

B.S. in Mathematics with Statistics Option – 3 Year Plan<sup>1</sup>

Year 1 Fall		Year 1 Spring		Year 1 Summer	
MATH 2110 Calculus	4	MATH 3450 Linear Algebra	3	Social / Behavioral Science	3
MATH 3010 Intro to Math Reasoning	3	STAT 3250 Statistical Methods	3	Minor Requirement or Elective	3
Science/Lab	4	Science/Lab	4		
APSU 1000	1	CSCI 2000 Programming and Data Structures	4		
Social/Behavioral Science	3				
Total	15	Total	14	Total	6

Year 2 Fall		Year 2 Spring		Year 2 Summer	
STAT 4120 Regression Analysis (odd year) / Minor Requirement or Elective (even year)	3	STAT 4130 Experimental Design (even year) / STAT 4260 Stochastic Processes (odd year)	3	Minor Requirement or Elective	3
MATH 4240 Probability	3	STAT 4250 Mathematical Statistics (even year) / STAT 4270 Nonparametric Statistics (odd year)	3	Minor Requirement or Elective	3
COMM 1010 Fundamentals of Public Speaking	3	Humanities / Fine Arts	3		
ENGL 2030 Traditions in World Literature	3	Minor Requirement or Elective	3		
Minor Requirement <sup>2</sup> or Elective	3	Minor Requirement or Elective	3		
Total	15	Total	15	Total	6

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Year 3 Fall		Year 3 Spring		Year 3 Summer	
MATH 4450 Mathematical Models	3	STAT 4130 Experimental Design (even year) / STAT 4260 Stochastic Processes (odd year)	3	Minor Requirement or Elective	3
STAT 4120 Regression Analysis (odd year) / Minor Requirement or Elective (even year)	3	STAT 4250 Mathematical Statistics (even year) / STAT 4270 Nonparametric Statistics (odd year)	3	Minor Requirement or Elective	3
Minor Requirement or Elective	3	Minor Requirement or Elective	3		
Minor Requirement or Elective	3	Humanities / Fine Arts	3		
History	3	History	3		
		MATH 4810	1		
Total	15	Total	16	Total	6

<sup>1</sup>Students are eligible to follow this plan if they have a 4 or a 5 on the Advanced Placement Test for BC Calculus or if they have earned APSU credit for MATH 1910 and MATH 1920 in a dual enrollment program while in high school. This plan also assumes that the student has advanced placement or dual enrollment credit for two general education core courses. (The chart reflects the assumption that credit has already been earned for ENGL 1010 and ENGL 1020, but it may easily be adjusted if the advanced placement credit corresponds to a different general education core requirement.)

<sup>2</sup> Suggested minors are listed. Students interested in actuarial science are strongly encouraged to minor in Finance.

- Computer Science
- Physics
- Engineering Technology
- Decision Sciences
- Accounting
- Economics
- Finance