2017-2018 Catalog Addendum

This catalog addendum reflects updates and corrections to the 2017-2018 catalog.
New and modified program and courses are effective Spring 2018.
The complete catalog covers Summer semester (June-July 2017);
Fall semester (August-December 2017); and Spring semester (January-May 2018).
Catalog Revised 11/2017

www.solano.edu

A public community college serving the Northern California communities
of Benicia, Dixon, Fairfield, Suisun, Travis Air Force Base,
Vacaville, Vallejo, and Winters

Solano Community College Fairfield Campus
4000 Suisun Valley Road, Fairfield, CA 94534-3197
(707) 864-7000

Vacaville Center
2001 North Village Parkway, Vacaville, CA 95688
(707) 863-7836

Vallejo Center
545 Columbus Parkway, Vallejo, CA 94591
(707) 642-8188

Travis Air Force Base Center
530 Hickam Ave., Bldg. 249, Travis Air Force Base, CA 94535
(707) 424-2431

Accreditation and Approvals

- Solano Community College is accredited by the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges, 10 Commercial Blvd., Suite 204, Novato, California 94949, (415) 506-0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. Additional information about accreditation, including the filing of complaints against member institutions, can be found at: www.accjc.org.

- The Nursing program is approved by the California State Board of Registered Nursing.

- The Cosmetology program is approved by the California State Board of Barbering and Cosmetology.

- The Aeronautics program is certified by the Federal Aviation Administration (FAA) in accordance with CFR14, FAR Part 147.

- Solano Community College is approved for veterans training by the U.S. Department of State and for Foreign Student Education by the U.S. Immigration Service (USCIS).

Campus Information

OFF-CAMPUS CLASSES
Classes are offered at three off-campus centers and other locations throughout Solano County.

Parking permit required at the centers listed below.

Vacaville Center (VVCTR)*
2001 N. Village Parkway, Vacaville
Counseling services available

Vallejo Center (VJOCTR)*
545 Columbus Parkway, Vallejo
Counseling services available

Travis Air Force Base (FFTAFB)*
Travis University Center
530 Hickman Ave, Bldg 249. Travis AFB
Counseling services available. Please visit SCC web site for TAFB security requirements prior to registering for classes. Students must be enrolled in classes at TAFB in order to receive SCC services on Base.

Other Locations
Vallejo Automotive Technology (VJAUTO)
1687 North Ascot Parkway, Vallejo

Nut Tree Airport (Aeronautics) (VVNUT)
275 County Airport Road, Vacaville

Various high school locations throughout the region, California State Prison (CSPS) and California Correctional Medical Facilty (CMF), Vacaville
(Classes at CSPS and CMF are currently not open to the general public)

For specific locations and times, registration, and other information, please see the Schedule of Classes at the SCC website www.solano.edu or contact the Office of Admissions at (707) 864-7171.

Admissions and Registration

Students are responsible for officially dropping their courses before established deadlines. Nonattendance or non-payment of fees will not remove you from a course nor alleviate your responsibility to pay fees.

Students who do not officially drop courses may receive an "F" for the term and incur a student debt. Students should drop courses online.

FEES

Fees are due and payable at the time of registration. All debts to the College must be cleared before students may register for classes.

NON-RESIDENT TUITION

Non-residents (out-of-state and international students) must pay tuition fees at the time of registration. At the time of publication of this catalog, fees are $227.00 per unit. All non-resident students are also required to pay a $46.00 per unit enrollment fee and a $5.00 per unit nonresidential capital outlay fee. Fees are subject to change.

GENERAL ENROLLMENT FEES AND OTHER COSTS

- Enrollment fee: $46 per unit.* There is no enrollment fee for noncredit classes. Students taking upper division courses for the Bachelor's Degree in Biomanufacturing will be assessed an additional $84 per unit.

- Parking permits are required for students parking their vehicles at the Fairfield campus, Vallejo and Vacaville Centers - $20 fee per vehicle.

- Student transcript fee: $4.00; Rush service $7.50; $1.00 unofficial transcript.

