

Insurance Analytics and Management, MPS

Overview

The Master of Professional Studies in Insurance Analytics and Management addresses the mounting need for talent in the insurance industry with focus on disruptive trends and the inherent challenges that this industry sector faces. This program will build on five distinct pillars that are designed to serve the market and to offer graduates a clear pathway into the industry. Those pillars are application orientation, domain knowledge, digital leadership and human-centered design, decision support, and digital transformation. The goal of the MPS program is to produce graduates who are thinkers and designers and developers who merge applications, humanics, data, and technology in the age of digital transformation to benefit their industry.

Program Requirements

- Concentrations and course offerings may vary by campus and/or by program modality. Please consult with your advisor or admissions coach for the course availability each term at your campus or within your program modality.
- Certain options within the program may be *required* at certain campuses or for certain program modalities. Please consult with your advisor or admissions coach for requirements at your campus or for your program modality.

Complete all courses and requirements listed below unless otherwise indicated.

Core Courses

Code	Title	Hours
INS 6010	Insurance Finance	3
INS 6020	Claims Management	3
INS 6030	Insurance Underwriting	3
INS 6040	Introduction to Insurance Data Analytics	3
INS 6050	Intermediate Insurance Analytics	3

Experiential Project

Code	Title	Hours
INS 6080	Integrated Experiential Learning	3

Capstone

Code	Title	Hours
INS 6980	Capstone	3

Concentrations

The remaining required quarter hours for the program may be completed by a combination of completing a concentration and additional electives or selecting any courses listed in the electives list.

- Advanced Insurance Management (p. 2)
- Customer Engagement (p. 2)
- Decision Support (p. 2)

Electives

Code	Title	Hours
ALY 6020	Predictive Analytics	
ALY 6030	Data Warehousing and SQL	
ALY 6040	Data Mining Applications	
ALY 6110	Data Management and Big Data	
CED 6230	Quantitative Methods	
CED 6250	Derivatives and Alternative Investments	
EAI 6000	Fundamentals of Artificial Intelligence	
EAI 6020	AI System Technologies	
EAI 6080	Advanced Analytical Utilization	

EAI 6120	AI Communication and Visualization
GIS 5103	Foundations of Geographic Information Science
GIS 6370	Internet-Based GIS
INS 6983	Special Topics
LDR 6110	Leading Teams Strategically in a Global Environment
PJM 5900	Foundations of Project Management
PJM 6210	Communication Skills for Project Managers

Program Credit/GPA Requirements

45 total quarter hours required

Minimum 3.000 GPA required

ADVANCED INSURANCE MANAGEMENT CONCENTRATION

Code	Title	Hours
ALY 6983	Topics	3
INS 6110	Insurance Regulation and Law	3
INS 6120	Macro Challenges in Insurance	3
INS 6130	Advanced Reinsurance	3
LDR 6135	Ethical Leadership	3

CUSTOMER ENGAGEMENT CONCENTRATION

Code	Title	Hours
ALY 6060	Decision Support and Business Intelligence	3
ALY 6070	Communication and Visualization for Data Analytics	3
INS 6140	Distribution and Sales	3
PJM 6185	Managing Innovation Projects	3
SMT 6020	Managing the Customer Experience	3

DECISION SUPPORT CONCENTRATION

Code	Title	Hours
EAI 6000 is for students who score 85% or more on the Python placement exam upon declaring this concentration. Students who score less than 85% on the placement exam complete a noncredit Python workshop before completing EAI 6000.		
ALY 6060	Decision Support and Business Intelligence	3
ALY 6070	Communication and Visualization for Data Analytics	3
EAI 6000	Fundamentals of Artificial Intelligence	3
EAI 6020	AI System Technologies	3
LDR 6100	Developing Your Leadership Capability	3