Insurance Analytics and Management, Graduate Certificate

Overview

Learners have an opportunity to gain appropriate technical skills, insurance design expertise, and experience needed to assume professional roles in the insurance field. Upon completion, learners should be prepared to:

- Investigate and identify opportunities to address insurance questions and/or challenges in the evolving digital agenda of the insurance industry.
- Articulate and defend the significance and implications of the intersections of application orientation, domain knowledge, digital leadership and human-centered design, decision support, and digital transformation across the insurance enterprise.
- Integrate the principles, tools, and methods of digital transformation and human-centered design to solve organizational problems by making informed decisions related to the design and deployment of systems in human environments and workflows within the organization.
- Develop a formally proposed solution and/or application, real or hypothetical, to address an insurance-related question and/or challenge.
- Apply data management and strategic analysis, problem-solving, decision-making, effective visualization/communication, and digital leadership skills to the application or deployment of technologies and products in a real-world scenario.

Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

Code	Title	Hours
Core Courses		
INS 6020	Claims Management	3
INS 6030	Insurance Underwriting	3
INS 6040	Introduction to Insurance Data Analytics	3
INS 6050	Intermediate Insurance Analytics	3
Electives		
Complete two of the following:		6
ALY 6070	Communication and Visualization for Data Analytics	
EAI 6000	Fundamentals of Artificial Intelligence	
EAI 6020	AI System Technologies	
INS 6120	Macro Challenges in Insurance	
INS 6140	Distribution and Sales	
INS 6983	Special Topics	

Program Credit/GPA Requirements

18 total quarter hours required
Minimum 3.000 GPA required