
MATH MINOR REQUIREMENTS

(2019-26 catalogs)

Minimum units required: 18 total, 6 upper-division, 3 at UA

Minimum minor GPA: 2.00

Course Work Requirements:

1. Complete both (AP credit is OK):
 - MATH 122A/B* or 125: Calculus I
 - MATH 129: Calculus II
2. Choose two courses from: **
 - MATH 223: Vector Calculus
 - MATH 243: Discrete Mathematics in Computer Science
 - MATH 254[†]: Introduction to Ordinary Differential Equations
 - MATH 355[†]: Analysis of Ordinary Differential Equations
3. Complete one linear algebra course: MATH 313: [‡] Introduction to Linear Algebra
4. Choose one additional upper-division course from the following; at least six upper-division units required:
MATH 315, 322, 323, 330, 363^{††}, 396T, 401A, 401B, 404, 407, 412, 413, 415A, 415B, 422, 424, 425A, 425B, 432, 443, 445, 454, 456, 462, 464^{††}, 466^{††}, 468, 475A, 475B, 481, 485, 496T, 498, 498H, ECOL 480, or equivalent UA South courses, iCourses, or officially cross-listed courses.

* MATH 122A and 122B are a single-semester sequence that covers Calculus I. MATH 125 is an accelerated version with additional placement requirements.

** MATH 205 (Teaching Secondary Mathematics) will be added to section 2 of the minor for the 2027 catalog. Students in earlier catalogs may opt in by contacting the Math Center.

[†] MATH 254 and 355 count as duplicate credit; only one of the two courses may be used toward minor requirements. Note that 355 does not count in part 4 of the minor.

[‡] MATH 313 has replaced 215. Either MATH 313 or MATH 310 may be used to complete part 3 of the minor and fulfill upper-division unit requirements in the minor; however, 310 is not currently available here. Students with transfer credit for MATH 215 can use this credit to complete part 3 of the minor, but will need an additional upper-division course (6 units upper-division required).

^{††} SDS majors who minor in math must complete at least 6 unique upper-division units in the minor, and may not use courses with "probability" or "statistics" in the title. MATH 363 has added programming requirements: a Python prerequisite, and SQL co-requisite. Contact the Math Center with questions. **Note:** a double-minor in Math and SDS is not permitted.

To add the Math minor: <https://www.math.arizona.edu/academics/undergraduate/minors/change-minor>

For advising questions: math-mathcenter@arizona.edu

MATH MINOR REQUIREMENTS

(2019-26 catalogs)

Minimum units required: 18 total, 6 upper-division, 3 at UA

Minimum minor GPA: 2.00

Course Work Requirements:

1. Complete both (AP credit is OK):
 - MATH 122A/B* or 125: Calculus I
 - MATH 129: Calculus II
2. Choose two courses from: **
 - MATH 223: Vector Calculus
 - MATH 243: Discrete Mathematics in Computer Science
 - MATH 254[†]: Introduction to Ordinary Differential Equations
 - MATH 355[†]: Analysis of Ordinary Differential Equations
3. Complete one linear algebra course: MATH 313: [‡] Introduction to Linear Algebra
4. Choose one additional upper-division course from the following; at least six upper-division units required:
MATH 315, 322, 323, 330, 363^{††}, 396T, 401A, 401B, 404, 407, 412, 413, 415A, 415B, 422, 424, 425A, 425B, 432, 443, 445, 454, 456, 462, 464^{††}, 466^{††}, 468, 475A, 475B, 481, 485, 496T, 498, 498H, ECOL 480, or equivalent UA South courses, iCourses, or officially cross-listed courses.

** MATH 122A and 122B are a single-semester sequence that covers Calculus I. MATH 125 is an accelerated version with additional placement requirements.

** MATH 205 (Teaching Secondary Mathematics) will be added to section 2 of the minor for the 2027 catalog. Students in earlier catalogs may opt in by contacting the Math Center.

[†] MATH 254 and 355 count as duplicate credit; only one of the two courses may be used toward minor requirements. Note that 355 does not count in part 4 of the minor.

[‡] MATH 313 has replaced 215. Either MATH 313 or MATH 310 may be used to complete part 3 of the minor and fulfill upper-division unit requirements in the minor; however, 310 is not currently available here. Students with transfer credit for MATH 215 can use this credit to complete part 3 of the minor but will need an additional upper-division course (6 units upper-division required).

^{††} SDS majors who minor in math must complete at least 6 unique upper-division units in the minor, and may not use courses with "probability" or "statistics" in the title. MATH 363 has added programming requirements: a Python prerequisite, and SQL co-requisite. Contact the Math Center with questions. **Note:** a double-minor in Math and SDS is not permitted.

To add the Math minor: <https://www.math.arizona.edu/academics/undergraduate/minors/change-minor>

For advising questions: math-mathcenter@arizona.edu