Intersession 2019 Courses

**AIRC 133 - EPA Certification  2.00 Units**

*Grading: L | Advisory Level — Read: 3 | Write: 3 | Math: 2*

*Transfer Status: None | Degree Applicable: AS*

Students will acquire the technical skills to complete the Section 608 of the Federal Clean Air Act "EPA Certification Program". They will study types of refrigerants, practical refrigerant recovery, recycling, evacuation, and recharging. Students successfully completing this course will receive the Section 608 EPA Universal Certification. A written board approved exam will be administered within the course whereupon students who successfully pass with 72% or higher will earn the Section 608 EPA Universal Certification.

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**AJ 131 - Workplace Relationships  3.00 Units**

*Grading: L | Advisory Level — Read: 3 | Write: 3 | Math: 0*

*Transfer Status: CSU | Degree Applicable: AA/AS*

Students will learn about the complexities of interpersonal workplace relationships and communications in the judicial branch. Knowledge will be gained of successful workplace skills and abilities, such as leadership, management, individual, group, and organizational behavior.

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This is an online section.

**ART 091 - Art History-Prehistoric-Gothic  3.00 Units**

*Grading: L | Advisory Level — Read: 3 | Write: 3 | Math: *

*Transfer Status: CSU/UC | Degree Applicable: AA/AS*

Students will study Western art history from the Prehistoric through the Gothic periods. Course content emphasizes painting, sculpture, and architecture from the most important centers of culture, and how art reflects historical, social, political, and religious attitudes of the time. Comparative analysis of styles with critical evaluation of aesthetics. A field trip may be required.

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**BUS 008 - Business English/Writing  3.00 Units**

*Grading: L | Advisory Level — Read: 3 | Write: 3 | Math: 0*

Recommended: BUS 007A and competent use of Microsoft Word and Excel programs

*Transfer Status: CSU | Degree Applicable: AA/AS*

Students determine the content, styles, medium, and audience considerations for business communications. Students will acquire the skills to write successful memorandums, letters, email messages, and reports. The grammar skills acquired in BUS 007A facilitate successful completion of this course. Prior completion of BUS 007A is highly recommended.

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This is an online section.

**BUS 082 - Introduction to Business  3.00 Units**

*Grading: L | Advisory Level — Read: 4 | Write: 4 | Math: 2*

*Transfer Status: CSU/UC | Degree Applicable: AA/AS*
Students are introduced to the business functions and practices as they have developed over time in the U.S. Students will be introduced to topics such as organizational structure and behavior, management, marketing, finance and accounting, operations and information systems, and ethical responsibilities of corporations. Special emphasis will be placed on the emergence and impact of global business, and the significance of small businesses. Underlying many of the topics will be the management aspects of planning organizing, leading and controlling of business units. Finally, the course will cover skills and attributes necessary for successful employment in the various functions of business.

**Reg ID** 97157  
**Sec** 101  
**Type** Online  
**Days**  
**Time** 01/02/19— 01/24/19  
**Room**  
**Instructor** Johnson, Christina

This is an online section.

**CA 040D - Microsoft Word Level 1  1.00 Units**

**Grading:** L  
| **Advisory Level** — Read: 3 | Write: 3 | Math: 0  
**Recommended:** Basic touch keyboarding of 25 net words per minute  
**Transfer Status:** None | Degree Applicable: AS

Students will learn the basics of Microsoft Word including: creating documents; using tables and templates to create resumes and cover letters; creating research papers, newsletters, and merged mailing labels. In addition, students will learn how to use styles, create multilevel lists and charts, and table features. This is a self-paced course.

**Reg ID** 97158  
**Sec** 101  
**Type** Online  
**Days**  
**Time** 01/02/19— 01/24/19  
**Room**  
**Instructor** Branom, Mark

This is an online section concurrent with CA 45D, 50D, 55D, 60D, 65D, 70D, 75D, 80D. You may only enroll in one of these sections.

**CA 045D - Microsoft Word Level 2  1.00 Units**

**Grading:** L  
| **Advisory Level** — Read: 3 | Write: 3 | Math: 0  
**Recommended:** Basic touch keyboarding of 25 net words per minute  
**Transfer Status:** None | Degree Applicable: AS

Students learn the expert level features of Microsoft Word including: building documents from reusable content, using markup tools, creating web content, using advanced editing tools, and creating mass mailings. Students also learn about creating standardized forms, managing documents, integrating MS Word with MS PowerPoint, and modifying document components.

**Reg ID** 97160  
**Sec** 101  
**Type** Online  
**Days**  
**Time** 01/02/19— 01/24/19  
**Room**  
**Instructor** Branom, Mark

This is an online section concurrent with CA 45D, 50D, 55D, 60D, 65D, 70D, 75D, 80D. You may only enroll in one of these sections.

