KENT STATE
UNIVERSITY

A FIELD GUIDE —

HOW TO GET A JOB IN ARTIFICIAL INTELLIGENCE

How to Use this Resource

Artificial intelligence (AI) serves as one of the most impactful disciplines of the 21st century, and in light of ongoing technological progress, careers in AI have become extremely sought-after in recent years.

As you consider obtaining a **master's degree in artificial intelligence**, we encourage you to read this resource in full or click below to skip to the topic that interests you most — get started now.

A STEM Degree for the Future:
Is a Master's in AI Worth It?

Self-driving cars, Siri, conversational bots, smart drilling rigs, Netflix recommendations — these are just a few of the many examples of artificial intelligence in existence today. Cutting-edge AI technology is propelling industries forward, and as such, new opportunities continue to emerge in countless fields.

What is artificial intelligence?

Artificial intelligence is a "wide-ranging branch of computer science concerned with building smart machines capable of performing tasks that typically require human intelligence."

If you want to enter this revolutionary field and develop the cutting-edge skills needed to envision, create and refine AT technologies, then obtaining a master's in artificial intelligence will give you a "preemptive advantage but long-term adaptability as well." Armed with a respected master's in AI, you will enter the workforce with the competitive edge needed to envision, create and refine AI technology in the field of your choosing.

At Kent State University, we offer a Master of Science in Artificial Intelligence — a rigorous, niche and competitive program for future leaders who want to improve the world through AI technology. You have the valuable opportunity to obtain an artificial intelligence degree that will transform your career; keep scrolling to learn more.

Understanding the Impacts and Benefits of Artificial Intelligence Today

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"If you've always wanted to uplift the general condition of human life in the world, artificial intelligence is certainly one field that has its sights more on the future and improving the way we live. With that said, this really provides plenty of opportunities for you to help bring about the kinds of change that you've always wanted to introduce to the world."

— **Becominghuman.ai**

Whether we recognize it or not, artificial intelligence is all around us and actually impacts most of our daily lives. Here are some examples of artificial intelligence across multiple industries.

Industries impacted by AI technology:

- Health care
- Sustainability
- Business
- Marketing
- Infrastructure
- Public health
- Agriculture
- Exploration
- Aviation
- Robotics

Examples of AI technology:

- Manufacturing robots
- Self-driving cars
- Smart assistants
- Proactive healthcare management
- Disease mapping
- Automated financial investing
- Virtual travel book agents
- Social media monitoring
- Conversational marketing bots
- Natural Language Processing (NLP) tools

Dynamic and Competitive:
How to Get a Job in Artificial Intelligence

"Traditional education can provide a strong framework for a career in AI. Earning a postgraduate degree can also help you apply a fresh, well-rounded perspective to AI. However, many students find networking easier within the context of graduate-level education."

— Computerscience.org

Since developments in AI impact nearly every industry, there are many careers in artificial intelligence available today. That said, the field is competitive, and breaking into the field takes dedication and drive — as well as specialized skills rooted in computer science and machine learning.

Master's degree in artificial intelligence → Career in AI technology

After completing a bachelor's degree in a related field such as mathematics, computer science, business analytics or cybersecurity, future leaders in AI technology should consider getting a graduate artificial intelligence degree.

Obtaining a master's in artificial intelligence is the most strategic way to develop the complex skills and tools needed to break into the industry and secure a lifelong, meaningful career in AI.
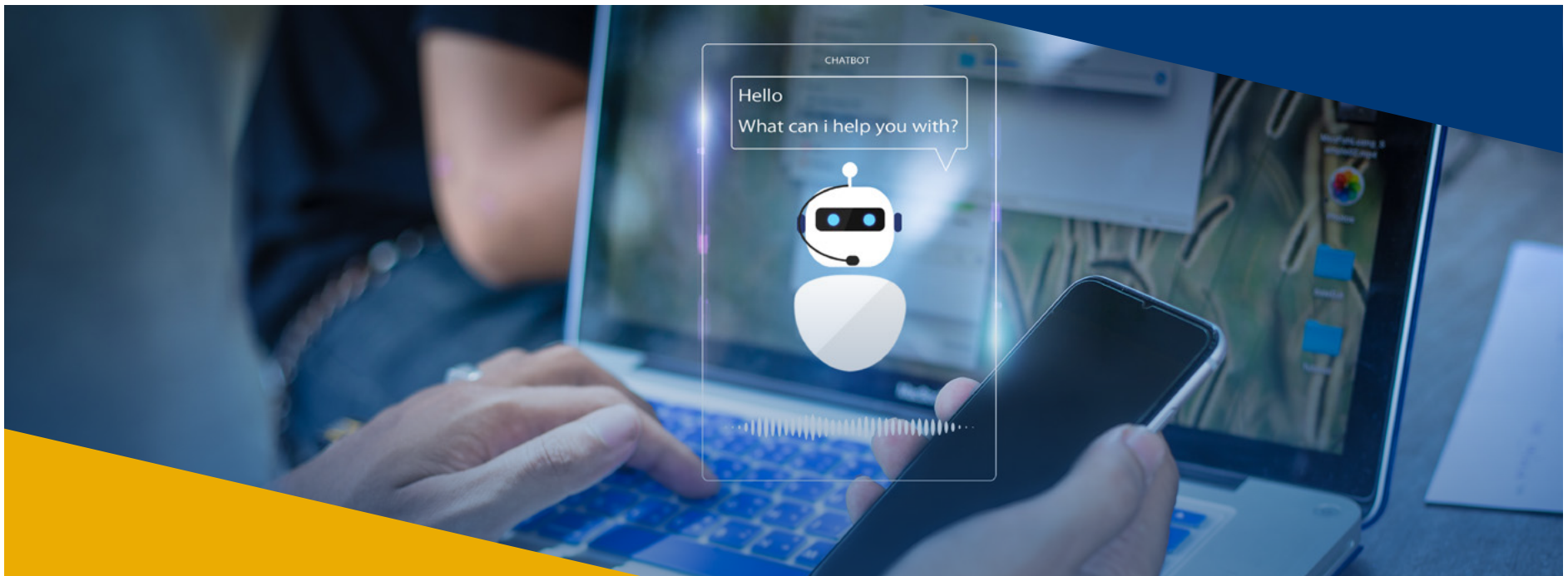
What is the Artificial Intelligence Career Outlook?

