

**Fall2017 Checklist Math – Actuarial Science
Concentration**

Name _____
 Student ID _____
 Date _____

GENERAL EDUCATION

I. Foundational Intellectual Skills (12-13 hours)
 ___ FYS110 First Year Seminar
 ___ ENG112 Writing, Research, Genre & Context
 ___ COM101 Public Speaking
 ___ Mathematics

II. Knowledge Acquisition (19-20 hours)
 ___ Science 1XX with lab
 ___ HUM210 Humanities Survey Course
 ___ PHL 130 Human Nature & Person
 ___ Foreign Language

One course from each group A and B:

Group A
 ___ ECN200 Introductory Economics
 ___ HIS102 History of the Modern World
 ___ POL102 Introduction to American Politics

Group B
 ___ PSY101 General Psychology
 ___ PSY220 General Psychology
 ___ GST200 Introduction to Gender Studies
 ___ SOC101 Introduction to Sociology
 ___ SOC175 Introduction to Anthropology

III. Faith, Ethics, and Foundation (6 hours)
 ___ THL105 Introduction to Theology
 ___ Second Approved THL

V. Greater Depth Cluster

- Completion of a minor or second major outside school (or department if College of Arts & Sciences)
- Completion of an interdisciplinary minor or concentration outside the first major. See catalog for approved programs.
- Focus on a specific theme (cluster) outside the major. See catalog for cluster course areas

Total Earned General Education Hours _____

Mathematics MAJOR REQUIREMENTS B.S. with Actuarial Science Concentration (60 hours)

Core Courses

___ MAT 230 Calculus I	4
___ Mat 231 Calculus II	4
___ MAT 250 Logic and Sets	3
___ MAT 305 Calculus	4
___ MAT 310 Linear Algebra	3
___ MAT 322 Statistical Inference & Data I	3
___ MAT 323 Statistical Inference & Data II	3
___ MAT 490 Seminar	3
___ CST 171 Procedural Programming	3

ACTUARIAL SCIENCE

___ MAT 370 Financial Mathematics	3
___ MAT 422 Probability Theory	3
___ MAT 423 Applied Linear Models	3
___ ACC 250 Intro to Financial & Managerial Accounting	3

At least two courses from

___ MAT 350 Numerical Methods	3
___ CST 270 or above	3
___ MIS 310 Database Management Systems	3
___ MIS 320 Business Decision Making	3
___ ECN 201 Macroeconomics	3
___ ECN 202 Microeconomics	3

Mathematics advisor MUST APPROVE Remaining hours.
Total Earned Major Hours _____

ELECTIVE/MINOR

Total Earned Minor/Elective Hours _____

TOTAL OVERALL EARNED HOURS _____