

**Advanced Mathematics Content Mastery**

**Evidence of Content Mastery for Requested Authorization Level and/or Endorsement Area**

Authorization Level: Middle/High School

The Standard/Outcomes matrix is based on the following State and/or National Standards:

National Council of Teachers of Mathematics, Grades 7-12

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

\*\* **3.0 accumulative GPA preferred** on all coursework used to fulfill the 47 credits of content mastery requirements. All content mastery courses must be taken on the A-F grading basis; **no courses can earn P/N or S/U. No grades below a C-**

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| --- | --- | --- | --- | --- | --- |
| **Standard/Outcome** | **OSU courses that**  **satisfy standard** | **Course** | **Credits** | **Term** | **Grade** |
| **WIC course choose one:** | **MTH 338** |  |  |  |  |
| **Standard 1:** Calculus  **12 credits** | **MTH** 251\*, 252, 254 |  |  |  |  |
| **Standard 2:** Discrete Math/Mathematics Software  **3 credits** | **MTH** 355 |  |  |  |  |
| **Standard 3:** Statistics  **4 credits** | **ST** 351 |  |  |  |  |
| **Standard 4:** Probability  **3 credits** | **MTH** 361 |  |  |  |  |
| **Standard 5:** Geometry  **3 credits** | **MTH** 338 |  |  |  |  |
| **Standard 6:** Linear Algebra  **3 credits** | **MTH** 341 |  |  |  |  |
| **Standard 7:** Abstract Algebra  **3 credits** | **MTH** 343 |  |  |  |  |
| **Standard 8:** Algebraic and Geometric Transformations  **9 credits** | **MTH** 491, 492, 493 |  |  |  |  |
| **Standard 9:** Math Electives  **7 credits** | **SED** 414 ( Secondary Section)  **MTH** 253, 255,256, 306 Statistics or Engineering Courses |  |  |  |  |

\*Meets Baccalaureate Core Requirement



If you have questions about this form or the Advanced Mathematics endorsement, please contact College of Education Student Services, 104 Furman Hall, 541- 737-4661.