

**First Read Curriculum Review**

**Programs 9/21/23**

Meeting Date	Program Title	Program Description	Program Type (B, ADT, AA, AS, CA, JSC, NC)	Request Type	Units / Hours	Start Semester
9/21/2023	Electronics: Industrial Automation Job Skills Certificate	<p>The Bakersfield College Electronics Certificate program will show the world that you have gained the necessary knowledge and skills to perform better on the job. This program of study is widely recognized and modeled after local industry competency standards. A certified electronic professional often appears more dedicated, more skilled and thus more attractive to prospective employers. Program includes study in the following areas: electrical theory and components, soldering, wiring diagrams, safety programmable logic controllers, Allen Bradley SLC 500 and CLX 5000 computer integrated manufacturing. This program prepares students for careers in electronics technology. Entry level positions in petroleum/energy, manufacturing automation, process control, logistics and distribution, material processing, and industrial maintenance.</p> <p>To Achieve the Job Skills Certificate Upon completion of the following courses with at least a 'C' grade in each course, the student will be awarded an Electronics: Industrial Automation Job Skills Certificate.</p>	Job Skills Certificate	Deletion		Summer 2024
9/21/2023	Electronics: Industrial Communications Job Skills Certificate	<p>The Bakersfield College Electronics Certificate program will show the world that you have gained the necessary knowledge and skills to perform better on the job. This program of study is widely recognized and modeled after local industry competency standards. A certified electronic professional often appears more dedicated, more skilled and thus more attractive to prospective employers. Program includes study in the following areas: electrical theory and components, soldering, wiring diagrams, safety advanced analog semiconductor and digital devices, power supplies, test equipment, radio communications, antenna and transmission lines, telecommunications, video, data, network technology, and installation and wiring standards. This program prepares students for careers in electronics technology. Entry level positions in ancillary services, telecommunications, and radio communications</p> <p>To Achieve the Job Skills Certificate Upon completion of the following courses with at least a 'C' grade in each course, the student will be awarded an Electronics: Industrial Communications Job Skills Certificate</p>	Job Skills Certificate	Deletion		Summer 2024

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9/21/2023	Electronics: Industrial Maintenance Job Skills Certificate	<p>The Bakersfield College Electronics Certificate program will show the world that you have gained the necessary knowledge and skills to perform better on the job. This program of study is widely recognized and modeled after local industry competency standards. A certified electronic professional often appears more dedicated, more skilled and thus more attractive to prospective employers. Program includes study in the following areas: electrical theory and components, soldering, wiring diagrams, safety instrumentation, temperature, pressure, level detectors, motor theory and wiring, installation and wiring standards and mechanical systems. This program prepares students for careers in electronics technology. Entry level positions in petroleum/energy, instrumentation/process control, logistics and distribution, ancillary services, materials processing, and industrial maintenance.</p> <p>To Achieve the Job Skills Certificate Upon completion of the following courses with at least a 'C' grade in each course, the student will be awarded an Electronics: Industrial Maintenance Job Skills Certificate.</p>	Job Skills Certificate	Deletion		Summer 2024
9/21/2023	Electronics: Manufacturing Automation Job Skills Certificate	<p>The Bakersfield College Electronics Certificate program will show the world that you have gained the necessary knowledge and skills to perform better on the job. This program of study is widely recognized and modeled after local industry competency standards. A certified electronic professional often appears more dedicated, more skilled and thus more attractive to prospective employers. Program includes study in the following areas: electrical theory and components, soldering, wiring diagrams, safety, programmable logic controllers, instrumentation, temperature, pressure, level detectors, computer integrated manufacturing motor theory and wiring, and mechanical systems. This program prepares students for careers in electronics technology, entry level positions in petroleum/energy, manufacturing, instrumentation/process control, logistics and distribution, ancillary services, food and materials processing, and industrial maintenance.</p> <p>To Achieve the Job Skills Certificate Upon completion of the following courses with at least a 'C' grade in each course, the student will be awarded an Electronics: Manufacturing Automation Job Skills Certificate.</p>	Job Skills Certificate	Deletion		Summer 2024

