

ACTUARIAL SCIENCE, MINOR

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 9 credit hours of MATH/STAT in their minor from SRU
- Students enrolled in both the Minor in Actuarial Science and Minor in Statistics must complete at least 9 credits in each of these minors that are NOT being counted in the other.
- Mathematics majors must choose at least 15 credit hours in this minor distinct from those being counted toward the major.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- Note: VEE Credit – complete requirements for Society of Actuaries VEE credit in at least two areas. Students must earn a 'B' or better in each course in the VEE areas in order to earn the credit.
- VEE Areas:
 - Mathematical Statistics: STAT 352 and STAT 353
 - Accounting and Finance: FIN 320 and ACCT 209
 - Economics: ECON 201/ECON 202 sequence or ECON 301/ECON 302 sequence

Code	Title	Hours
Required Courses for Minor in Actuarial Studies		
MATH 280	Theory of Interest	3
STAT 352	Mathematical Statistics I	3
STAT 353	Mathematical Statistics II	3
Required Courses for Non-Mathematics Majors		
Math majors may not count these course in the Actuarial Studies Minor		
MATH 225	Calculus I	4
MATH 230	Calculus II	4
Electives		
Select courses from below to reach 24 credits total for this minor: ¹		7-15
ACCT 209	Financial Accounting	
ACCT 210	Managerial Accounting	
CPSC 323	Fundamentals of Database Systems	
CPSC 358	Simulation	
ECON 201	Principles of Macroeconomics	
ECON 202	Principles of Microeconomics	
ECON 301	Macroeconomic Analysis	
ECON 302	Microeconomic Analysis	
ECON 312	Critical Choices in Health Care Policy	
ECON 318	Introduction to Econometrics	
ENGL 205	Introduction to Professional Writing	
FIN 320	Managerial Finance	
FIN 321	Investments	
FIN 323	Financial Markets and Institutions	
FIN 326	Intermediate Corporate Finance	

FIN 329	Principles of Insurance
MATH 231	Calculus III
MATH 311	Deterministic Models of Operations Research
MATH 315	Numerical Mathematics
MATH 335	Mathematical Modeling
MATH 482	Actuarial Mathematics
MATH 484	Life Contingencies
STAT 252	Introduction to Statistical Modeling
STAT 254	Nonparametric Statistics
STAT 256	Statistical Computing
STAT 354	Mathematical Statistics III
STAT 363	Statistical Learning

Total Hours **24**

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- ACCT 209, ACCT 210, ECON 201, ECON 202 may not be used by students from the School of Business
 - MATH 231 may not be used by Math majors

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Actuarial Science (52H)
 This program is effective as of Fall 2021
 Revised 07.27.2021
 UCC 10.13.2020