Second Read Curriculum Review
Programs 5/4/23

1st Read Meeting Date	Program Title	Program Description	Program Type (B, ADT, AA, AS, CA, JSC, NC)	Request Type	Units/Hours	Start Semester
4/27/2023	Industrial Automation Associates Degree	The Associate of Science (AS) in Industrial Automation includes hands-on coursework in basic electronics (DC and AC), programmable logic controllers (PLC's), instrumentation and process control, electric motors, telecommunication systems, AutoCAD, and chemistry. This degree teaches essential skills that can be put to use as an industrial technician, electronics technician, field service representative, or a technical salesperson. Graduation with the AS degree requires students to complete the Bakersfield College general education pattern, the CSU Breadth general education pattern, or the IGETC general education pattern. Students completing the AS in Industrial Automation with either CSU Breadth or IGETC general education will be prepared to apply for admission to the Bachelor of Science degree in Industrial	Associate of Science	Revision	68-79.5	Fall 2023
4/27/2023	Industrial Drawing	Students who complete the Industrial Technology degree with the Industrial Drawing option will acquire information, skills, and training in a variety of fields that will enable them to apply their knowledge in an array of situations, including engineering and manufacturing settings. Students will acquire the practical knowledge and skills to successfully enter industry employment or to advance within their organization. Career opportunities include architecture, engineering, industrial technology draftsman, CAD Technician, engineering technician, CAD Manager, and detailer. Career Opportunities: Architectural and Civil Drafters, Electrical and Electronics Drafters, Engineering Technician, Mechanical Drafters To Transfer Coursework, a minimum of 31 semester units in the major with a grade of 'C' or better while maintaining a minimum grade point average of at least 2.0 in all California State University transferable coursework. 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	Revision	60 - 71	Summer 2024

1st Read Meeting Date	Program Title	Program Description	Program Type (B, ADT, AA, AS, CA, JSC, NC)	Request Type	Units/Hours	Start Semester
4/27/2023	Industrial Automation Bachelor Degree	Industrial automation represents the technology-driven business model of the 21st century. In today's industry, engineers involved in developing new products or processes work closely with technologists who apply scientific and technical knowledge in the design, manufacturing, and repair of automation systems. The Bachelor of Science degree in Industrial Automation equips students with the skill set those technologists require in a wide range of industries. Lower division core required courses include DC electronics, AC Electronics, computer integrated manufacturing, programmable logic controllers, instrumentation/process control, electric motors, and AutoCAD. Upper division technical courses cover a broad range of technical topics including industrial networks, process control, and robotics, courses in project management, quality management, facilities planning, and safety management. The program builds upon the college's associate degree program in electronics, allowing students who complete the associate degree or equivalent coursework from other colleges to enter as juniors and earn a baccalaureate. Student must complete either the CSU Breadth or the IGETC general education pattern to be graduate with a bachelor's degree in industrial automation. In addition, the following nine units of upper division general education are required: ENGL B100 "Technical Writing" PHIL B100 "Industry Ethics" PSYC B100 "Industrial and Organizational Psychology" To Achieve the Bachelor 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 Bachelor of Science	Bachelor of Science	Revision	120 - 129.5	Fall 2023
4/27/2023	Research Laboratory Technology	Bakersfield College's Baccalaureate Degree Program in Research Laboratory Technology will train students in key skills, scientific theory, and laboratory practices to equip them for technician careers utilizing: (1) modern instrumentation for qualitative and quantitative sample analyses, (2) "good laboratory practice", cleaning, and laboratory maintenance, (3) documentation skills for OSHA and other laboratory regulations and standards, and (4) computer systems for program management and reporting. 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 Bachelor of Science degree.	Bachelor of Science	New	120 - 130	Fall 2023
4/27/2023	Academic Research Skills	The Certificate of Competency in Academic Research Skills (NC) prepares students to navigate college-level research and to develop key information-seeking and evaluative strategies for successful source finding and utilization. This 18-hour certificate guides students through two courses, beginning with starting research strategies and finding information, and culminating in evaluating information. This program allows students to gain the preliminary college-level research skills of developing strategies to find information, finding and evaluating a range of sources relevant to research, and using information ethically. To achieve the Certificate of Competency: Upon completion of the following courses with a grade of 'P', the student will be awarded a Certificate of Completion.	Certificate of Competency	New	0	Summer 2023

Second Read Curriculum Review
Programs 5/4/23

1st Read Meeting Date	Program Title	Program Description	Program Type (B, ADT, AA, AS, CA, JSC, NC)	Request Type	Units/Hours	Start Semester
4/27/2023	Industrial Drawing AutoCAD	This certificate covers the principles of industrial drawing/CAD with the emphasis on using the AutoCAD software package from basic 2D principles through 3D solid modeling to obtain graphic solutions, design refinements, modifications and delineations. Software customization is also emphasized. Career Opportunities: Architectural and Civil Drafters, Electrical and Electronics Drafters, Mechanical Drafters. Upon completion of the required courses with at least a "C'" or "P" grade in each course, the student will be awarded a Job Skills Certificate.	Job Skills Certificate	Revision	45178	Summer 2024
4/27/2023	Woodworking & Cabinetmaking	This certificate covers the principles of woodworking to include materials, hand tools, wood cutting machinery and wood finishing. Emphasis will be put on designs to include modular construction, new materials and processes. Advanced bidding techniques are discussed. Career Opportunities: Cabinetmaker, Carpenter To Achieve the Job Skills Certificate: Upon completion of the required courses with at least a "C" or "P" grade in each course, the student will be awarded a Job Skills Certificate.	Job Skills Certificate	Revision	45114	Fall 2023