

## Second Read Curriculum Review

Programs 4/27/23

1st Read Meeting Date	Program Title	Program Description	Program Type (B, ADT, AA, AS, CA, JSC, NC)	Request Type	Units/Hours	Start Semester
3/9/2023	Mechanical/Aerospace Engineering	<p>The Associate of Science in Mechanical/Aerospace Engineering (ASMAE) program prepares students for transfer to university programs in civil engineering and related majors. The ASMAE includes coursework in physics, calculus, chemistry, materials science, electric circuits, engineering graphics, and statics. Students are advised that many engineering courses have science and math prerequisites. The ASMAE degree is a high-unit major and it is recommended that the students contact a STEM counselor or advisor for guidance regarding appropriate sequencing to complete their degree requirements. Additional coursework may be required for transfer to specific universities.</p> <p>To Achieve the Associate of Science: Upon completion of graduation requirements and the required degree courses with at least a "C" or "P" grade in each course, the student will be awarded an Associate of Science degree.</p>	Associate of Science	New	67-79	Summer 2023
3/9/2023	Sports Medicine	<p>This certificate in Sports Medicine provides students with the foundational knowledge necessary to prepare them to apply for Masters of Athletic Training programs and move into the profession of Athletic Training. The certificate will provide hands-on experience in injury prevention, rehabilitation, mechanisms of injury, assessments, and appropriate care. Students will have an opportunity to obtain observation hours in the Bakersfield College Athletic Training clinic to gain experience and work directly with athletes. The Sports Medicine Certificate is a three-semester, 16 credit certificate of achievement, which includes a work-based internship. All coursework will include Kinesiology courses (KINSB1A, KINSB2A, KINSB3A, KINSB3B, KINSB48WE) which are requirements of the Kinesiology AA-T and can be used to continue coursework at the California State University and University of California levels. The certificate of achievement is created to be a stackable component with the Associates Transfer Degree. The curriculum is designed to be flexible enough to support students in various stages of their academic and career paths.</p> <p>To Achieve the Certificate of Achievement: Upon completion of the required courses with at least a "C" or "P" grade in each course, the student will be awarded a Certificate of Achievement.</p>	Certificate of Achievement	New	16	Summer 2024
2/23/2023	Electronic Systems Engineering Technology	<p>The AS in Electronic Systems Engineering Technology program prepares students for transfer to programs in Electronic Engineering Technology, Electrical Engineering Technology, Computer Engineering Technology, or similar programs. Students learn engineering fundamentals and gain hands-on skills with digital circuits, DC and AC electronics, C++ programming, programmable logic controllers (PLCs), and AutoCAD. Students interested in transfer opportunities at Cal Poly Pomona, CSU Long Beach, or engineering technology programs at universities outside California via the Western Undergraduate Exchange should contact a counselor or educational advisor.</p>	Associate of Science	New	62 - 71	Summer 2023