**CA 050D - Microsoft Excel Level 1  1.00 Units**

**Grading:** L  
| **Advisory Level** — Read: 3 | Write: 3 | Math: 0  
**Recommended:** Basic touch keyboarding of 25 net words per minute  
**Transfer Status:** None | Degree Applicable: AS

Students will learn the basic features of Excel to create charts, work with built in mathematical functions, create tables, and manage large worksheets. Students will apply themes and conditional formatting to modify the style of the worksheet as well as save files under different formats. Students will create excel databases as well as sort and filter data. This is a self-paced course.

**Reg ID** 97161  
**Sec** 101  
**Type** Online  
**Days**  
**Time** 01/02/19— 01/24/19  
**Room**  
**Instructor** Branom, Mark

This is an online section concurrent with CA 45D, 50D, 55D, 60D, 65D, 70D, 75D, 80D. You may only enroll in one of these sections.

**CA 055D - Microsoft Excel Level 2  1.00 Units**

**Grading:** L  
| **Advisory Level** — Read: 3 | Write: 3 | Math: 0  
**Recommended:** Basic touch keyboarding skill of 25 net words a minute and completion of CA 050D is strongly recommended.  
**Transfer Status:** None | Degree Applicable: AS

Students will use the advanced features of Microsoft Excel to create Pivot Table and Pivot Chart reports, audit worksheets, analyze and summarize data, create macros, and work with visual basic for applications. Students will also import data from other applications, use database statistics, manage workgoup collaboration, and prepare a workbook for final distribution. This is a self-paced course.

**Reg ID** 97162  
**Sec** 101  
**Type** Online  
**Days**  
**Time** 01/02/19— 01/24/19  
**Room**  
**Instructor** Branom, Mark

This is an online section concurrent with CA 45D, 50D, 55D, 60D, 65D, 70D, 75D, 80D. You may only enroll in one of these sections.

**CA 060D - Microsoft Access Level 1  1.00 Units**
**Grading:** L | **Advisory Level** — **Read:** 3 | **Write:** 3 | **Math:** 0

**Recommended:** Basic touch keyboarding of 25 net words per minute

**Transfer Status:** None | **Degree Applicable:** AS

Students use the basic features of Microsoft Access to design databases. They will create database objects such as tables, queries, forms, and reports. Students will import and export data. This is a self-paced course.

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This is an online section concurrent with CA 45D, 50D, 55D, 60D, 65D, 70D, 75D, 80D. You may only enroll in one of these sections.

**CA 065D - Microsoft Access Level 2** 1.00 Units

**Grading:** L | **Advisory Level** — **Read:** 3 | **Write:** 3 | **Math:** 0

**Recommended:** Basic touch keyboarding of 25 net words per minute and completion of CA 060D strongly recommended

**Transfer Status:** None | **Degree Applicable:** AS

Students will use advanced features of Microsoft Access. They will customize forms and reports, create macros, Pivot Tables/Charts, integrate with other applications, secure databases, and write SQL statements. Students learn to group, and perform summary calculations in reports. They will create main forms and subforms, as well as create reports and sub reports. They will learn to import and export data between Access, Excel, and Word.

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This is an online section concurrent with CA 45D, 50D, 55D, 60D, 65D, 70D, 75D, 80D. You may only enroll in one of these sections.

**CA 070D - Microsoft PowerPoint Level 1** 1.00 Units

**Grading:** L | **Advisory Level** — **Read:** 3 | **Write:** 3 | **Math:** 0

**Recommended:** Basic touch keyboarding of 25 net words per minute.

**Transfer Status:** None | **Degree Applicable:** AS

Students will learn the basic features of Microsoft PowerPoint including creating new presentation, formatting, enhancing presentations with animation, video, tables, and charts. Students will also learn to create templates, review, publish, compare, combine, and protect presentations. This is a self-paced course.

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This is an online section concurrent with CA 45D, 50D, 55D, 60D, 65D, 70D, 75D, 80D. You may only enroll in one of these sections.

**CA 075D - Microsoft PowerPoint Level 2** 1.00 Units

**Grading:** L | **Advisory Level** — **Read:** 3 | **Write:** 3 | **Math:** 0

**Transfer Status:** None | **Degree Applicable:** AS

Students will use advanced features of Microsoft PowerPoint. They will apply advanced graphic techniques, insert and embed audio and video, and use tables and pie charts. They will also learn about publishing presentations in other formats. This is a self-paced course.

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This is an online section concurrent with CA 45D, 50D, 55D, 60D, 65D, 70D, 75D, 80D. You may only enroll in one of these sections.

