Pitt State

Name:
ID:

Mathematics (Actuarial Science), Bachelor of Science

Catalog 2024-25

This academic degree map is a term-by-term course schedule designed for you to graduate in four years. The sample schedule below serves as a general guideline to building a full-time schedule for each term. Earning a degree requires that you complete (1) the required General Education courses, (2) the course requirements of your major and (3) any requirements PSU has designated for a Bachelor degree. Courses and special notes are specified to keep you on track to graduate in four years. Where open elective is listed, it means that you may take a course of your choosing, perhaps a course in an area outside of your major, but be sure to discuss this with your advisor.

This map is not a substitute for academic advisement – contact your advisor if you have any questions throughout the term and as you begin planning for the next. The University Catalog is also available as a resource with a complete list of requirements for all degrees offered at PSU.

Recommended 4-years to graduation plan

Code	Semester 1 - FRESHMAN YEAR	Credit	NOTES
ENGL 101	English Composition (SGE)[010]	3	C or Better
UGS 150	Gorilla Gateway (SGE)[070]	2	
Bucket 060	Arts & Humanities (SGE)[060]	3	
MATH 150	Calculus I (SGE)[030]	5	
DSIS 230	Introduction to Programming	3	
	TOTAL CREDIT HOURS	**16**	

Code	Semester 2 - FRESHMAN YEAR	Credit	NOTES
ENGL 299	Intro to Research Writing (SGE)[010]	3	C or Better
MATH 212	Matrix Algebra	2	
MATH 155	Calculus II	5	
Bucket 040	Natural & Physical Sciences (SGE)[040]	4	
Bucket 070	Institutionally Designated (SGE)[070]	1	
	TOTAL CREDIT HOURS	**15**	

	Semester 3 - SOPHOMORE YEAR	Credit	
ECON 200	Principles of Microeconomics (SGE)[050] Suggested	3	
ACCTG 201	Financial Accounting	3	
MATH 253	Calculus III	3	
MATH 413	Intro to Mathematical Thought	3	
COMM 207	Speech Communication	3	
	TOTAL CREDIT HOURS	**15**	

	Semester 4 - SOPHOMORE YEAR	Credit	
MATH 553	Differential Equations	3	
ECON 201	Principles of Macroeconomics	3	
300+	Open Elective	3	
300+	Math Elective	3	
100+	Open Elective	3	
	TOTAL CREDIT HOURS	**15**	

	Semester 5 - JUNIOR YEAR	Credit	
MATH 656	Mathematical Modeling (or MATH 727)	3	
FIN 326	Business Finance	3	
ECON 318	Intermediate Microeconomics (Or ECON 319)	3	
MATH 543	Probability and Statistics	3	
Bucket 070	Insitutionally Designated (SGE)[070]	3	
	TOTAL CREDIT HOURS	**15**	

	Semester 6 - JUNIOR YEAR	Credit	
MATH 617	Linear Algebra	3	
MATH 658	Financial Mathematics	3	
MATH 726	Introduction to Stochastic Processes	3	
FIN 627	Advanced Business Finance	3	
300+	Math Elective	3	
	TOTAL CREDIT HOURS	**15**	

	Semester 7 - SENIOR YEAR	Credit	
MATH 746	Statistical Methods I	3	
MATH 699	Senior Seminar	1	
300+	Open Elective	3	
Bucket 060	Arts & Humanities (SGE)[060]	3	
Bucket 050	Social & Behavioral Sciences (SGE)[050]	3	
100+	Open Elective	3	
	TOTAL CREDIT HOURS	**16**	

	Semester 8 - SENIOR YEAR	Credit	
MATH 743	Mathematical Statistics	3	
MATH 673	Seminar: Actuarial Exam Number I (Or MATH 674)	1	
100+	Open Elective	3	
100+	Open Elective	3	
100+	Open Elective	3	
	TOTAL CREDIT HOURS	**13**	

Writing to Learn: Typically one from general education and one in major coursework.

Systemwide General Education (SGE) Key

010 English	050 Social & Behavioral Sciences
020 Communications	060 Arts & Humanities
030 Math & Statistics	070 Institutionally Designated
040 Natural & Physical Sciences	