MINOR IN ACTUARIAL SCIENCE

The Minor in Actuarial Science is designed to provide students with an introduction to some of the fundamentals of actuarial science, as well as extensive preparation for the Society of Actuaries (https://www.soa.org/) credentialing exams in Financial Mathematics and/or Probability.

For further information about policies related to minors, see the Program Policies (catalog.bentley.edu/undergraduate/degree-requirements/#minorspolicies) page.

Prerequisite Courses

Course	Title	Credits
MA 131	Calculus I	3
or MA 131L	Calculus I with Lab	
MA 139	Calculus II	3
or MA 139L	Calculus II with Lab	

Program Requirements

Course	Title	Credits
Required Course:		
MA 310	Actuarial Topics in Probability and Risk Management	3
or MA 357	Mathematical Theory of Interest	
Select three of the following for which prerequisites have been met:		9
MA 233	Calculus III	
MA 243	Discrete Probability	
MA 252	Regression Analysis	
MA 263	Continuous Probability for Risk Management	
MA 310	Actuarial Topics in Probability and Risk Management	
MA 335	Financial Calculus and Derivative Pricing	
MA 343	The Mathematics of Discrete Options Pricing	
MA 347	Data Mining	
MA 352	Mathematical Statistics	
MA 357	Mathematical Theory of Interest	
MA 374	Fundamentals of Short-Term Actuarial Mathematics	
MA 375	Fundamentals of Long-Term Actuarial Mathematics	
MA 376	Advanced Long Term Actuarial Mathematics	
MA 380	Introduction to Generalized Linear Models and Survival Analysis in Business	
Total Credits		**12**