**CA 080D - MS Outlook** 1.00 Units

**Grading:** L | **Advisory Level** — **Read:** 3 | **Write:** 3 | **Math:** 0

**Recommended:** Basic touch keyboarding skill of 25 net words a minute

**Transfer Status:** None | **Degree Applicable:** AS

Students will learn the features of Microsoft Outlook. Students will learn features of Microsoft Outlook. They will acquire skills to create and manage email, calendars, scheduling of appointments, as well as contacts, tasks and notes. This is a self-paced course.

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This is an online section concurrent with CA 45D, 50D, 55D, 60D, 65D, 70D, 75D, 80D. You may only enroll in one of these sections.

This is a ZTC (zero textbook cost) section. If there is a required textbook, you will be able to access it online for free or a print copy will be loaned to you. To find out more about these courses and their availability, visit the ZTC webpage: [http://www.sjcc.edu/Library/Pages/ztc.aspx](http://www.sjcc.edu/Library/Pages/ztc.aspx)
CIS 014A - Internet Principles/Protocols 3.00 Units

Grading: L  |  Advisory Level — Read: 3  |  Write: 3  |  Math: 3

Recommended: CIS 041 or CIT 010

Transfer Status: CSU  |  Degree Applicable: AA/AS

Students will study the principles and protocols of the Internet. Students learn methods used to move data from one location to another over the Internet including TCP/IP, Internet security, routing, DHCP, DNS, and VPN.

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This is an online section.

CIS 041 - Intro to Computer Info Sys 3.00 Units

Grading: L  |  Advisory Level — Read: 3  |  Write: 3  |  Math: 2

Transfer Status: CSU/UC  |  Degree Applicable: AA/AS

Students will learn basic computer concepts with an emphasis on both the personal computer and enterprise computing. Students cover topics including hardware, application and system software, the internet and World Wide Web, communications, e-commerce, societal issues, database management, systems analysis and design, programming, information systems, career opportunities, certifications in the computer field, and computer trends. Students get hands-on practice of introductory level skills in word processing, spreadsheets, database, presentation graphics, and use of the internet. Students will be exposed to a programming language.

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This is an online section.

CIS 054 - C/C++ Programming 3.00 Units

Grading: L  |  Advisory Level — Read: 3  |  Write: 3  |  Math: 2

Recommended: CIS 041

Transfer Status: CSU/UC  |  Degree Applicable: AA/AS

Students will study C, a general-purpose programming language, which features brevity of expression, modern control flow and data structures, and a rich set of operators. Students will also study C++, an object oriented programming language that is built using the C language as a base. Students will learn the importance of portability and efficiency through a variety of programming assignments. This course includes application programs and/or systems software.

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This is an online section.

CIS 068 - Admin Microsoft SQL Server 3.00 Units

Grading: L  |  Advisory Level — Read: 3  |  Write: 3  |  Math: 4

Prerequisite: CIS 017B with C or better

Transfer Status: CSU  |  Degree Applicable: AA/AS

Students acquire skills needed to install and upgrade Microsoft SQL database. Topics include database storage configuration, database backup and restore, data security, disaster recovery, data replication, high availability, and troubleshooting. Students apply effective data management and administration of SQL data environment.

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CNSTR 501 - Bldg Trades Apprenticeship 2 0.00 Units

Grading: N  |  Advisory Level — Read: 2  |  Write: 2  |  Math: 0

Transfer Status: None  |  Degree Applicable: NAA

Students interested in becoming a union construction worker increase their knowledge of apprenticeship program of the North American Building Trades Union. They will continue to learn contextualized construction math, history of labor unions, trades available, and gain awareness in workplace diversity. Students acquire skills to earn ASHI - approved adult CPR, AED and Basic First Aid certification. Field trips may be included.

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This is an online section.
**COMS 020 - Oral Communication 3.00 Units**

**Grading:** L | **Advisory Level — Read:** 3 | **Write:** 3 | **Math:**

Recommended: Prior completion of ENGL 001A is highly recommended

**Transfer Status:** CSU/UC | **Degree Applicable:** AA/AS

Students will acquire theory and technique of public speaking. Students focus on the following basic elements: rhetorical theory, researching, organizing and outlining a topic, analyzing an audience, effective use of language, ethics, effective presentation aids, critical listening, credibility, and physical delivery. Students taking this course online must be able to record and upload audiovisual files.

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**DENT 165 - Advanced Dental Assisting 1 1.00 Units**

**Grading:** L | **Advisory Level — Read:** 3 | **Write:** 3 | **Math:** 0

Prerequisite: DENT 162 with C or better, and current enrollment in the full-time Dental Assisting Program

**Transfer Status:** None | **Degree Applicable:** AS

Students will apply pit and fissure sealants on patients who have a prescription form signed by a licensed dentist. A written and practical board approved exam will be administered within the course whereupon students who successfully pass with a 75% or higher earn a certificate of completion in Pit and Fissure Sealants. Mandated by the Dental Board of California, this course is an extension of SJCC's RDA program and is not open to non-registered dental assisting students. All students must have a current CPR certificate.