- Student on-campus enrollment verification fee: $1.00; Verification service through the National Student Clearinghouse: Visit the Clearing House web site for current fees.

- Student photo ID for on-campus students: $5.00 (good for nine consecutive semesters when validated).

- Student Center fee: $1 per unit, up to a maximum of $10 per student fiscal year (July 1-June 30).

- Library fines: See website for fees.

- Parking citations: $20 (for regular parking citations); $275 (for handicapped parking citations).

- Transportation Fee: $10 per semester for students enrolling in 12 or more units; $8 for 6.5-11.5 units; $4 for 3.5-6 units; $1.50 for 0.5-3 untis.

- Instructional and required materials fees: See the Schedule of Classes.

- Health fee: Fall/Spring-$13.00; Summer-$5.00**

** The State of California has mandated this fee for credit courses through Section 72252 of the California State Education Code. The fee is not applicable to students who can demonstrate, at the time of enrollment, that they are recipients of benefits under the CalWORKS program, the Supplemental Security Income/State Supplementary program, or the General Assistance program. Fee waiver forms may be obtained from the Financial Aid Office. The enrollment fee is subject to change by the State Legislature.

Refer to Financial Aid Programs & Eligibility BOG fee Waiver (BOG FW) information.

APPLYING FOR REFUNDS

Classes dropped by appropriate deadlines are automatically refunded. Any outstanding debts are deducted from refunds. Fees are refunded by check 2-4 weeks after classes are dropped.

CALIFORNIA COMMUNITY COLLEGES ENROLLMENT AND NON-RESIDENT TUITION FEE

Fall and Spring Semesters - Full Term Classes
Through refund deadline, 100% of the California Community College Enrollment Fee will be refunded.

Summer Session and Short-Term Courses
Through 10% of the course, 100% of the California Community College Enrollment Fee will be refunded.

HEALTH AND STUDENT CENTER FEES

The Health and Student Center fees are only refundable if all classes are dropped prior to the beginning of the semester.

Since the provision of health services is very expensive and the California Community College system does not have sufficient funds to subsidize student health services, the State Legislature mandates that the burden of supporting a student health center will be shared by all Solano Community College students through a general fee, regardless of whether they utilize the health center or have their own insurance.

The following students are exempt from paying the mandatory health fee:

(1) Students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization.

*Fees Subject to change.

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Academic Regulations

Progress Probation

A. Placement on Progress Probation
A student shall be placed on progress probation for the following reason:
1. A student has attempted at least 12 total semester units and received transcript entries of "W", "I", or "NP" representing 50% or more of all units attempted.

B. Removal from Progress Probation
1. A student will be removed from progress probation when the student has received transcript entries of "W", "I", or "NP" for less than 50% of all units attempted.

Dismissal

Dismissal prohibits the student from enrolling until one primary semester has passed and the student has met with a counselor and/or attended a probation/ dismissal workshop.

A. Placement on Dismissal
A student will be dismissed for one or more of the following reasons:
1. A student achieves a cumulative GPA of less than 2.0 for three consecutive primary semesters.
2. A student receives 50% or more of transcript entries as "W", "I", of "NP" for three consecutive, primary semesters.

B. Removal from Dismissal
A student will be removed from Dismissal for any of the following reasons:
1. A student's cumulative GPA is 2.0 or better and a Student's transcript entries of "W", "I", or "NP" are less than 50% of all units attempted.
2. Satisfactory Progress After Dismissal: A student who meets the requirements for readmissions after dismissal and achieves a semester GPA of 2.25 or greater, but does not have an overall cumulative GPA of 2.0 or greater, shall remain on academic probation until the cumulative GPA is 2.0 or better. (This condition only overrides A.1. above.)

If semester GPA falls below 2.25 and/or student qualifies for Progress Probation, student will be academically and/ or progress dismissed.

