

FALL 2024: MATHEMATICS (NFRS)

Calculus is required for all students interested in applying to a traditional health professional program after UC San Diego and/or for students pursuing one of the following three BSPH Majors:

Bachelor of Science in Public Health with Concentration in Biostatistics (PB26)

- Requires completion of MATH 18, MATH 20ABC

Bachelor of Science in Public Health with Concentration in Climate and Environmental Sciences (PB27)

- Requires completion of MATH 10AB or MATH 20AB

Bachelor of Science in Public Health with Concentration in Medicine Sciences (PB31)

- Requires completion of MATH 10AB or MATH 20AB

Pre-Health Tracks (PRE-MED, PRE-DENTAL, PRE-PHARM, PRE-OPOMETRY, PRE-PA*, PRE-NURSING*, PRE-PT/OT*, PRE-NUTRITION*, ETC.)

- Requires completion of MATH 10AB or MATH 20AB
- *NOTE: Some programs do not require calculus however MATH 10A is required to enroll in the general Chemistry Sequence

CALCULUS:

All students from above should enroll in a Mathematics course this fall to stay on track. The [Math Placement Exam](#) (MPE) is used to determine a student's proper placement for enrollment to UC San Diego [Entry-Level Math Pathways](#). Students who do not meet a prerequisite for enrollment must take the MPE prior to course registration. See [Need MPE?](#) to determine if you need to take the MPE.

- **MATH 2.** Introduction to College Mathematics, **MATH 3B.** Foundations of Precalculus, **MATH 3C.** Precalculus (4 units), or **MATH 4C.** Precalculus for Science and Engineering (4 units)
 - Students who took the [MPE](#) and placed into one of these courses should enroll in the mathematics course they placed into for FA24.
- **MATH 10A.** Calculus I (4 units)
 - Students who met the following requirements below should enroll in this course for FA24:
 - Earned a score of **4 or higher** on **AP Precalculus Exam** (Only valid for 2 years when used for math placement), OR
 - Earned a score of **2** on **AP Calculus AB Exam** (Only valid for 2 years when used for math placement), OR
 - Earned a score of **600 or higher** on the **SAT Subject Test Math Level 2 Exam**, OR
 - Received credit for **MATH 3C** or **MATH 4C**, OR
 - Qualifying placement on the [MPE](#).
- **MATH 10B.** Calculus II (4units)
 - Students who met the following requirements below should enroll in this course for FA24:
 - Earned a score of **3 or higher** on the **AP Calculus AB Exam** (or equivalent AB sub-score on the BC exam), OR
 - Received credit for **MATH 10A/MATH 20A**.
- **MATH 18.** Linear Algebra (4units)
 - Students who met the following requirements below can consider enrolling in this course for FA24:
 - Earned a score of **3 or higher** on the **AP Calculus AB Exam** (or equivalent AB sub-score on the BC exam), OR
 - Earned a score of **650 or higher** on the **SAT Subject Test Math Level 2 Exam**, OR
 - Received credit for **MATH 4C** or **MATH 10A/MATH 20A**, OR
 - Qualifying placement on the [MPE](#).
- **MATH 20A.** Calculus for Science and Engineering I (4 units)
 - Students who met the following requirements below should enroll in this course for FA24:
 - Earned a score of **3** on **AP Calculus AB Exam** (Only valid for 2 years when used for math placement), OR
 - Earned a score of **650 or higher** on the **SAT Subject Test Math Level 2 Exam**, OR
 - Received credit for **MATH 4C** or **MATH 10A**, OR
 - Qualifying placement on the [MPE](#).
- **MATH 20B.** Calculus for Science and Engineering II (4 units)
 - Students who met the following requirements below should enroll in this course for FA24:
 - Earned a score of **4 or higher** on the **AP Calculus AB Exam**, OR
 - Earn a score of **3** on the **AP Calculus BC Exam**, OR
 - Received credit for **MATH 20B**, **MATH 10B**, or **MATH 10C**.
- **MATH 20C.** Calculus and Analytic Geometry for Science and Engineering (4 units)
 - Students who met the following requirements below should enroll in this course for FA24:
 - Earned a score of **4 or higher** on the **AP Calculus BC**, OR
 - Received credit for **MATH 20B**.