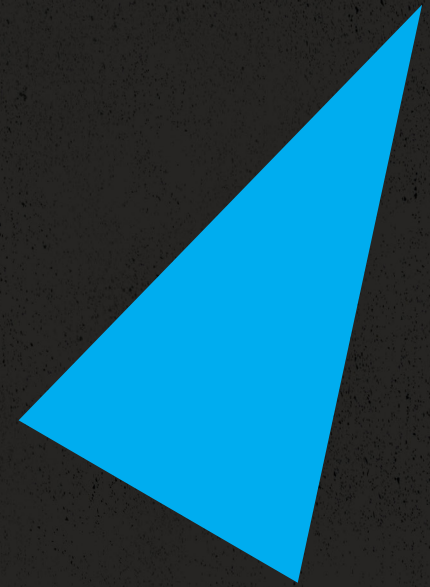
We're excited to connect with you and support your journey toward achieving your professional and personal goals.

LET'S TALK!

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