GRADUATE CERTIFICATE IN BUSINESS INFORMATION SYSTEMS

The Graduate Certificate in Business Information Systems equips students with general information technology (IT) knowledge and skills to bring to their business or workplace. Students have the opportunity to a) learn to strategically implement technology within organizations and get a managerial-level understanding of infrastructure, applications, and data analytics, b) study critical project management topics such as project selection and life cycle, stakeholder management, scope and schedule development, and risk management, c) acquire knowledge about integrated business processes, Enterprise Resource Planning (ERP), Customer Relationship Management (CRM) and related software solutions, and d) understand the field of business intelligence (BI), including impacts, capabilities, and roles in decision making, as well as get hands-on experience with popular BI and analytical tools.

Students interested in graduate work should refer to the Graduate and Professional Bulletin (http://catalog.colostate.edu/general-catalog/graduate-bulletin/).

Learning Objectives

Students will:

1. Learn how to effectively initiate, plan, execute, control, and close IT projects.
2. Develop critical thinking, complex reasoning, and Project Management skills to apply in the workplace.
3. Learn about the project life cycle, stakeholder management, the role of top management, project selection and escalation, scope and schedule development, risk management, procurement, leadership, and ethics.
4. Apply their understanding of ERP, MRP, and CRM systems to a number of business simulations and projects.
5. Demonstrate their understanding of the business intelligence field by building and populating data marts, analyzing and mining data sets, and creating reports and visualizations.
6. Shape IT strategy by possessing a managerial level of understanding of infrastructure, applications, and data.
7. Understand how information systems support company business functions, and be able to critically compare alternative approaches for developing or acquiring information systems.