

**A.A. – B.A. in MATHEMATICS with Secondary Education Minor
Elgin Community College Associate of Arts in Math Degree
Roosevelt University Bachelor of Arts Degree in Mathematics
Roosevelt University Minor in Secondary Education**

The following academic agreement program helps graduates of Elgin Community College transfer to Roosevelt University to complete their bachelor's degree. Students can finish the Elgin Community College Associate of Arts degree and transfer to Roosevelt to finish a Roosevelt Bachelor of Arts degree with a major in Mathematics Secondary Education in a total of four years. In order to enroll in the Secondary Teacher Education minor, students must have earned admission to the teacher preparation program. A passing score on the Test of Academic Proficiency or ACT or SAT scores that meets the state's criterion, a minimum 2.7 GPA in all undergraduate courses, and demonstrated professional dispositions are required to register for these courses. This program prepares students to teach high school mathematics upon completion of state licensing examinations.

Roosevelt University's admission counselors are available to discuss transfer credits. Please call 877-APPLY RU (877-277-5978) to schedule an appointment.

Elgin Community College Associate of Arts in Math

| Course Number | Course Title | Semester Hours |
|---|--|----------------|
| ENG 101 & 102 _{1,2} | English Composition I & II | 6 |
| SPH 101 | Fundamentals of Speech | 3 |
| MTH 112 _{1,2} | College Algebra | 4 |
| MTH 114 _{1,2} | Trigonometry | 3 |
| MTH 133 _{1,2} | Calculus with Analytic Geometry I | 4 |
| MTH 134 _{1,2} | Calculus with Analytic Geometry II | 5 |
| MTH 201 _{1,2} | Calculus with Analytic Geometry III | 5 |
| HIS 151 or 152 ₁ | United States History to 1870 or since 1865 | 3 |
| POS 150 ₁ | American Government, National | 3 |
| Social & Behavioral Sciences _{2,3,4} | Include one Social Science & one Behavioral science course | 6 |
| Humanities/Fine Arts _{2,3} | Include one Humanities and one Fine Arts course | 6 |
| Physical and Life Sciences | One from Life and one from Physical Science (One with a Lab) | 7 |
| EDN 100 ₁ | Introduction to Education | 3 |
| EDN 204 ₁ | Students with Disabilities in Schools | 3 |
| PSY 211 ₁ | Educational Psychology | 3 |
| Elgin Community College Total | | 64 |

₁Grade of C or better required

₂Required core courses for Roosevelt University

₃Include one non-western course from: LIT 210, 223; HIS 120-21, 130-31, 140-1

₄Must be IAI course

Roosevelt University BA Mathematics

| Course Number | Course Title | Semester Hours |
|------------------------------|---|----------------|
| MATH 245 ₁ | Discrete Structures | 3 |
| MATH 290 ₁ | Intro to Proof | 1 |
| MATH 217 or 347 ₁ | Probability & Statistics | 3 |
| MATH Elective ₁ | Math Modeling Elective | 3 |
| MATH 246 ₁ | Linear Algebra | 3 |
| MATH 316 ₁ | History of Mathematics | 3 |
| MATH 317 ₁ | Geometry | 3 |
| MATH 318 or 320 ₁ | Number Theory or Abstract Algebra | 3 |
| MATH 352 ₁ | Analysis | 3 |
| CST 150 ₁ | Computer Science I | 4 |
| READ 363 ₁ | Teaching Language and Literacy in the Content Areas | 3 |
| SEED 301 ₁ | Seminar in Secondary Education | 3 |
| SEED 350 ₁ | Field Experience in Secondary Ed. | 4 |

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|------------------------|---|-----------|
| SEED 323 ₁ | Methods of Teaching Secondary Math | 3 |
| SEED 360 ₁ | Student Teaching & Seminar | 12 |
| EDUC 291 ₁ | Issues in Metropolitan Education (Grounds for Change) | 3 |
| LIBS 201 ₁ | Writing for Social Justice | <u>3</u> |
| Roosevelt Total | | 60 |

₁Grade of C or better required

Certification Exams

Test of Academic Proficiency or equivalent (must be passed prior to enrolling in any education courses)

Content Area Test (required before student teaching)

Assessment of Professional Teaching: Grades K-12

About Elgin Community College

Elgin Community College is a public Community college, an integral part of The Illinois community college system. Located in Elgin, Illinois, the college serves residents of Kane, DuPage, Cook, DeKalb and McHenry counties. The Elgin Community College transfer program provides the opportunity for thousands of area students to complete the first two years of study toward their bachelor's degrees. A strong academic program and the educational planning support of a knowledgeable counseling staff help ensure the smooth transfer of credit to senior institutions such as Roosevelt University. New students should call (847) 214-7385 for admission information. For help with educational planning, students should call (847) 214-7390.

About Roosevelt University

Roosevelt University is non-profit, private university named in honor of Franklin D. and Eleanor Roosevelt with campuses in downtown Chicago and suburban Schaumburg, Illinois, along with online programs. Roosevelt's award-winning faculty and dedicated staff take pride in pushing Roosevelt's diverse students to the limits of achievement, inspiring the transformation of lives and communities through the principles of social justice and inclusion. Academic programs are offered in the humanities, sciences, social sciences, business, education, music, theatre, pharmacy and professional studies. Roosevelt is one of the Midwest's most diverse private universities. The student/faculty ratio is 12:1, average high school GPA of new students is 3.1 and average ACT is 22.6. Roosevelt's new 32-story "vertical campus" downtown features student housing, science labs, classrooms, and a fitness center. The Schaumburg Campus, a state-of-the-art facility near Woodfield Mall, is a fully commuter campus with ample free parking.

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Roosevelt University Office of Admission

Chicago Campus
430 S. Michigan Ave.
Chicago, IL 60605

Schaumburg Campus
1400 N. Roosevelt Blvd.
Schaumburg, IL 60173

www.roosevelt.edu/admission

877-277-5978

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