

Need Help in Selecting Your Math Course? Follow These Steps!

1. You'll need a copy of the Cal Poly Catalog.

Order by phone: (800) 367-0771, or online at www.elcorralbookstore.com. The catalog contains important information regarding testing, prerequisites and requirements. You can also find the catalog online at the Cal Poly Academic Program's website (www.calpoly.edu/~acadprog/).

- **Read the information on the ELM (Entry Level Math) requirement and the MAPE (Math Placement) test.**

There *are* exemptions for both the ELM and MAPE tests. Please read the information carefully to find out if you are exempt. Then look in the back section of the catalog where you will find course descriptions of all introductory mathematics course.

If you still have questions concerning the ELM Requirement after reading the information in the catalog, please call:

Sheryl O'Neill, ELM/MAPE Coordinator, Math Department **(805) 756-2734**

or

Francesca Fairbrother, Coordinator, Math Department **(805) 756-6535**

- **Read the curriculum for your major - especially the mathematics course requirements.**

You should now know what mathematics courses you need to take at Cal Poly.

2. Study the information below on prerequisites for math classes with your catalog next to you.

This information will not be a perfect fit for all students, but it should be a good first approximation. We at Cal Poly cannot measure factors such as maturity, ability to concentrate, and willingness to work hard (a minimum of two hours of study for each hour in class).

3. Ask questions now - we're here to help!

We are happy to answer your questions. Please call the ELM/MAPE Office, (805) 756-2268, or the Mathematics Department, (805) 756-2206.

Prerequisites for Math Courses

- I.** If you are not exempt, you **MUST** take the ELM exam prior to enrollment in **any** courses at Cal Poly.
- II.** If you are not exempt from the ELM exam and received an ELM score **below 50** you must take:
- Math 100, followed by Math 104 if your score was below 41;
 - Math 104 if your score was between 41 and 49.

If you score below 41 you must take *both* Math 100 and Math 104.

A score of 50 or above on the ELM or completion of Math 104 at Cal Poly satisfies the ELM requirement and qualifies you to enroll in Math 112 or Math 116. An ELM exam score of 65 or above also qualifies you to enroll in Math 118. Enrollment in higher level coursework requires a passing score on the MAPE.

In order to enroll in the courses below, you *must* either be exempt from the ELM Exam or have satisfied the ELM requirement.

III. Most Liberal Arts Majors and majors which do not specify a certain math course may take Math 112 **or** Math 116 followed by Math 117.

IV. Majors That Require Precalculus Algebra

[**Math 116 plus Math 117**] OR **Math 118***

* You are eligible for Math 118 **only** if your SAT Math score is 550 or above, if your ACT Math score is 23 or above, if your ELM score is 65 or above, **or** if you have passed the Cal Poly MAPE test. Math 116 followed by Math 117 is equivalent to Math 118, but presents the material at a slower pace.

V. Majors That Require Precalculus Algebra and Trigonometry

[**Math 116 plus Math 117 plus Math 119**] OR [**Math 118 plus Math 119**]

See (IV) above for the prerequisites for precalculus algebra.

VI. Majors Requiring Calculus

a) **Math 141**

You are eligible for this course if your SAT Math score was 600 or above and/or your ACT Math score was 30 or above, and you earned A's and B's in Precalculus in high school. If you want to take Math 141, you should also have earned an A or B in Trigonometry.

b) **Math 161 or 221**

You are eligible for these courses if your SAT Math score was 600 or above and/or your ACT Math score was 30 or above, and you earned A's and B's in Precalculus in high school.

c) **Math 142, 162 or 182**

You are eligible for these courses if you received A's and B's in your high school AP Calculus class and earned a 3, 4 or 5 on the Advanced Placement AB exam.

d) **Math 143**

You are eligible for Math 143 if you received A's and B's in your AP Calculus class and earned a 3, 4 or 5 on the Advanced Placement BC exam.

MAPE - Math Placement Exam

The Cal Poly Math Placement Exam (MAPE) provides valuable placement advice for students who are selecting a math course at the level of Math 118, 119, 141, 161, 221 or 327. **Not all students need to take the MAPE - please read over the exemptions listed on the next page.** The MAPE is offered weekdays throughout the year. It is free, and you do not need to pre-register. However, we encourage you to call (805-756-2268) for an appointment if you are coming from out of town.

CSU Entry Level Mathematics (ELM) Information

All CSU students are required to take the ELM exam or provide documentation of an exemption, prior to enrolling in any courses. The following is a list of the exemptions:

- Scoring 550 or above on the Math SAT I/II
- Scoring 23 or above on the Math ACT
- Scoring 3 or above on the Advanced Placement Mathematics or Statistics Exam
- Placement in the "Ready for College" category on the Early Assessment Program (EAP) test of mathematics taken in conjunction with the 11th grade California Standards Test in High School Mathematics or Algebra II
- Placement in the "Ready for College - Conditional" category on the Early Assessment Program (EAP) test of mathematics taken in conjunction with the 11th grade California Standards Test in High School Mathematics or Algebra II **and** successful completion of a CSU-approved math or math-related course or activity taken before you enroll at a CSU campus
- Passing a transferable mathematics or statistics class with a grade of C or better at another college (a transcript is needed to verify the passing grade, and beginning and intermediate algebra courses taken at other institutions are **not** transferable and will **not** satisfy this requirement)

If your ELM exam score is below 50, you should take:

- a) Math 100, followed by Math 104 if your score was below 41;
- b) Math 104 if your score was between 41 and 49.

If your ELM exam score is below 41, you must complete Math 100 followed by Math 104 within your first year. Completion of Math 104 at Cal Poly satisfies the ELM requirement.

If your ELM exam score is 50 or above, you are eligible for Math 112 or Math 116, or Statistics 130, 217, 218, or 221. If your ELM exam score is 65 or above, you are also eligible for Math 118. Enrollment in higher level coursework requires a passing score on the MAPE.

Cal Poly Math Placement Exam Information (MAPE)

The MAPE is *not* intended for all students, so read carefully to see whether or not you need to take the MAPE. At Cal Poly, the Math Placement Exams (MAPE) are used to place students who have satisfied the ELM requirement into appropriate mathematics courses.

The Precalculus MAPE: If you plan to enroll in Trigonometry (Math 119), Calculus (Math 141, 161 or 221) or Math for Elementary Teaching I (Math 327), and have one of the following prerequisites, you **do not** need to take the precalculus MAPE.

- An SAT I/II Math score of 600 or above
- An Advanced Placement Math exam score of 3 or above (AB or BC)
- An ACT Math score of 30 or above
- A transferable course equivalent to Math 118 with a grade of C or better
(Note: for Math 141 you must also have the equivalent of high school or community college credit for Trigonometry, Math 119)

The Intermediate Algebra MAPE: If you plan to enroll in Precalculus Algebra (Math 118), and have one of the following prerequisites, you **do not** need to take the intermediate algebra MAPE.

- An SAT I/II Math score of 550 or above
- An ACT Math score of 23 or above
- An ELM exam score of 65 or above

If you have satisfied the ELM requirement and plan to enroll in Math 112 or Math 116, you *do not* need to take the MAPE.

If you have any questions, please contact Sheryl O'Neill, ELM/MAPE Coordinator (756-2734), or Francesca Fairbrother, Administrative Coordinator, Mathematics Department (756-6535)
