



NORTHERN ILLINOIS UNIVERSITY

# College of Liberal Arts and Sciences

Major: Actuarial Science

Degree: B.S.

Date Revised: January 2019

## Student Learning Outcomes and proposed Methods for collecting data (from assessment plan)

Student Learning Outcomes		Methods of Assessment
1	Formulation of actuarial problems: Students should be able to formulate real-world applications within the proper framework.	<ul style="list-style-type: none"> <li>• ACSC 350 Assessment Question (1, 2, 4, 7)</li> <li>• ACSC 450 Assessment Question (1-5)</li> <li>• Completion of VEE Credits (6)</li> <li>• Passing Professional Exams (1, 2, 7)</li> <li>• Entry into Graduate Programs/Actuarial Employment (1-7)</li> <li>• Graduate Survey (1-5)</li> </ul>
2	Essential skills for actuarial analysis: Students should be able to use data obtained from real world experiments to obtain the proper calculations and conclusions based on sound actuarial practice and theory.	
3	Knowledge of data analysis: Students breadth of knowledge of statistical methodology should be broad enough so that they will be able to address a wide variety of statistical problems often encountered in actuarial applications.	
4	Effective oral and written communication skills: Students should be able to effectively communicate their results to those within the actuarial profession, as well as to those who may only have very basic technical training.	
5	Working knowledge of popular software: Students should be proficient in the most common types of programming languages and statistical software used in the actuarial industry.	
6	Validation by Educational Experience: By graduation all students should have credit for all Validation by Educational Experience (VEE) requirements of the Society of Actuaries and the Casualty Actuarial Society.	
7	Professional Exams: Students should be able to pass at least one professional actuarial exam.	