The field of artificial intelligence is expected to experience significant, long-term career growth — making it one of today's most sought-after industries.

Median salary → $126,000 per year

According to the Bureau of Labor Statistics, employment for computer and information research scientists is [projected to grow 22 percent from 2020 to 2030](#). This prediction includes artificial intelligence jobs. By 2030, the BLS also predicts that there will be 33,000 artificial intelligence-related jobs available.

An Inside Look at Kent State's Master's in Artificial Intelligence

Kent State University's [Master of Science in Artificial Intelligence](#) prepares students with a focused educational and research environment to develop career paths through necessary learning and training with emerging AI technologies and applications to **1)** intelligent analytics, **2)** smart homes and communities and **3)** robotics and automation.

Graduates will have technical knowledge and research and development skills necessary for applying artificial intelligence to industry, community, military including sectors requiring intelligent pattern-analysis of big data such as retail, healthcare, biology, psychology and intelligent human-machine interactions and interfaces.

Graduates of this program will be able to perform one or more of the following tasks:

- Combine intelligent analytics and automation, human-computer interaction and robotics techniques to optimize and automate, transportation, industrial process and/or healthcare processes.
- Apply machine learning techniques on big data to predict, classify, data mine and explore patterns.
- Apply intelligent visualization and Internet-based techniques for smart homes and communities.
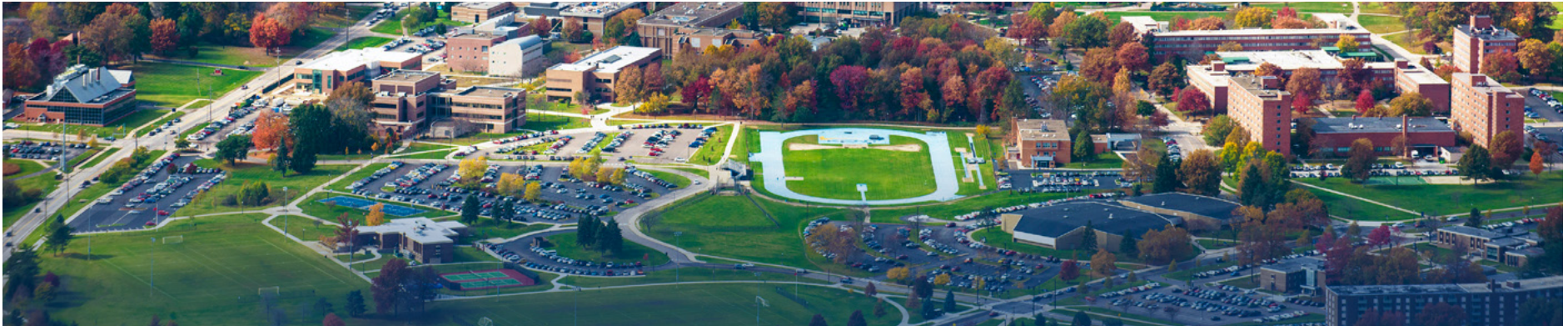- Perform research, discovery and integration by applying knowledge of AI theory and techniques.

Note: Students may choose a Culminating Experience (six credit thesis) for Thesis Pathway OR [(3-credit Capstone Project + 3-credit optional internship) OR 6-credit Capstone Projects] for Non-Thesis Pathway.

REQUEST MORE INFORMATION

VIEW ADMISSIONS REQUIREMENTS

Jumpstart Your AI Career at Kent State University!

At Kent State University, we are committed to developing the next generation of industry leaders who have the skills needed to make the world a better place. Armed with a master's degree in artificial intelligence from Kent State, you will enter the workforce with a competitive edge — ready to thrive in any of the countless industries that employ AI technology.

If you have any questions about transforming your future with a graduate degree from Kent State University, we encourage you to contact us!

Connect with Kent State University today.

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