COMPUTER
SCIENCE

AREA OF STUDIES

Program Goals & Distinguishing Features:
Prepares students to become global citizens with an international perspective and interdisciplinary skills, enabling them to synthesize knowledge across domains and create impactful solutions in diverse industries, including healthcare, finance, entertainment, and sustainable development.

Curriculum Approach:
- Hands-on projects emphasizing complex decision-making, societal impact, and ethical implications of technology
- Research opportunities that foster innovation

Core Competencies & Technology Coverage:
- Problem formulation and solution design supported by critical and creative thinking
- Continuously updated curriculum covering emerging technologies, including AI, machine learning, data engineering, and cybersecurity

Capstone Required Courses
1. Research experience: Year-long thesis project developing advanced technical and analytical skills

2. Industry experience: Work-Integrated Education with established technology partners for real-world experience

This flexibility, combined with our international environment and industry connections, produces versatile graduates ready to drive technological innovation while contributing meaningfully to sustainable global development initiatives.

CAREER OPPORTUNITIES

- **Software Developers/Engineers** capable of designing, implementing, and deploying solutions from the ground up.
- **Data Scientists, Data Platform Engineers, and Machine Learning Engineers.**
- **Project Managers, Technical Consultants, and solution engineers** in diverse fields related to computer science, such as innovative agriculture and smart medicine.
- **Machine Learning Operations (MLOps) Engineer** – Managing ML model lifecycle and deployment
- **Cyber Security Practitioner** – Designing secure cloud infrastructure and service