

Mathematics Major for BS Degree**Units**

Math 3, 4, 6 or 7A-B, 107 or 109, 114 or 115, 117 or 119, 121.....	25-28
Math 118A-B.....	3-6
Elect from: Math (u.d.), Physics 105A-B or 170A-B.....	8-2
	36

Additional Requirements: Physics 4A-B-C, Chem 1A-B or 1A, 8.

MINOR

Math 3, 4.....	10
Math electives (incl. 6 u.d.).....	9
	19

(See also credential minor.)

JUNIOR HIGH SCHOOL CREDENTIAL

(For revised credential structure see *Education Division*)

The junior high school credential authorizes the holder to serve as a teacher in grades seven, eight, and nine of elementary and secondary schools. For general and professional requirements, see *Education Division*.

The junior high school credential major in mathematics is the same as the portion of the general secondary credential major in this field which is required for the degree major; the minor is the same as the general secondary credential minor.

GENERAL SECONDARY CREDENTIAL

(For revised credential structure see *Education Division*)

The general secondary credential authorizes the holder to teach in secondary schools and in grades seven and eight of the elementary schools. For general and professional requirements, see *Education Division*.

Credential Major in Mathematics**Units**

Math 3, 4, 6 or 7A-B, 101, 102, 103 or 116, 114 or 115, 200 or 202.....	28-31
Elect from: Math 106, 107, 130.....	3
Math electives.....	5-2
	36

For further information and additional recommended courses, see the department credential adviser.

Credential Minor in Mathematics**Units**

Math 3, 4, 101, 102.....	16
Math electives.....	4
	20

MASTER OF ARTS AND MASTER OF SCIENCE DEGREES

The graduate programs in mathematics for master's degrees are based on the corresponding undergraduate programs at Fresno State College. Math 114, 115, 118A-B, and 119 must be completed if not taken in the undergraduate program. In addition, master of arts degree candidates must include Math 110 or 200. Specific requirements are listed below. For additional information or alternative programs appropriate for elementary, secondary, or junior college teachers, consult the department chairman; for general requirements see *Degrees and Credentials—Master's Degrees*.

Foreign Language Requirement

After September 1, 1962, advancement to candidacy for the master of arts degree with a major in mathematics (but not the credential major) will require two years of satisfactory collegiate study (or the equivalent) in one foreign language. The