

Major Requirements (36 credits)**Credits**

MTH 311	Probability Theory and an Introduction to Mathematical Statistics	4
MTH 330	Applied Mathematical Analysis I	4
	OR	
MTH 334	Differential Equations	4
MTH 338	Linear Algebra	4
MTH 339	Applied Algebra	4
MTH 341	Advanced Calculus I	4
Four Elective Upper-Level (300-400 level) Mathematics Courses		16

Electives (28-37 credits)

28-37

Total (120 credits)

To graduate with Honors in the major, students must have at least a 3.5 GPA in mathematics courses in the major requirement category and must complete an Honors thesis or project.

Additional Requirements for students majoring in Mathematics with an Adolescence Education concentration

- The elective upper-level Mathematics courses must include a course in History of Mathematics (MTH 306) and a course in Geometry (MTH 329)**
- Students must complete the following Adolescence Education (EDS) course sequence (24 credits) within the electives:**
EDS 201: Social Foundations of Secondary Education. 4 cr
EDS 202: Psychological Foundations of Secondary Education. 4 cr
EDS 303: Secondary School Pedagogy in Mathematics. 4 cr
EDS 317: Secondary School Curriculum in Mathematics. 4 cr (This is a course replacement for EDS 307)
EDS 400: Student Teaching in Secondary Education. 6 cr
EDS 401: Reflection & Analysis in Student Teaching. 2 cr
- EDP 220 (3 credits) is required for certification.**

In order to register for the EDS sequence one must have a GPA of 2.75 (Raised to 3.0 as of Fall 2015). For details refer to the catalog on page 170.² Also note: EDS 307 has been replaced with EDS 317.

- Completion of a CSI modern language at the 114 level is recommended and may be required for certification.

NOTE:

1. GPA Requirement - In order to graduate with a B.S. in Mathematics/ Adolescence Education, you will need an overall GPA of 2.75 as well as a GPA of 2.0 in the courses under major requirement category and a GPA of 2.75 in the Education courses. . Also a grade of at least C+ is required for all courses in the EDS sequence.

There is a new requirement of a GPA of 3.0 (raised from 2.75) , overall and in Education courses for all students who matriculate into the program as of Fall 2015.)

2. **Residency Requirement** – To obtain a B.S. degree from CSI, students must earn at least 30 credits at CSI and must also earn at least half (50%) of the credits in the major requirement category at CSI. For details refer to catalog on page 45² .

3. **Liberal Arts and Sciences Requirement** - For a B.S. degree NY state requires that one half of credits must be in Liberal Arts and Sciences. For details refer to the catalog (2007-2009) on pages 52² , and 62² .