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**ECON 010A - Prin. of Macroeconomic Theory 3.00 Units**

**Grading:** L | **Advisory Level — Read:** 3 | **Write:** 3 | **Math:** 2

Prerequisite: MATH 111 with P grade

**Transfer Status:** CSU/UC | **Degree Applicable:** AA/AS

Students are introduced to macroeconomic theory, including the principles of supply and demand, the market and banking systems. They will examine the forces affecting the national economy such as money and credit, income, employment, prices, and monetary and fiscal policies. They will study economic fluctuations including changes in aggregate demand, aggregate supply, employment, inflation, interest rates, and the international value of the dollar to output.

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This is an online section.
There will be an optional in-person orientation Thursday January 3rd, 3-4pm in room B102.

**ECON 010B - Intro to Microeconomic Theory 3.00 Units**

**Grading:** L | **Advisory Level — Read:** 3 | **Write:** 3 | **Math:** 0

Prerequisite: MATH 111 with P grade

**Transfer Status:** CSU/UC | **Degree Applicable:** AA/AS

Students are introduced to microeconomic theory including economic behavior of individual economic units such as consumers, firms, and resource owners. They will examine the market system as a means of solving problems in the production and distribution of goods and services in a society. Students analyze the effectiveness of the price system in providing the society with an equitable distribution of goods, services, and income. They will also study microeconomic problems such as monopoly power of big business and big unions, government regulations and consumer protection, the energy crisis, taxes, and welfare.

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This is an online section.
There will be an optional in-person orientation Thursday January 3rd, 3-4pm in room B102.
**ENGL 001A - English Composition  3.00 Units**

**Grading:** L | **Advisory Level — Read:** 0 | **Write:** 0 | **Math:**

Prerequisite: Continuing students must complete ((ENGL 104 or ENGL 092) and (ENGL 102 or READ 101)) or ESL 091; all with C or better. New students will be placed based on the results of assessment.

**Transfer Status:** CSU/UC | **Degree Applicable:** AA/AS

Students will learn the skills necessary for writing college level compositions. Students learn expository writing, critical reading, and research techniques. Students will also learn to write academic essays including a documented research paper in conventional format using MLA style. English 001A is the first transfer level English course.

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This is an online section.

**ENGL 001B - English Composition  3.00 Units**

**Grading:** L | **Advisory Level — Read:** 0 | **Write:** 0 | **Math:**

Prerequisite: ENGL 001A with C or better

**Transfer Status:** CSU/UC | **Degree Applicable:** AA/AS

English 001B is a second semester college composition course. Students will study expository and argumentative writing directed toward an analysis of ideas and concepts from a wide variety of literature. Students will read fiction, drama, poetry, and essays critically reading in these genres for the purpose of writing.

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**ENGL 001C - Critical Thinking/Composition  3.00 Units**

**Grading:** L | **Advisory Level — Read:** 0 | **Write:** 0 | **Math:**

Prerequisite: ENGL 001A with C or better

**Transfer Status:** CSU/UC | **Degree Applicable:** AA/AS

Students will learn to identify the basic structures of arguments and the ways people use language to fortify or to falsify arguments. This course presents the techniques of critical reasoning and advanced composition. Students will analyze and demonstrate these techniques by writing and critiquing essays. This course is specifically designed to meet the IGETC critical thinking requirement.

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**ETH 027 - Intro to Race & Ethnicity  3.00 Units**

**Grading:** L | **Advisory Level — Read:** 3 | **Write:** 3 | **Math:** 0

**Transfer Status:** CSU/UC | **Degree Applicable:** AA/AS

Students will critically explore the phenomena of race and ethnicity in the history of the United States. Examining the socio-political realities of power, students analyze the processes by which racial stratification occur. Particular emphasis is placed on the socio-historical experiences of major, subordinate ethnic groups in America --African Americans, Mexican Americans, Asian Americans, and Native Americans. Students critically analyze major theoretical approaches to understanding the circumstances that have shaped present race relations in America and various Ethnic Studies paradigms.

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**ETH 037A - Mexican American History I  3.00 Units**

**Grading:** L | **Advisory Level — Read:** 3 | **Write:** 3 | **Math:** 0

**Transfer Status:** CSU | **Degree Applicable:** AA/AS

Students will survey the social, political, economic, and cultural history of the Mexican American experience within the context of U.S. history from the pre-Columbian era to Reconstruction. Students will also critically analyze the roles and contributions that Mexican Americans have played in the development of the United States with comparisons to other groups. ETH 037A, along with ETH 037B, satisfies the District requirements in U.S. History, Constitution and American Ideals requirement.
**ETH 037B - Mexican American History II  3.00 Units**

**Grading:** L | **Advisory Level** — Read: 3 | Write: 3 | Math: 0

**Transfer Status:** CSU | Degree Applicable: AA/AS

Students will survey the social, political, economic, and cultural history of the Mexican American experience within the context of U.S. history from Reconstruction to the present. Students will also analyze roles and contributions that Mexican Americans have played in the development of the United States and California, and with comparisons to other groups. ETH 037B, along with ETH 037A, satisfies the District requirements in U.S. History, Constitution and American Ideals requirement.

