

College of Arts and Sciences 2025-2026 Degree Worksheet
MATHEMATICS MINORS
MATHEMATICS - APPLIED MATHEMATICS - STATISTICS

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MINOR in MATHEMATICS: 24 CREDITS

LOWER DIVISION

	Credits	Grade
MATH 157 Calculus & Analytical Geometry I	4	<input type="text"/>
MATH 258 Calculus & Analytical Geometry II	4	<input type="text"/>
MATH 259 Calculus & Analytical Geometry III	4	<input type="text"/>

The Mathematics Minor is only available to students who are not majoring in Mathematics or Applied Mathematics.

Students may not obtain more than one minor from the following: Mathematics, Applied Mathematics, Statistics.

Check for pre-requisites when selecting electives.

UPPER DIVISION

	Credits	Grade
MATH 301 Fundamentals of Mathematics	3	<input type="text"/>

Select one of the following 2 courses:		3 credits
MATH 335 Applied Linear Algebra	3	<input type="text"/>
MATH 339 Linear Algebra	3	<input type="text"/>

One Mathematics 300-400 level elective*:		3 credits
MATH	3	<input type="text"/>

One Mathematics 400-level elective:		3 credits
MATH	3	<input type="text"/>

Cannot double-count electives with another requirement.

**MATH 260 may be used as one 300-400 level elective.*

A maximum of three (3) credits from the following courses may be counted toward Mathematics electives:

MATH 365 (can be taken only once), MATH 390, 490, 497.

MATH 335, 339, 432, 496, 499 cannot be used as Math electives.

MINOR in APPLIED MATHEMATICS: 24 CREDITS

LOWER DIVISION

	Credits	Grade
MATH 157 Calculus & Analytical Geometry I	4	<input type="text"/>
MATH 258 Calculus & Analytical Geometry II	4	<input type="text"/>
MATH 259 Calculus & Analytical Geometry III	4	<input type="text"/>
MATH 260 Ordinary Differential Equations	3	<input type="text"/>

The Applied Mathematics Minor is only available to students who are not majoring in Mathematics or Applied Mathematics.

Students may not obtain more than one minor from the following: Mathematics, Applied Mathematics, Statistics.

Check for pre-requisites when selecting electives.

UPPER DIVISION

One of the following two courses:		3 credits
MATH 335 Applied Linear Algebra	3	<input type="text"/>
MATH 339 Linear Algebra	3	<input type="text"/>

One of the following three courses:		3 credits
MATH 440 Foundations of Applied Math	3	<input type="text"/>
MATH 454 Partial Differential Equations	3	<input type="text"/>
MATH 462 Nonlinear Systems & Chaos	3	<input type="text"/>

One 300-400 level Mathematics elective:		3 credits
MATH	3	<input type="text"/>

Cannot double-count electives with another requirement.

A maximum of three (3) credits from the following courses may be counted toward Mathematics electives:

MATH 365 (can be taken only once), MATH 390, 490, 497.

MATH 335, 339, 432, 496, 499 cannot be used as Math electives.

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MATHEMATICS MINORS
MATHEMATICS - APPLIED MATHEMATICS - STATISTICS

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MINOR in STATISTICS: 23 CREDITS

LOWER DIVISION

		Credits	Grade
MATH 157	Calculus & Analytical Geometry I	4	□
MATH 258	Calculus & Analytical Geometry II	4	□

The Statistics Minor is only available to students who are not majoring in Mathematics or Applied Mathematics.

Students may not obtain more than one minor from the following: Mathematics, Applied Mathematics, Statistics.

Check for pre-requisites when selecting electives.

UPPER DIVISION

One of the following two courses: **3 credits**

	Credits	Grade
MATH 335 Applied Linear Algebra	3	□
MATH 339 Linear Algebra	3	□

One of the following two courses: **3 credits**

MATH 321 Statistics for Experimentalists	3	□
MATH 422 Mathematical Statistics*	3	□

**MATH 421 is a pre-requisite for MATH 422*

One of the following two courses: **3 credits**

MATH 425 Applied Statistical Models	3	□
MATH 426 Experimental Design	3	□

Statistics Electives: **6 credits**

	3	□
	3	□

Select any two from the following, at least one of which must be MATH:

MATH 422 Mathematical Statistics	3	□
MATH 423 Stochastic Processes	3	□
MATH 426 Experimental Design	3	□
ECON 355 Regression Analysis	3	□
ECON 451 Econometrics	3	□
ECON 452 Time Series Analysis	3	□
CPSC 322 Data Science Algorithms	3	□
CPSC 323 Machine Learning & Intelligent Systems	3	□
CPSC 324 Big Data Analytics	3	□
PHYS 323 Statistical Mechanics	3	□
PSYC 450 Advanced Statistics in Psychology	3	□

...(or any course with significant probability or statistics content with **prior** approval of the MATH department chair).

NOTE: ALL of these statistics elective courses have pre-requisites; some selections require courses to be taken outside of this minor.

Cannot double-count electives with courses used elsewhere.