Earl Start Math (ESM)

ESM 40 Early Start Program in Mathematics (Unit: 1)
Prerequisite: First-time freshman with an ELM score below 50.

Self-paced online Early Start math course. Prepares students for key topics in ELM as well as elementary and intermediate algebra. Does not count toward the baccalaureate degree. (CR/NC/RP grading only) (Note: This course does NOT allow students to “move-up” unless they retake the ELM test. Students who are interested in “moving-up” should enroll in ESM 60 (Algebra I) or ESM 70 (Algebra II) at SF State, or their equivalents at other CSU campuses, whenever possible; neither ESM 60 nor ESM 70 is online.)

Course Attributes:
- Pre-Collegiate

ESM 60 Entry Level Math I (Units: 3)
Prerequisite: First-time freshman requiring Early Start with ELM score of 40 or below.

Equivalent to first-year high school algebra. Fundamental operations on numbers, polynomials, and rational expressions; factoring, linear equations, and inequalities. Units and grades earned do not count toward graduation requirements.

Course Attributes:
- Pre-Collegiate

ESM 70 Entry Level Math II (Units: 3)
Prerequisite: First-time freshman requiring Early Start with ELM score of 42-48.

Equivalent to second-year high school algebra. Exponents, radicals, logarithms, systems of linear equations, complex numbers, quadratic equations. Units and grades earned do not count towards graduation requirements.

Course Attributes:
- Pre-Collegiate