

Syracuse University - Inclusive Elementary and Special Education Program Concentration  
**MATHEMATICS**

Name \_\_\_\_\_

Student No. \_\_\_\_\_

- The Mathematics concentration is 30 credits; many courses must be taken in sequence.
- Ideally, the student who chooses this concentration has a mathematics background that would qualify her or him to begin with MAT 295 Calculus I. If not, additional mathematics and total credits would be required.
- As part of the 30-credit concentration, students may declare and complete the 21-credit minor (see below). A 2.0 GPA must be earned in minor courses.
- Contact should be made with the mathematics minor advisor, particularly concerning upper division course choices.
- To declare the minor, have the minor advisor in the Mathematics Dept. sign the declaration form. Turn it in at Academic and Student Services, 111 Waverly Ave, Suite 230 for processing.
- With careful advanced planning and possible summer courses, a semester abroad *might* be possible.

	Dept./No.	Titles	Cr.	Term	Grade	Notes
1	MAT 117	Foundational Math via Problem Solving I	3			Fall only
2	MAT 118	Foundational Math via Problem Solving I	3			Spring only
3	MAT 295	Calculus I	4			Can also meet "other breadth" distribution requirement
4	MAT 296	Calculus II	4			
5	MAT 397	Calculus III	4			
6	MAT 375	Introduction to Abstract Mathematics	3			Prerequisite. – MAT 295
7	MAT 331	First Course in Linear Algebra	3			Prerequisite – MAT 296
8	MAT		3			Both should be MAT 400 or 500 level, but NOT MAT 485. If taken from the same group, a minor may be declared.*
9	MAT		3			

\*Two upper division courses from one of the groups are required for the minor, and should be completed if possible. Some are more logistically possible to complete than others.

- \_\_\_\_\_ Algebra (MAT 531, and one from 534, 541, 545)
- \_\_\_\_\_ Analysis (Two from 511, 512\*\*, 513, 562\*\*)
- \_\_\_\_\_ Applied Mathematics (Two from 517\*\*, 518\*\*, 532)
- \_\_\_\_\_ Differential Equations (MAT 414, 517)
- \_\_\_\_\_ Geometry (MAT 531, 551; or MAT 531, 554\*\*)
- \_\_\_\_\_ Probability & Statistics (MAT 521,525;or 521,526)

\*\*Prerequisite other than a course from this list is required.