**HIST 001 - Survey of American History  3.00 Units**

**Grading:** L | **Advisory Level** — Read: 3 | Write: 3 | Math:

**Transfer Status:** CSU/UC | Degree Applicable: AA/AS

Students are provided a broad approach to the social, constitutional, economic and political history of the U.S. with emphasis upon key events, issues and their backgrounds. HIST 001, along with POLSC 001, satisfies the District requirements in U.S. History and Constitution, and in state and local government.

**HIST 017A - History of the United States 3.00 Units**

**Grading:** L | **Advisory Level** — Read: 3 | Write: 3 | Math:

**Transfer Status:** CSU/UC | Degree Applicable: AA/AS

This course is a survey of the history of the United States which, with History 017B, satisfies the requirement in United States History, Constitution and American Ideals. History 017A or History 017B may not be combined with History 001 to meet the requirement in United States History, Constitution and American Ideals.

**HIST 017B - History of the United States 3.00 Units**

**Grading:** L | **Advisory Level** — Read: 3 | Write: 3 | Math:

**Transfer Status:** CSU/UC | Degree Applicable: AA/AS

Students examine the history of the United States from Reconstruction to the present. Along with History 017A, History 017B satisfies the requirement in United States History, Constitution and American Ideals. History 001 may not be combined with either History 017A or History 017B to meet the requirement in United States History, Constitution and American Ideals.

**IRON 110 - Mixed Base  1.50 Units**

**Grading:** L | **Advisory Level** — Read: 2 | Write: 2 | Math: 0

**Corequisite:** Student must be a registered Ironworker Apprentice with a participating employer

**Transfer Status:** None | Degree Applicable: NAA

Ironworker Apprentices receive an overview of the type of construction blue prints commonly used with emphasis on function and interpretation. Apprentices will review and apply basic math skills and solve typical problems relevant to the
construction trades.

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IRON 130 - Reinforcing 1.50 Units

Grading: L | Advisory Level — Read: 2 | Write: 2 | Math: 0
Corequisite: Student must be a registered Ironworker Apprentice with a participating employer
Transfer Status: None | Degree Applicable: AS
Ironworker Apprentices are introduced to standard codes, code classifications, plans, schedules, charts, and specifications commonly used by the iron worker. Topics include construction techniques used in reinforcing concrete members with steel, use of bar supports, placement of reinforcing iron, and general principles of bar splicing and welding. Post tensioning and pre-stressing techniques are also introduced.

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IRON 131 - Post-Tensioning 1.50 Units

Grading: L | Advisory Level — Read: 2 | Write: 2 | Math: 0
Prerequisite: IRON-130 with a C or better
Corequisite: IRON-131, Student must be a registered Ironworker Apprentice with a participating employer.
Transfer Status: None | Degree Applicable: AS
Ironworker Apprentices will receive knowledge and training pertaining to post-tensioning systems used in concrete construction structures. Students will receive additional knowledge of system components, safety practices, tools and equipment.

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IRON 140 - Precast and Metal Buildings 1.50 Units

Grading: L | Advisory Level — Read: 2 | Write: 2 | Math: 0
Corequisite: Student must be a registered Ironworker Apprentice with a participating employer
Transfer Status: None | Degree Applicable: NAA
Ironworker Apprentices are introduced to the erection of precast concrete and metal buildings. Topics include rigging, handling, and installing these in a safe and economical manner. Reading and interpreting charts, tables, and blueprints will also be covered.

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IRON 150 - Welding I 1.50 Units

Grading: L | Advisory Level — Read: 2 | Write: 2 | Math: 0
Corequisite: Student must be a registered Ironworker Apprentice with a participating employer
Transfer Status: None | Degree Applicable: NAA
Ironworker Apprentices are introduced to the structure of ferrous metals and their reaction to heat. They will acquire knowledge of the equipment and materials employed in the use of shielded metal-arc, gas shielded-arc, and oxy-acetylene welding.

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IRON 151 - Welding II 1.50 Units

Grading: L | Advisory Level — Read: 2 | Write: 2 | Math: 0
Prerequisite: IRON 150 with C or better
Corequisite: Student must be a registered Ironworker Apprentice with a participating employer
Ironworker Apprentices continue the study of ferrous metals and their reactions to heat. They will expand their knowledge of equipment and materials employed in the use of shielded metal-arc and gas shielded-arc.

