

**BSc in Mathematics: Actuarial Science Academic Map**  
 Department of Mathematics and Statistics  
 Austin Peay State University • Clarksville



An academic map is a suggested four-year schedule of courses based on degree requirements in the undergraduate catalog. This sample schedule serves as a general guideline to help build a full schedule each term. Milestones, courses, and special requirements necessary for timely progress to complete a major are designated to keep you on track to graduate in four years. **Missing milestones could delay your program.**

**This map is not a substitute for academic advisement—contact your advisor if you have any questions about scheduling or about your degree requirements.** Also see the Undergraduate Catalog for a complete list of requirements and electives to choose from. **You may choose to attend a summer term to reduce your load during fall or spring terms but still stay on track to graduate in four years.**

**Actuarial Science Suggested Fall/Spring/Summer Four-Year Schedule**

FRESHMAN FALL			FRESHMAN SPRING		
Course	Hrs.	Milestone/Notes	Course	Hrs.	Milestones/Notes
MATH 1910	4	Take MATH 1730 first if weak background in Math: may take MATH 1910 with MATH ACT Score 27 or by taking APSU Math placement exam.	MATH 1920	4	Prereq: MATH 1910
Science/ Lab	4	TBR Core	Science/Lab	4	TBR Core
APSU 1000:	1	TBR Core	ENGL 1020	3	TBR Core
ENGL 1010:	3	TBR Core			
ECON 2100	3	TBR Core and VEE Macroeconomic component	ECON 2200	3	VEE Microeconomic component
<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>14</b>	
SOPHOMORE FALL			SOPHOMORE SPRING		
MATH 2110	4		MATH 3450	3	
MATH 3010	3		STAT 3250	3	
COMM 1010	3	TBR Core	Humanities/ Fine Arts	3	TBR Core
ENGL 2330	3	TBR Core	MATH 4130	3	Students are advised to prepare for and take the SOA/CAS Exam FM/2 at the end of the Spring Term
CSCI 1010/2000	3/4		Minor/Elective	3	
<b>TOTAL</b>	<b>16/17</b>		<b>TOTAL</b>	<b>15</b>	
JUNIOR FALL			JUNIOR SPRING		
STAT 4120	3	VEE Regression Analysis component	STAT 4140	3	VEE Time Series component
MATH 4240	3	Students are advised to prepare for and take the SOA/CAS Exam P/1 at the end of the Fall Term	STAT 4250	3	
History	3	TBR Core	FIN 3010	3	VEE Cooperate Finance component
MATH 4450	3		Minor/Elective	3	Students are advised to take STAT 4200 to complete elective requirement (Requirement: 4 electives)
Minor/Elective	3		Humanities/ Fine Arts	3	TBR Core
<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>15</b>	

SENIOR FALL			SENIOR SPRING		
MATH 4140	3	Students are advised to prepare for and take the SOA/CAS Exam MFE/3 at the end of the Fall Term	STAT 4810	3	Senior Seminar
Minor/Elective	3	Students are advised to take MATH 4670 or STAT 4125 to complete elective requirement. (Requirement: 4 electives)	Minor/Elective	3	Students are advised to take MATH 4260 to complete elective requirement (Requirement: 4 electives)
Social/ Behavioral	3	TBR Core	Minor Elective	3	Students are advised to take STAT 4290 to complete elective requirement (Requirement: 4 electives)
History	3	TBR Core	Minor/Elective	3	
Minor/Elective	3		Minor/Elective	3	
<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>15</b>	
<b>Total Student Credit hours for Degree</b>				<b>120-121</b>	