

First Read Curriculum Review

Programs

Meeting Date	Program Title	Program Description	Program Type (B, ADT, AA, AS, CA, JSC, NC)	Request Type	Units / Hours	Start Semester
2/23/2023	Applied Engineering	This program prepares students for transfer into the BS in Engineering program at CSU Bakersfield, a broad-based general engineering degree program. Students may also meet transfer requirements for other applied engineering programs, such as the Marine Engineering Technology and Facilities Engineering Technology programs at the California Maritime Academy. As such, it provides the graduate flexibility, breadth of technical knowledge, and communication skills important in today's rapidly changing multidisciplinary work environment. In addition to courses in calculus, chemistry, and physics, students also study materials science, engineering mechanics (statics, dynamics, and strength of materials), and engineering graphics with Solidworks. 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.	Associate of Science	New	63 - 78	Summer 2023
2/23/2023	Construction Engineering Technology	The Construction Engineering Technology program prepares students for transfer to Construction Management programs at several California State University campuses. In addition to learning calculus and physics in this STEM program, students develop skills and knowledge in various aspects of the construction process, including surveying, construction methods, business law, static load analysis, financial accounting, and AutoCAD. Transfer Notes: Cal Poly SLO requires PHYS B4A-B4B (calculus-based), all other CSU's require PHYS B2A-B2B (algebra/trig-based). Some CSU campuses waive the A3 critical thinking requirement for Construction Management. Additional transfer opportunities to university programs outside California are available through the Western Undergraduate Exchange. Students interested in transferring should contact a counselor or educational advisor.	Associate of Science	New	60 - 73.5	Summer 2023
2/23/2023	Diesel Engine Systems	The Diesel Engine Systems Certificate of Completion is designed to support new, current, and returning students by providing tools and strategies to be successful in the area of off-highway diesel engine repair. Topics covered during the completion of this certificate include basic tool knowledge and shop safety skills, engine parts identification and basic engine theory. Modern computer-controlled diesel engine theory and troubleshooting is also covered along with diesel exhaust emissions systems and exhaust aftertreatment. Upon completion of the following courses with a grade of "P", the student will be awarded a Certificate of Completion.	Certificate of Completion (NC)	New	0	Summer 2023
2/23/2023	Electrical Engineering	The Associate of Science in Electrical Engineering (ASEE) program prepares students for transfer to university programs in electrical engineering and related majors. The ASEE includes coursework in physics, calculus, chemistry, C++ programming, electric circuits, and digital logic. Students are advised that many engineering courses have science and math prerequisites. The ASEE 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.	Associate of Science	New	62 - 74	Summer 2023
2/23/2023	Electronic Systems Engineering Technology	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.	Associate of Science	New	62 - 71	Summer 2023

2/23/2023	Forestry (Forestry Associate of Arts Degree)	<p>The program provides a broad general experience in the arts and science to develop an individual with a well-rounded education, and a core of basic courses which furnish the student with a perspective of the scientific and professional area of forestry, natural resources, fisheries and wildlife. The pre-forestry, resource conservation and wildlife management program at Bakersfield College should conform to the recommended program as prescribed by the school to which the student wishes to transfer. Students planning to go to work after completing a two-year degree should complete the Associate in Science degree.</p> <p>To Achieve the Associate of Science Upon completion of graduation requirements and the required degree courses with at least a 'C' grade in each course, the student will be awarded a Forestry Associate of Sience Degree.</p>	Associate of Science (A.S.) degree	Deletion		
2/23/2023	Forestry (Forestry Associate of Arts)	<p>The program provides a broad general experience in the arts and science to develop an individual with a well-rounded education, and a core of basic courses which furnish the student with a perspective of the scientific and professional area of forestry, natural resources, fisheries and wildlife. The pre-forestry, resource conservation and wildlife management program at Bakersfield College should conform to the recommended program as prescribed by the school to which the student wishes to transfer. Students planning to go to work after completing a two-year degree should complete the Associate in Science degree and not the Associate in Arts degree. Career opportunities include forestry, fishing industries and wildlife management.</p> <p>To Achieve the Associate of Arts Upon completion of graduation requirements and the required degree courses with at least a 'C' grade in each course, the student will be awarded a Forestry Associate of Arts Degree.</p>	Associate of Arts (A.A.) degree	Deletion		
2/23/2023	Mechanical Engineering Technology	<p>The AS in Mechanical Engineering Technology program prepares students for transfer to programs in Electromechanical Engineering Technology, Manufacturing Engineering Technology, or similar programs at several California State University campuses. Students develop skills and knowledge in engineering fundamentals, materials science, static load analysis, and Solidworks. Additional transfer opportunities to mechanical engineering technology programs at universities outside California are available via the Western Undergraduate Exchange. Students interested in transferring should contact a counselor or educational advisor.</p>	Associate of Science	New	61 - 72	Summer 2023
2/23/2023	Mobile Equipment Electrical Systems	<p>The Mobile Equipment Electrical Systems Certificate of Completion is designed to support new, current, and returning students by providing tools and strategies to be successful in the area of off-highway equipment electrical system diagnostics and repair. Topics covered during the completion of this certificate include basic electrical theory component identification and function as well as electrical safety skills. Additionally, this certificate will cover basic electrical tool and digital multi-meter use, understanding and interpreting electrical schematics as well as basic electrical symbols commonly associated with mobile equipment, basic theory and principles required to successfully troubleshoot failures and faults in mobile equipment electrical systems. Upon completion of the following courses with a grade of "P," the student will be awarded a Certificate of Completion.</p>	Certificate of Completion (NC)	New	0	Summer 2023