**Reg ID** | **Sec** | **Type** | **Days** | **Time** | **Date** | **Room** | **Instructor**
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95584 | 101 | Lec | MTWTHF | 06:30 AM—09:45 AM | 01/14/19—01/18/19 | OFC |  
101 | Lab | MTWTHF | 09:55 AM—02:45 PM | 01/14/19—01/18/19 | OFC |  

**IRON 152 - Welding III 1.50 Units**

**Grading:** L | **Advisory Level — Read:** 2 | **Write:** 2 | **Math:** 0

Prerequisite: IRON 151 with C or better

Corequisite: Student must be a registered Ironworker Apprentice with a participating employer

Transfer Status: None | Degree Applicable: NAA

Ironworker Apprentices focus on advanced skill development in shielded metal arc and gas shielded arc welding on ferrous and non-ferrous metals. Topics include vertical and overhead positions on all types of joints as they relate to structural stability.

**Reg ID** | **Sec** | **Type** | **Days** | **Time** | **Date** | **Room** | **Instructor**
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95585 | 101 | Lec | MTWTHF | 06:30 AM—09:45 AM | 01/21/19—01/25/19 | 207 |  
101 | Lab | MTWTHF | 09:55 AM—02:45 PM | 01/21/19—01/25/19 | 207 |  

**IRON 160 - Lead Hazard/Scaffold/First Aid 1.50 Units**

**Grading:** L | **Advisory Level — Read:** 2 | **Write:** 2 | **Math:** 0

Corequisite: Student must be a registered Ironworker Apprentice with a participating employer

Transfer Status: None | Degree Applicable: NAA

Ironworker Apprentices are introduced to the health effects caused by lead exposure, scaffold safety, and first aid. Topics include OSHA regulations for lead handling, sampling methods for lead, legal rights of workers pertaining to safety standards, and the use of proper protective equipment and work methods. First aid and CPR methods will also be covered. Apprentices will be prepared to take First Aid and CPR certification tests upon completion of this course.

**Reg ID** | **Sec** | **Type** | **Days** | **Time** | **Date** | **Room** | **Instructor**
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**IRON 170 - Structural I 1.50 Units**

**Grading:** L | **Advisory Level — Read:** 2 | **Write:** 2 | **Math:** 0

Corequisite: Student must be a registered Ironworker Apprentice with a participating employer

Transfer Status: None | Degree Applicable: NAA

Ironworker Apprentices study the theory and practice of blueprint reading, structural erection procedures, and proper steel structure construction.

**Reg ID** | **Sec** | **Type** | **Days** | **Time** | **Date** | **Room** | **Instructor**
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**IRON 180 - Architectural I 1.50 Units**

**Grading:** L | **Advisory Level — Read:** 2 | **Write:** 2 | **Math:** 0

Corequisite: Student must be a registered Ironworker Apprentice with a participating employer

Transfer Status: None | Degree Applicable: NAA

Ironworker Apprentices are introduced to architectural and ornamental iron working. Apprentices are provided detailed knowledge of the procedures and practices employed by the ironworker in architectural and ornamental iron working. Tools, anchors, fasteners, various layout instruments, and construction of curtain walls will also be covered.

**Reg ID** | **Sec** | **Type** | **Days** | **Time** | **Date** | **Room** | **Instructor**
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95589 | 101 | Lec | MTWTHF | 06:30 AM—09:45 AM | 01/14/19—01/18/19 | 207 |  
101 | Lab | MTWTHF | 09:55 AM—02:45 PM | 01/14/19—01/18/19 | 207 |  

**IRON 181 - Architectural 2 1.50 Units**

**Grading:** L | **Advisory Level — Read:** 2 | **Write:** 2 | **Math:** 0

Prerequisite: IRON-181 with C or better

Corequisite: Student must be a registered Ironworker member with a participating employer.

Transfer Status: None | Degree Applicable: NAA

The Ironworker apprentice continue to improve their skills in architectural and ornamental construction. They will install revolving doors, rolling service doors, stairs and ladders, catwalks and grating, fencing and guard rails, detention systems,
space frames, and miscellaneous and ornamental steel. They will also learn the basics of lasers, theodolites and transits and the total station. Apprentices will gain knowledge and skills using different types of anchors and fasteners. Student must be a registered Ironworker Apprentice with a participating employer.

**Ironworker Apprenticeship**

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**IRON 195 - Foreman/History/Qualfd Rigger_2.50 Units**

**Grading:** L  |  Advisory Level — Read: 2 | Write: 2 | Math: 0

Corequisite: Student must be a registered Ironworker member with a participating employer.