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9/21/2023	Communication Studies 2.0	<p>The Communication Studies 2.0 Associate in Arts for Transfer is intended for all students who plan to complete an AA in Communication studies. This degree is especially valuable for those students planning on completing a bachelor's degree in Communication or a similar major at a CSU campus because Communication Studies 2.0 ADT guarantees admission to the CSU system (but not to a particular campus or major).</p> <p>Requirement for AA-T or AS-T degrees: The completion of 60 semester units that are eligible for transfer to the California State University, including both of the following: • The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University – Breadth Requirements.</p> <ul style="list-style-type: none"> <li>• A minimum of 18 semester units in a major area of emphasis, as determined by the district.</li> <li>• The obtainment of a minimum grade point average of 2.0.</li> <li>• The completion of all courses required for the major with a 'C' or better. A 'P' (Pass) grade is acceptable for courses in the major.</li> </ul>	Associate in Arts for Transfer	Revision	60	Summer 2024
5/4/2023	Project Management Essentials	<p>Provides students with the knowledge and skills needed in project planning and management. This program provides students with the practical application skills and working knowledge of the tools necessary to plan, implement and manage projects in any business environment. This program requires completion of two classes (INDA B50NC and INDA B51NC). The program courses include instruction in the fundamentals of project management, including planning, defining a project, resources, roles and responsibilities, necessary skills, tools and processes. Project management software options such as Microsoft Project are used throughout the program. Instruction will also cover team building, problem solving, decision making, using creativity and innovation, emerging trends, and communication skills.</p> <p>To achieve the Certificate of Completion: 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 2024
5/4/2023	Civil Engineering Technology	<p>Graduates of the Applied Science degree in Civil Engineering Technology program are prepared to support various areas of civil engineering, such as construction, water resources, public works, structural detailing and design, environmental evaluation, energy development, and related fields. In addition to engineering fundamentals, the program includes coursework in surveying, civil design with AutoCAD, process piping design with AutoCAD, geographic information systems (GIS), irrigation systems, geology, and environmental science. Students in the ASCET program may consider transfer opportunities to university programs in Construction Management (at eight California State University campuses) and Environmental Management &amp; Protection (at Cal Poly SLO). Opportunities to complete a bachelor's degree in surveying or geomatics via distance education are available through the Western Undergraduate Exchange. Students interested in transferring should contact a counselor or educational advisor. 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	Revision	60-70	Summer 2024

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5/4/2023	Electrician Apprenticeship	<p>Apprenticeship courses are designed for indentured apprentices under the Shelley-Maloney California Apprenticeship Standards Act. The Apprentice Agreement states that the student will supplement on-the-job training with related classroom instruction during each year of apprenticeship. Apprentice classes meet three to eight hours per week and yield two to six units of credit. Joint Apprenticeship Committees administering each program are composed of representation from labor, management, California State Division of Apprenticeship Standards, and Bakersfield College. These committees adopt state approved standards for operation and assure equal opportunity for applicants. Related training in apprenticeable occupations, in addition to those listed below, may be offered as the need arises.</p> <p>Information for entry into apprenticeship programs may be obtained from the college coordinator of apprenticeship training. Interested persons are encouraged to apply for any of these programs and may contact the Bakersfield College Apprenticeship Department at 661/395-4408 for further information.</p> <p>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 Arts (A.A.) degree	Revision	Dec-45	Summer 2023
5/4/2023	Human Services	<p>The Human Service Job Skills Certificate emphasizes academic preparation in disciplines relating to human services as well as hands-on experience through interning with community agencies. This certificate enhances students' preparation and facilitates employment opportunities in careers relating to servicing human needs.</p> <p>To Achieve the Job Skills Certificate Upon completion of the following courses with at least a 'C' grade in each course, the student will be awarded a Human Services Job Skills Certificate.</p>	Job Skills Certificate	Revision	13.5-14	Summer 2024
5/4/2023	Industrial Technology	<p>This degree covers the principles of industrial technology to prepare individuals for technical, management, and educational careers in a variety of industries including engineering, business, industry, and government. Students will take classes in the following programs: architecture, construction, drafting and CAD, manufacturing, occupational safety, welding, and woodworking.</p> <p>To Transfer Coursework: A minimum of 22 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.</p> <p>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 in Science	Revision	61-72	Summer 2024

