College of SCIENCE
Department of STATISTICS
Minor in ACTUARIAL SCIENCE

For student date of entry under UG catalog 2021-2022

A dagger (†) indicates a course with prerequisites or co-requisites.
These are detailed on the last page of this check-sheet.

Complete Courses from five areas of study. (Minimum of 21 credits)

I. **Probability*: Complete ONE of the following courses.** (3 credits)

† STAT 4105 Theoretical Statistics	3	
† STAT 4705 Statistics for Engineers	3	

* STAT 4714 may replace STAT 4105 or 4705 if taken before the minor was declared.

II. **Finance: Complete all the following courses.** (6 credits)

† FIN 3104 Introduction to Finance	3	
† FIN 3134 Financial Analytics	3	

III. **Statistics- Regression: Complete ONE of the following courses.** (3 credits)

† STAT 3005-3006 Statistical Methods	6	
† STAT 4706 Probability and Statistics for Engineers	3	
† STAT 4214 Methods of Regression Analysis	3	
† BIT 2406* Bus Stats Analytics & Model	3	

* BIT 2406 is appropriate for Pamplin College of Business Majors ONLY. Students in other programs must select from the other courses in area III.

IV. **Statistics-Time Series: Complete the following course.** (3 credits)

† STAT 4534 Applied Time Series	3	

V. **Economics: Complete all the following courses.** (6 credits)

ECON 2005 Principles of Economics	3	
† ECON 2006 Principles of Economics	3	

Prerequisites and Course Duplications

Some courses might have prerequisites not shown. Students are required to double check course prerequisites, the duplicate course list, and equivalents. Please see your advisor or consult the Undergraduate Course Catalog for more information.

Satisfactory Progress

- A minor GPA of 2.0 or higher must be attained in the courses counting toward the minor.
- A grade of B- or better must be earned in the classes listed in sections II, III, IV, and V to be eligible for the Society of Actuaries Validation by Educational Experience.

Table of Prerequisites and Co-requisites

Courses in this check-sheet marked with a dagger (†) have prerequisites or co-requisites. These are detailed in the following table:

Course Number	Course Name	Prerequisites and Co-requisites
STAT 3005	Statistical Methods	Pre: MATH-1205 OR MATH-1225 Co: MATH-1206 OR MATH-1226
STAT 3006	Statistical Methods	Pre: STAT-3005
STAT 4705	Probability and Statistics for Engineers	Pre: MATH-2224 OR MATH-2204 OR MATH-2204H OR MATH-2406H
STAT 4105	Theoretical Statistics	Pre: MATH-2224 OR MATH-2224H OR MATH-2204 OR MATH-2204H OR MATH-2406H OR CMDA-2005 (MIN Grade of C-)
STAT 4706	Probability and Statistics for Engineers	Pre: STAT-4705 OR STAT-4105
STAT 4214	Methods of Regression Analysis	Pre: STAT-3006 OR STAT-3616 OR STAT-4106 OR STAT-4706 OR STAT-5606 OR STAT-5616 OR CMDA-2006
STAT 4534	Applied Time Series	Pre: STAT-3006 OR STAT-4104 OR STAT-4706 OR STAT-4714 OR STAT-3616 OR BIT-2406 OR CMDA-2006
FIN 3104	Introduction to Finance	Pre: (ACIS-2115) **AND** (BIT-2405 OR STAT-3005 OR STAT-3604 OR STAT-4604 OR STAT-4705 OR STAT-4714 OR STAT-3615 OR STAT-3616) **AND** (ECON-2005 OR ECON-2025H)
FIN 3134	Financial Analytics	Pre: (ECON-2005 OR ECON-2025H **AND** ACIS-2115 **AND** (BIT-2405 OR STAT-3005 OR STAT-3604 OR STAT-4604 OR STAT-4705 OR STAT-4714 OR STAT-3615 OR STAT-3616) Co: ACIS-2504
BIT 2406	Bus Stats Analytics & Model	Pre: BIT-2405 **AND** MATH -524
ECON 2006	Principles of Economics	Pre: ECON-2005