Transfer Status: None | Degree Applicable: NAA

Ironworker apprentices will gain knowledge of the roles and responsibilities of the foreman, history of the Ironworkers union, and training as a qualified rigger. They will learn how to create an effective work team, communicate effectively, apply problem-solving skills, document and maintain records, plan and schedule work, implement a safety program, and ensure the quality of work. The formation of the union and historical events will be presented along with the skills required as a qualified rigger. Upon completion of the course the students will qualify for the rigger certification. Students must be a registered Ironworker member with a participating employer.

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**JAPAN 098 - Directed Study_1.00 Units**

**Grading:** O  |  Advisory Level — Read: 4 | Write: 4 | Math: 0

Prerequisite: JAPAN 001A or GEOG 011 or GEOG 012 or GLOBL 001 or GLOBL 002 or ANTH 062 or ANTH 063 or HIST 011B or PHIL 051 or PHIL 070

Transfer Status: CSU | Degree Applicable: NAA

Individual or small groups of students who would benefit from Independent Study under the direction of faculty members in specific or related disciplines may develop individualized learning contracts designed to enhance their individual instructional programs. The students and the faculty member will develop appropriate learning outcomes and activities. The number of units to be earned will be determined by the faculty and Division Dean.

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**KIN 005 - Intro to Kinesiology_3.00 Units**

**Grading:** L  |  Advisory Level — Read: 3 | Write: 3 | Math: 0

Transfer Status: CSU | Degree Applicable: AA/AS

Students will be introduced to various subdisciplines related to Kinesiology, the study of human movement. Students will examine the areas of history, sociology, biomechanics, physiology, and psychology, as they relate to the sport and exercise environment. In addition, students will explore three career pathways involving the study of human movement: teaching, research, and professional practice.

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**KINA 011 - Intercollegiate Sport Training_1.00 Units**

**Grading:** L  |  Advisory Level — Read: 3 | Write: 3 | Math: 0

Recommended: Students should possess intercollegiate athletic skills as determined by coaching staff to remain enrolled in this course

Transfer Status: CSU/UC | Degree Applicable: AA/AS

This course is designed to prepare the intercollegiate student athlete for the competitive season and reduce the risk of injury. The course includes intercollegiate-level sport-specific skills, drills, conditioning, team organization, play, and evaluation and is designed to prepare student athletes both physically and mentally for competition. It may be repeated to meet requirements for California Community College Athletic Association (CCCAA) eligibility.

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**KINA 057 - Cross-Train Intercoll Athlete_1.00 Units**

**Grading:** L  |  Advisory Level — Read: 3 | Write: 3 | Math: 0

Transfer Status: CSU/UC | Degree Applicable: AA/AS

This course is designed to prepare the intercollegiate athlete for the competitive season. Cross-training will include muscular
strength and endurance, cardiovascular endurance, and flexibility. It may be repeated to meet the requirements of the California Community College Athletic Association (CCCAA) eligibility.

**KINPE 056 - Beginning Weight Training 1.00 Units**

*Grading: L | Advisory Level — Read: 3 | Write: 3 | Math: 0*

*Transfer Status: CSU/UC | Degree Applicable: AA/AS*

Students are introduced to basic weight training techniques in order to develop muscular strength and fitness. Students will learn and execute various weight lifting techniques and weight resistance exercises. In addition, students will perform cardio and core workouts.

**KINPE 056B - Intermediate Weight Training 1.00 Units**

*Grading: L | Advisory Level — Read: | Write: | Math:*

*Transfer Status: CSU/UC | Degree Applicable: AA/AS*

Students develop intermediate weight lifting techniques. Emphasis will be on progressive weight resistance exercises, form and technique, safety, and specialized muscle development.

**MATH 062 - Calculus for Busi & Soc Sci 3.00 Units**

*Grading: L | Advisory Level — Read: 3 | Write: 3 | Math:*

Prerequisite: MATH 021 or MATH 025, with C or better

*Transfer Status: CSU/UC | Degree Applicable: AA/AS*

This course presents single variable calculus and an introduction to multivariable calculus and their applications for business and social science students. Students study functions and graphs, limits, continuity, differentiation and integral calculus of polynomials, rational functions, power functions, exponential functions, logarithmic and natural logarithmic functions, partial differentiation, and applications of these topics in business and social science.

**MATH 063 - Elementary Statistics 3.00 Units**

*Grading: L | Advisory Level — Read: 3 | Write: 3 | Math: 0*

Prerequisite: MATH 013 with C or better

*Transfer Status: CSU/UC | Degree Applicable: AA/AS*

Students are introduced to the study of statistics. Students will learn methods of displaying data, descriptive statistics, basic concepts of probability theory, random variables, common statistical distributions, estimates and sample size, hypothesis testing, goodness-of-fit test, contingency table analysis, tests of two independent population parameters, Chi-square, ANOVA, and regression and correlation. Students will apply basic statistical concepts to data from education, business, social sciences, and natural sciences. To aid in the analysis of data, the use of computational technology will be required.

