IP: _____ Units Needed: _____Units: Total: Updt:

CATALOG YEARS: 2007-2011

Mathematics Minor

Student Name: _____ **ID#**_____ **Grad Term:** _____

- **All non-articulated courses MUST be reviewed by a faculty advisor and approved through the on-line Course Approval form**
- **All courses used for the minor must be completed with a grade of C (2.0) or better.**
- **A minimum of nine (9) upper-division units must be completed at CSU San Marcos.**

LOWER-DIVISION (9 UNITS):

Course #	Course Name	Units	Grade	Sem	Equivalent	Institution	Need	IP	Met
MATH 160	**Calculus with Applications I**	**5**							
MATH 162	**Calculus with Applications II**	**4**							

UPPER-DIVISION REQUIREMENTS (15 UNITS)

CHOOSE ONE OF THE FOLLOWING:

MATH 350 Foundations for Theoretical Mathematics
MATH 370 Discrete Mathematics

Course #	Course Name	Units	Grade	Sem	Equivalent	Institution	Need	IP	Met
		3							

CHOOSE ONE OF THE FOLLOWING:

(S) MATH 374 Linear Algebra (3)
(F) MATH 260 Calculus with Applications III (4) *(If not used as an upper-division elective below.)*

Course #	Course Name	Units	Grade	Sem	Equivalent	Institution	Need	IP	Met

NINE (9) ELECTIVE UNITS CHOSEN FROM THE FOLLOWING:

(F) MATH 330 Intro to History of Mathematics (3)
(F) MATH 362 Differential Equations (3)
(S) MATH 378 Number Systems (3)
(F) MATH/CS 464 Numerical Analysis and Computing (3) (*CS 111 and MATH 162)
(F) MATH/CS 480 Intro to Optimization (3) (*CS211 and MATH 374)

Any mathematics course numbered 410 through 599 except MATH 510.

Math 260 (4) may be substituted for an upper-division elective if MATH 260 is not substituted for MATH 374

Course Number/Title	Units	Grade	Sem	Equivalent	Institution	Need	IP	Met
	3							
	3							
	3							

F=course offered in Fall only S=course offered in Spring only blank=course offered Fall or Spring

Date _____ **Advisor Signature**_____

Grade Update: _____ _____ **(2) Date:** _____ _____ **(3) Date:** _____ _____