

Name:

Plan: SubPlan/Option:

Min. Units Required: 120 units

Mathematics, B.S.

Secondary Teacher Prep/Pure Mathematics

2021-2022 University Catalog Degree Curriculum Sheet

Major Required 54-58 units	General Education Requirements 48 Unit
MAT1140 - Calculus II (4) (B4) MAT1150 - Calculus II (4) (B4) MAT2010 - Introduction to Computational Methods in Mathematics (2) MAT2010L - Introduction to Computational Methods in Mathematics Laboratory (1) MAT2140 - Calculus III (4) MAT2300 - Introduction to Mathematical Proof (4) MAT3140 - Introduction to Abstract Algebra I (4) MAT3140 - Introduction to Abstract Algebra I (4) MAT4700 - Neutoduction to Abstract Algebra I (4) MAT4700 - Neutoduction to Complex Variable (4) PHY1510 - Neutocino to Complex Variable (4) PHY1510 - Introduction to Newtonian Mechanics (3) (B1) PHY1520 - Introduction to Newtonian Mechanics (3) (B1) PHY1520 - Introduction to Electromagnetism and Circuits (3) and PHY1520 - Introduction to Electromagnetism and Circuits (3) and PHY1520 - Introductions of Biology: Energy, Matter, and Information Laboratory (1) (B3) and BIO1210 - Foundations of Biology: Evolution, Ecology, and Biodiversity (3) and BIO1220 - Foundations of Biology: Evolution, Ecology, and Biodiversity Laboratory (1) STA2100 - Introduction to Statistics (4) STA2200 - Introduction to Statistics (4) STA2200 - Introduction to Reading I (3) MAT3300 - Introduction to Reading I (3) MAT3300 - Mistory of Mathematics (3) MAT3300 - Mistory of Mathematics (3) MAT3300 - Mistory of Mathematics (3) MAT3300 - Modern Euclidean Geometry (4) MAT3300 - Modern Euclidean Geometry (4) MAT3300 - Modern Euclidean Geometry (4) MAT3300 - Modern Euclidean Geometry (4) MAT34707 - Combinatories (3)	Students should view their Degree Progress Report (DPR) for information regarding their General Education requirements. Unless specific GE courses are required for their major, please refer to the list of approved courses in the General Education Program in the University Catalog catalog.cpp.edu. When viewing the catalog, students should select the catalog year associated with the GE requirements listed in their Degree Progress Report. Area A. English Language Communication and Critical Thinking (9 units) At least 3 units from each sub-area 1. Oral Communication 2. Written Communication 3. Critical Thinking Area B. Scientific Inquiry and Quantitative Reasoning (12 units) At least 3 units from B1, B2, B4, and B5 including 1 unit of lab from B1 or B2 to fulfill B3 1. Physical Sciences 3. Laboratory Activity 4. Mathematics/Quantitative Reasoning 5. Science and Technology Synthesis Area C. Aris and Humanities (12 units) At least 3 units from each sub-area 1. Visual and Performing Aris 2. Literature, Modern Languages, Philosophy and Civilization 3. Aris and Humanities Synthesis Area C. Aris and Humanities Synthesis Area D. Social Sciences (9 units) At least 3 units from each sub-area 1
IAT4200 - Differential Geometry (3) IAT4210 - Introduction to Topology (3) IAT4750 - Graph Theory (3)	Area E. Lifelong Learning and Self-Development (3 units) Area F. Ethnic Studies (3 units)
IAT4950 - Teaching Mathematics in Secondary Schools I (4) and	Interdisciplinary General Education 18 Unit
MAT4960 - Teaching Mathematics in Secondary Schools II (4) Unrestricted Electives 0-11 units Select a sufficient number of courses so that the total from "Major Required", "GE", and "Unrestricted Electives" is at least 104 units.	An alternate pattern for partial fulfillment of GE Areas A, C, and D available for students is the Interdisciplinary General Education (IGE) program. Students should see an advisor for specific GE coursework required by their major. Please refer to the University Catalog General Educatio Program section for additional information. <i>How IGE fulfills General Education Requirements:</i>
	Year Completion of IGE Courses Satisfies GE Requirements
	First IGE 1100, IGE 1200 A2 and C2
	Second/Third IGE 2150, IGE 2250 D1 and C2
	IGE 2350 C1
	IGE 3100 C3 or D4
	American Institutions 6 Unit
	Courses that satisfy this requirement may also satisfy GE Area D1 and D2.
	Graduation Writing Tost

Graduation Writing Test

All persons who receive undergraduate degrees from Cal Poly Pomona must pass the Graduation Writing Test (GWT). The test must be taken by the semester following completion of 60 units for undergraduates.