**OCEAN 010 - Oceanography 3.00 Units**

*Grading: L | Advisory Level — Read: 3 | Write: 3 | Math: 2*

*Transfer Status: CSU/UC | Degree Applicable: AA/AS*

Students will study the ocean environment covering the geological, physical, chemical, and biological aspects of the sea. Students will explore the relationship of these processes to each other and to overarching oceanographic concepts, such as plate tectonics, ocean circulation, and the water cycle. A major focus will include the impact these processes have on civilization. The scientific method is illustrated as it relates to analyzing oceanographic problems.

**PHIL 010 - Introduction to Philosophy 3.00 Units**

*Grading: L | Advisory Level — Read: 3 | Write: 3 | Math:*

*Transfer Status: CSU/UC | Degree Applicable: AA/AS*

Students are introduced to the philosophical history and disciplines of metaphysics and epistemology from Socrates to Wittgenstein. They will examine the ideas and methods of Western philosophy concerning knowledge, reality, and values.
Topics include the sources and limits of knowledge and the nature of reality. Other topics that will be examined from a philosophical perspective include the nature of the self, truth, ethics, religion, science, language, beauty and art, and political theory.

### POLSC 001 - Politics and Govt in America  3.00 Units

**Grading:** L  |  **Advisory Level** — Read: 3  |  Write: 3  |  Math: 

**Transfer Status:** CSU/UC  |  Degree Applicable: AA/AS

Students are introduced to national, California, and local governments and politics with an emphasis on the U.S. Constitution and the national government. Students will examine the historical origins of the development of the U.S. Constitution and the philosophy and principles used by the framers in the late 18th century. POLSC 001, along with HIST 001 or HIST-009 or HIST-021 or HIST-024 satisfies the District requirements in the study of U.S. Constitution, California, and local governments.

### PSYCH 010 - General Psychology  3.00 Units

**Grading:** L  |  **Advisory Level** — Read: 3  |  Write: 3  |  Math: 

**Transfer Status:** CSU/UC  |  Degree Applicable: AA/AS

Students are introduced to the major theories, areas of study, and methodologies of contemporary psychology and the scientific study of human behavior. Topics addressed include biological and neurological processes and structure, genetics, life span development, consciousness, sensory processes, perception, learning, memory, language and thought, intelligence, motivation and emotion, stress, personality, psychopathology, and psychotherapy.

### PSYCH 092 - Developmental Psychology  3.00 Units

**Grading:** L  |  **Advisory Level** — Read: 3  |  Write: 3  |  Math: 0

**Transfer Status:** CSU/UC  |  Degree Applicable: AA/AS

Students are introduced to developmental psychology. Human development is traced from conception through death. Students will study the biological, cognitive, emotional, and social factors affecting development and the interaction of these factors throughout the lifespan. Social contexts that influence the course of development such as culture, socioeconomic status, and historical time and place will be examined. Developmental tasks and potential developmental crises are identified for each of the age groups.

### PSYCH 100 - Human Sexuality  3.00 Units

**Grading:** L  |  **Advisory Level** — Read: 3  |  Write: 3  |  Math: 0

**Transfer Status:** CSU/UC  |  Degree Applicable: AA/AS

Students will study scientific information on human sexual functioning. Topics will include current research findings related to sexual behavior, social learning of sexual roles, anatomy and physiology of sexual response, social-cultural influence pertaining to sexual behavior, sexual adjustment and maladjustment. The course will also include topics covering sexual orientations, and, legal and political aspects of sexual behavior.

### SOC 010 - Introduction to Sociology  3.00 Units

**Grading:** L  |  **Advisory Level** — Read: 3  |  Write: 3  |  Math: 

**Transfer Status:** CSU/UC  |  Degree Applicable: AA/AS
Students use a sociological approach in the study of human behavior that includes a variety of perspectives. Students explore important concepts and principles in sociology, including culture, social structure, socialization, social institutions, groups, social interaction, social inequality, collective behavior, and social change in human societies.

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This is a ZTC (zero textbook cost) section. If there is a required textbook, you will be able to access it online for free or a print copy will be loaned to you. To find out more about these courses and their availability, visit the ZTC webpage: [http://www.sjcc.edu/Library/Pages/ztc.aspx](http://www.sjcc.edu/Library/Pages/ztc.aspx)

**SOC 011 - Social Problems 3.00 Units**

**Grading:** L | **Advisory Level** — Read: 3 | Write: 3 | Math:

**Transfer Status:** CSU/UC | **Degree Applicable:** AA/AS

Students explore sociological perspectives on contemporary social problems in the United States. Students examine the social processes through which issues come to be viewed as social problems and the dynamics through which groups attempt to respond to and solve these problems.

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