

LIBERAL STUDIES: ELEMENTARY SUBJECT MATTER PREPARATION (ESM)

Mathematics Area of Focus

- This worksheet is intended for supplemental use only. The University will use your [Academic Requirements Report \(ARR\)](#) to track your graduation requirements, including those for your major. Please continue to check your ARR for accuracy. If your ARR requires a correction, please submit an [ARR Correction Form](#).
- Your [Degree Planner](#) will display the following requirements in the University's recommended sequence.
- EDUC 350, 364 and 422 are prerequisites to the CSUSM Teacher Credential Program. These courses must be passed with C+ or higher to meet Admissions Requirements.
- All courses used for the major and preparation for the major must be completed with a grade of C (2.0) or higher.
- Liberal Studies majors must take a Diversity Equity: Global (DEg) course to meet the University's graduation requirement.
- This curriculum meets requirements for the CSET I-III Waiver.
- Additional upper-division units may be needed to reach the University's 40 upper-division unit graduation requirement.
- Any course taken for the major may only be used once in the major.
- All non-articulated courses MUST be reviewed and approved by a faculty advisor.

PREPARATION FOR THE MAJOR (55 UNITS)

✓	Course	Units
☐	<i>First Year Students, select: LBST 100: An Introduction to Critical Education</i> <i>Transfer Students, select: LBST 300: An Introduction to Critical Education (GE UD4, DEu)</i>	3
☐	GEW 101B: Writing as a Rhetorical Act (*GEW 101A or English Categories I or II) (GE 1A)	3
☐	LING 101: Mysteries of Human Language: An Introduction to Linguistics (GE 1B)	3
☐	GEO 102: Oral Communication (GE 1C)	3
☐	LTWR 100: Introduction to Literature (GE 3B)	3
☐	HIST 101: World Civilizations to 1500 (GE 3B)	3
☐	HIST 130: U.S. History 1500-1877 (GE 4H)	3
☐	GEOG 201: World Regional Geography	3
☐	<i>Select one: AIS 150: Introduction to Federal Indian Law and Policy (GE 4C/4G) or</i> <i>PSCI 100: U.S. Government and Politics (GE 4C/4G)</i>	3
☐	MATH 210: Math for K-8 Teachers I: Number Sense (*MATH 101, 105 or MATH Category I or II)	3
☐	MATH 212: Math for K-8 Teachers II: Geometry, Measurement, Reasoning (*MATH 210) (GE 2)	3
☐	GES 102: Molecules, Life and the Environment (GE 5B/5C)	4
☐	GES 105: Introduction to Physical Science (*MATH 101, 105 or MATH Category I or II) (GE 5A)	3
☐	<i>Select one: ES 100: The Earth and Its Place in the Universe or</i> <i>GEOG 110: Introduction to Physical Geography (GE 5A)</i>	3
☐	AMD 120: Introduction to Art, Media, and Design (GE 3A)	3
☐	PSYC 210: Child Growth and Development	3
☐	PE 203: Physical Education for Elementary School Children	3
☐	<i>Select one Ethnic Studies course (GE 6): AIS 110, 120, 125, 130, 160, 225, 260, 265, 290;</i> <i>ETST 101, 220, 221, 222, 226, 250, 252, 301, 310</i>	3

*prerequisite; ^pre-/co-requisite; ^{UD}course restricted to students with upper-division standing.

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LANGUAGE REQUIREMENT (0-9 UNITS):

This requirement can be met in one of the following ways:

- Intermediate 200-level (3rd semester) language course with a grade of C or higher or CR (**GE C3**).
- CSUSM Language Proficiency Exam demonstrating intermediate-level language proficiency.
- AP Language other than English Examination with a score of 3 or higher.
- IB Higher-Level Language A Literature Exam or Language A Language and Literature Exam with score of 4 or higher.
- CLEP with the following minimum score: French Level II: 59; German Level II: 60; Spanish Level II: 63.
- TOEFL or other CSUSM-approved English language exam as a condition for admission to CSUSM.
- Completion at least 3 full-time years at a high school or university where English was not the principal language of instruction.
- Intermediate-level ASL may fulfill this requirement; see [Catalog](#) for conditions.

✓ ☐ Proficiency met via:

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BREADTH OF STUDY REQUIREMENTS (30 UNITS)

✓ ☐	Course	Units
☐	GEOG 341 ^{UD} : Nature and Society in California (GE UD4)	3
☐	PHYS 307: Physics for Elem School Teachers (*MATH 101, 105 or MATH Category I or II) (GE UD25)	3
☐	LING 300: Linguistics in the Classroom (*LING 101) (DEu)	3
☐	MATH 311: Math for K-8 Teachers III: Algebra, probability, Statistics, Data Analysis (*MATH 212)	3
☐	DNCE 350: Learning Through the Moving Arts (GE CC, UD3)	3
☐	MUSC 350: Learning Through the Arts: Music, Theater, Visual Arts	3
☐	EDUC 350: Foundations of Teaching as a Profession	3
☐	EDUC 364: The Role of Cultural Diversity in Schooling (GE UD4; DEu)	3
☐	Select one <u>Multicultural Studies</u> course: BRS 300^{UD} ; ID 340^{UD} ; LING 341^{UD} , 355^{UD} (DEg), 371 , 381^{UD}	3
☐	Select one <u>Integrative Studies</u> course: BRS 300^{UD} , 330^{UD} , 364^{UD} , 430^{UD} , 453^{UD} ; GEOG 305^{UD} , 307^{UD} , 310 , 311 , 320^{UD} , 325 , 352 , 365^{UD} , 390 , 422 , 460^{UD} ; ID 340^{UD} , 410^{UD} ; LBST 305^{UD} , 361 , 362^{UD} ; LING 305^{UD} , 331^{UD} , 341^{UD} , 355^{UD} , 360^{UD} , 371^{UD} , 381^{UD}	3

AREA OF FOCUS REQUIREMENTS: MATHEMATICS (15 UNITS)

- Students who take equivalent courses elsewhere, or who test out of these courses, may have a different unit count and will need to take an additional mathematics class. See advisor for details.
- Preparation for Supplemental Authorization in Introductory Mathematics upon credential completion. For more information on Supplemental Authorization, see the School of Education in the College of Education, Health and Human Services.

✓ ☐	Course	Units
☐	MATH 125: Pre-Calculus (*MATH 105 or MATH Category I or II)	4
☐	MATH 160: Calculus with Applications, I (*MATH 125, 126, or pass CRD)	5
☐	MATH 242: Introduction to Statistics (*MATH 105 or MATH Category I or II)	3
☐	Select one: MATH 330 : Introduction to the History of Mathematics (*MATH 160; fall only) or MATH 448 : Mathematical Models and Methods in Biology (fall only, even years)	3