



ENMU - ROSWELL (2024-2025)
ASSOCIATE OF SCIENCE IN MATHEMATICS
ENMU - PORTALES (2023-2025)
BACHELOR OF SCIENCE IN MATHEMATICS (MINOR REQUIRED)

| Associate of Science in Mathematics at ENMU-Roswell (60 Minimum Credit Hours) | | | | | | | |
|---|-----|-------|-------|--|------|--|-------|
| Subject | No. | Title | Hours | Subject | No. | Title | Hours |
| Comm Gen Ed (recommend ENGL 1110, 2210, & COMM 2150) | | | 9 | BCIS | 2215 | MS Excel | 3 |
| Lab Sci Gen Ed (recommend CHEM 1215/L) | | | 4 | MATH | 1220 | College Algebra (eligible for Gen Ed Math) | 3 |
| Soc-Beh Science Gen Ed (recommend PSYC 1110 -OR- 2120) | | | 3 | PSYC | 1170 | Psychology of Success | 3 |
| Creative-Fine Arts Gen Ed (recommend ARTS 1610) | | | 3 | | | | |
| Humanities/Creative-Fine Arts Gen Ed (recommend ARTS 1320) | | | 3 | FOUR of: MATH 1230, 1350, 1510, 1520, 2530 | | | 16 |
| Humanities Gen Ed (recommend PHIL 2110) | | | 3 | ONE of the following sets: PHYS 1230/L -AND- PHYS 1240/L | | | 8 |
| Math Gen Ed (recommend MATH 1130 -OR- 1170) | | | 3 | | | -OR- PHYS 1310/L -AND- 1320/L | |
| Math/Lab Sci/Soc-Beh Sci (recommend MATH 1120 *) | | | 3 | | | | |

* MATH 1220 is required for the AS in Mathematics.

| Courses That Can Be Completed at Either Institution | | | | | | | |
|--|---------|---------|--|--------|--|--|--|
| | Subject | No. | Title | Hours | | | |
| These required courses meet specific course requirements at ENMU. They may be completed at either ENMU-Roswell (recommended) or at ENMU-Portales. A grade of C or better is necessary for these courses. | CS | 120/123 | Intro to Computers -OR- Computer Science | 3 to 4 | | | |
| | MATH | 1510 | Calculus I | 4 | | | |
| | MATH | 1520 | Calculus II | 4 | | | |
| The faculty at ENMU-Portales strongly recommends that transfer students take these courses (required for BA/BS) from ENMU-Roswell. | MATH | 2530 | Calculus III | 4 | | | |

| Bachelor of Science in Mathematics (Minor required) at ENMU-Portales | | | | | | | |
|--|-----|---------------------------------------|-------|--|-----|-------|-------|
| Subject | No. | Title | Hours | Subject | No. | Title | Hours |
| Upper-Division Diversity / Global Requirement | | | 3 | NINE hours of upper-division MATH, STAT or CS excluding | | | 9 |
| MATH | 340 | Foundations of Higher Math | 3 | MATH 310, 311, 317, 345, 429, courses for STAT minors, or CS | | | |
| MATH | 341 | Abstract Algebra I | 3 | courses taken by Computer Science Minors | | | |
| MATH | 351 | Ordinary Differential Equations | 4 | Minor in a differend field or a second major. | | | Var. |
| MATH | 352 | Intro to Linear Algebra | 4 | | | | |
| MATH | 371 | Real Analysis | 3 | | | | |
| STAT | 403 | Probability & Mathematical Statistics | 3 | Electives to meet BS requirements * | | | Var. |

| Minimum GPA Requirement: 2.0 | | | |
|---|-------|--|------|
| Minimum hours of General Education Courses | 31 * | ENMU-Roswell AS in Mathematics | 60 |
| Minimum hours of Upper-Division Courses for BS Degree | 40 * | ENMU-Portales Upper-Div Diversity/Global requirement | 3 * |
| Minimum hours taken from ENMU-Portales (final 30 of 60) | 30 * | ENMU-Portales BS in Mathematics | Var. |
| Minimum hours for Minor | Var. | ENMU-Portales Minor requirements | Var. |
| Minimum hours for BS (Transferred + ENMU-Portales) | 120 * | Electives if needed to meet requirements | Var. |

* BS Degree Requirements

Total: Minimum 120 Credit Hours