

College of Science  
Minor in **Actuarial Science**  
Check sheet for students graduating in calendar year **2020**

**Required Credits; Minimum of 21 credits, from five areas of study:**

I.	Probability <sup>1</sup> (Select one row; 3 credits total)	
	Stat 4105 <sup>2</sup> Theoretical Statistics	
	OR Stat 4705 <sup>2</sup> Statistics for Engineers	(3)( )
II.	Finance (Complete all; 6 credits total)	
	FIN 3104 <sup>3</sup> Introduction to Finance	(3)( )
	FIN 3134 <sup>3</sup> Financial Analytics	(3)( )
III.	Statistics – Regression (select one row; minimum of 3 credits)	
	STAT 4706 <sup>4</sup> Statistics for Engineers	(3)( )
	OR STAT 3005 <sup>8</sup> -3006 <sup>8</sup> Stat Methods	(6)( )
	OR STAT 4214 <sup>5</sup> Methods of Regression Analytics	(3)( )
	OR BIT 2406 <sup>7</sup> Quantitative Methods II	(3)( )
IV.	Statistics -Time Series (Complete all; 3 credits total)	
	STAT 4534 <sup>5</sup> Applied Time Series	(3)( )
V.	Economics (Complete all; 6 credits total)	
	ECON 2005 Principles of Economics	(3)( )
	ECON 2006 <sup>6</sup> Principles of Economics	(3)( )

**Footnotes:**

- 1 STAT 4714 may replace STAT 4105 or 4705 if taken before the minor was declared.
- 2 STAT 4105 and 4705 have a pre-requisite of MATH 2204, Introduction Multivariate Calculus, or any of the following equivalent courses: MATH 2224, MATH 2224H, MATH 2204H, MATH 2406H or CMDA 2005. If a student has completed MATH 1525-1526, MATH 1226 must be completed before taking 2204.
- 3 FIN 3104 and FIN 3134 have pre-requisites of ACIS 2115, (BIT 2405 or STAT 3005 or STAT 3604 or STAT 4604 or STAT 4705 or STAT 4714) or (STAT 3615, STAT 3616), (ECON 2005 or ECON 2025H).
- 4 STAT 4706 has a pre-requisite of STAT 4105 or STAT 4705.
- 5 STAT 4214 has pre-requisites of STAT 3006 or 3616 or 4106 or 4706 or 5606 or 5616 or CMDA 2006 and STAT 4534 has prerequisites of STAT 3006 or 3616 or 4104 or 4706 or 4714 or BIT 2406 or CMDA 2006.
- 6 ECON 2006 has a pre-requisite of ECON 2005.
- 7 BIT 2406 is appropriate for Pamplin College of Business Majors ONLY. Students in other programs must select from the other courses in area III. BIT 2405 is a pre-requisite for BIT 2406.
- 8 STAT 3005 has a pre-requisite of MATH 1225 and a co-requisite of MATH 1226. Note, MATH 1225-1226 is equivalent to taking all of the following: MATH 1205, MATH 1206, MATH 1224.

**Other notes:**

- An overall 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.
- **IMPORTANT:** Students are responsible for reading the course catalogue descriptions regarding prerequisites and the duplicate course list.