

AI & Data Science Curriculum

Program Details

Duration: 4 Years

Seats Available: 120

Program Overview

The AI & Data Science program provides an in-depth understanding of machine learning, deep learning, big data technologies, and advanced analytics. It prepares students for careers in AI research and data-driven decision-making.

Subjects Covered

- Programming with Python and R
- Probability and Statistics
- Linear Algebra and Optimization
- Machine Learning Fundamentals
- Deep Learning and Neural Networks
- Data Mining and Data Warehousing
- Natural Language Processing
- Computer Vision
- Big Data Technologies (Hadoop, Spark)
- Cloud Computing for AI
- Data Visualization and Business Intelligence
- Artificial Intelligence Ethics
- Capstone Project and Internship

Learning Outcomes

Students will master the principles of AI algorithms and data analysis, develop scalable AI models, and apply data science techniques to solve real-world problems across industries.

Career Opportunities

Data Scientist, AI Engineer, Machine Learning Engineer, Data Analyst, Research Scientist, AI Product Manager, and more.