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5/4/2023	Manufacturing Technology	<p>This program teaches students the spectrum of tools utilized in the manufacturing industry: manual machining, computer-controlled machining (CNC), welding, computer-aided design, and basic math.</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	Revision	31-33	Fall 2023
5/4/2023	Manufacturing Technology	<p>This program teaches students the spectrum of tools utilized in the manufacturing industry: manual machining, computer-controlled machining (CNC), welding, computer-aided design, and mathematics.</p> <p>Career Opportunities: Machinist, CNC Operator, CNC Programmer, and Drafter/Designer</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 in Science	Revision	60-69	Summer 2024
5/4/2023	Sheet Metal	<p>Apprenticeship courses are designed for indentured apprentices under the Shelley-Maloney California Apprenticeship Standards Act. The Apprentice Agreement states that the student will supplement on-the-job training with related classroom instruction during each year of apprenticeship. Apprentice classes meet three to eight hours per week and yield two to six units of credit. Joint Apprenticeship Committees administering each program are composed of representation from labor, management, California State Division of Apprenticeship Standards, and Bakersfield College. These committees adopt state-approved standards for operation and assure equal opportunity for applicants. Related training in apprentice-able occupations, in addition to those listed below, may be offered as the need arises.</p> <p>Information for entry into apprenticeship programs may be obtained from the college coordinator of apprenticeship training. Interested persons are encouraged to apply for any of these programs and may contact the Bakersfield College Apprenticeship Department at 661/395-4408 for further information.</p> <p>To Achieve the Associate of Science Degree 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 Arts (A.A.) degree	Revision	60 - 68	Summer 2023

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5/4/2023	Sociology	<p>The Associate in Arts in Sociology for Transfer (AA-T) is intended for all students who plan to complete an Associate in Arts in Sociology. This degree is especially valuable for those students planning on completing a bachelor's degree in Sociology at a CSU campus because the Associate in Arts in Sociology for Transfer guarantees admission to the CSU system (but not to a particular campus or major). Students transferring to a CSU campus that does accept the Associate in Arts in Sociology for Transfer will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree eliminates the additional Bakersfield College graduation requirements.</p> <p>Requirements for AA-T or AS-T degrees:                      The completion of 60 semester units that are eligible for transfer to the California State University, including both of the following:</p> <ul style="list-style-type: none"> <li>• The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University – Breadth Requirements.</li> <li>• A minimum of 18 semester units in a major area of emphasis, as determined by the district.</li> <li>• The obtainment of a minimum grade point average of 2.0.</li> <li>• The completion of all courses required for the major with a "C" or better. A "P" (Pass) grade is acceptable for courses in the major.</li> </ul>	Associate in Arts for Transfer	Revision	60	Summer 2024
5/4/2023	Web Design and Development	<p>This Certificate of Achievement teaches the skills and knowledge needed to be successful in the field of web development. Provides a foundation in usability, accessibility, and design principles, as well as, technical skills at hand-coding HTML, CSS, JavaScript, PHP and MySQL. Includes use of authoring tools for design, editing and publishing of web pages, documents and audiovisuals on the Internet.</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	Revision	18	Fall 2023
5/4/2023	Welding	<p>The Associate in Science in Welding is designed to prepare students for optimal success in higher education and technical careers in an environment that will encourage a lifelong pursuit of learning. Upon completion of the associate's degree program, graduates will be eligible for entry-level employment in welding, fabrication, and manufacturing environments.</p> <p>To Achieve the Associate of Science Degree:                      Upon completion of graduation requirements and the required degree courses with at least a 'C' grade in each course, the student will be awarded an Associate of Science Degree in welding.</p>	Associate of Science	Revision	65-77	Summer 2024

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4/27/2023	Automotive Heating and Air Conditioning	<p>The Automotive Heating and Air Conditioning Certificate signifies that the student has developed skills to diagnose and repair several types of heating and air conditioning systems found in automotive, agriculture, and industrial applications. Students can implement the skills in daily employment throughout the associated industries, such as automotive and heavy-duty dealerships, independent repair shops, performance shops, construction companies, agriculture companies, government agencies, etc.</p> <p>Students earning this certificate will be prepared to further pursue certification through ASE in the A7, T7, H7, and S7. Students will have earned MACS Section 609 certification under Section 609 of the Environmental Protection Agency (EPA) Clean Air Act.</p> <p>Career Opportunities: Automotive Technician, Automotive HVAC Technician.</p> <p>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	Revision	12	Summer 2024
4/27/2023	Construction Technology	<p>The requirements for the Construction Technology Certificate of Achievement are intended to provide students with the opportunity to develop skills and knowledge to enter into the diverse residential construction field. So each student can explore and design their respective career path, emphasis is placed on blending technical skill development, industrial safety with practical lab activities. Students can obtain these courses from within the Construction Technology area and from the various related disciplines (architecture, industrial drawing, industrial technology and wood technology).</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	Revision	40 - 41	Summer 2024