ARTIFICIAL INTELLIGENCE (AI)

AI 201. Introduction to Artificial Intelligence. 3 Credit Hours.
In today's rapidly evolving technological landscape, understanding artificial intelligence (AI) is more important than ever. AI is transforming industries, driving innovation, and shaping the future of work and society. This course provides students with a foundational understanding of AI, equipping them with the knowledge and skills to navigate and contribute to this dynamic field. This course provides a comprehensive introduction to artificial intelligence (AI), offering students a blend of theoretical foundations, practical applications, and hands-on experience. Topics include the definition and history of AI, data management, foundational AI technologies such as machine learning and deep learning, and key advancements in natural language processing (NLP) and generative AI. Students will learn about cutting-edge AI tools, explore prompt engineering techniques, and work with both low-code and no-code platforms. The course culminates in a project, where students work as a team to create an AI application based on their interest.
Prerequisites: Sophomore Standing.

AI 202. Artificial Intelligence Applications and Ethics. 3 Credit Hours.
This course provides a comprehensive exploration of artificial intelligence (AI) and its applications in various industries, alongside the ethical considerations that arise from its use. Students will gain strategic insights into how AI can be leveraged to create value, understand the transformative potential of various AI technologies, and critically assess the ethical implications of AI deployment in organizations. Additionally, the program will emphasize how the collective intelligence of people and computers together can solve problems that not long ago were considered impossible. Through case studies, in class discussions, hands-on exercise and guest speaker events, the course bridges the gap between technical concepts and practical applications, empowering students to think critically about deploying AI responsibly and effectively. This course includes a semester long project where students work as a team to explore the opportunities, risks, and applications of AI in a specific industry.
Pre/Corequisites: AI 201 and Sophomore Standing.