Appeals
Students who are dismissed may file an appeal to contest the requirement of sitting out a primary semester with the Vice President, Student Services, or designee if extenuating circumstances exist which caused the substandard grades. To appeal, students complete the Readmit After Dismissal petition and indicate on it that they are appealing the requirement of sitting out a primary semester.

ACADEMIC RENEWAL WITHOUT COURSE REPETITION- STUDENT SERVICES PROCEDURES 5110
Pursuant to regulations established by the Board of Governors of the California Community Colleges (Title 5, Section 55764), students may, under the provisions outlined below, petition for the elimination of past substandard coursework (D, F, or NP) in the calculation of the student's grade point average (GPA). Academic renewal, however, is not an exception that permits additional repetitions of a course. Students may repeat a credit course only if allowed by another provision of section 55040et.seq.

1. Coursework eligible for consideration under this regulation shall be:
   a) No more than thirty (30) units;
   b) Clearly sub-standard coursework, defined as those courses in which the student earned grades of D, F or No Pass; courses with non-evaluative grades are not eligible for renewal;
   c) Courses taken at Solano Community College and
   d) Courses taken three or more semesters (not including summer session) prior to petitioning.
2. Students are not eligible for relief under the academic renewal policy until they have:
   a) Completed at least fifteen (15) units, with a grade of "C" or better at a regionally accredited post-secondary institution subsequent to the coursework to be alleviated;
   b) Met the three semester (not including summer session) time requirements; and
   c) Filed an Academic Renewal Petition with the Office of Admissions and Records.
3. Courses eliminated under this procedure may not be applied toward any degree or certificate requirement. Academic renewal actions are irreversible.
4. If the request is approved, the student's academic record will be annotated to reflect the change, but all work will remain legible.
5. Solano Community College may honor the Academic Renewal Policy of other regionally accredited institutions in disregarding previous academic work.
6. Students should understand that other colleges may not honor the Academic Renewal Regulations of Solano Community College.

General Education
Option A   2017-2018

In using this option to complete the Solano College general education (GE) requirement, students should note:

1. Students must complete at least 21 units with a minimum of 3 units from each Area A, B1, C, D1, D3 and E, as well as the local District Health and Kinesiology requirement.
2. After meeting the minimum units required for each area, a student may select remaining units from all courses listed under the above areas or from Area B2 or D4. If two courses are selected from the same GE area, they must have a different course prefix for both to be used in satisfying GE requirements. Exceptions: English and Mathematics.
3. See Area D2 below for options to satisfy the Reading requirement.
4. Courses with the same prefix as the student's major may not be used to fulfill general education requirements. Exceptions: ENGL 001 (Area D1), ENGL 062 (Area D2) and Mathematics (Area D2).
5. Courses used to satisfy the English (Area D1), Reading (Area D2) and Mathematics (Area D2) requirements must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis.

21 GE Units (from this sheet) **+_____ Major Units** (see SCC Degrees/Certificates) **+___ Electives** (any class 001-199) **= 60 Units for AA/AS**

AREA A – Natural Science			
(minimum of 3 units)			
	C	IP	P

Physical Science
    ASTR 010, 030, 040 ; **CHEM** 001, 002, 003, 004, 010, 011, 012, 051, 160; **ENGR** 030;
    GEOG 001; **GEOL** 001, 005 ; **PHSC** 012 ; **PHYS** 002, 004, 006, 007, 008, 010
    Course from another college_____ AP Exam _____			

Biological Science
    ANTH 001, 001L; **BIO** 002, 003, 004, 005, 012, 014, 015, 016, 018, 019, 020, 025
    Course from another college_____ AP Exam _____			

Other courses that may be used to satisfy this requirement: **HORT** 050; **NUTR** 010			
AREA B – Social and Behavioral Studies			
(minimum of 3 units from Area B1)			
	C	IP	P
B1. **HIST** 017, 018, 028, 029, 037*; **IR** 001; **PLSC** 001, 004, 005*; **SOC** 002 Course from another college_____ AP Exam _____			

B2. **The following courses do not fulfill the Area B requirement, but may be used if additional units are needed to meet the minimum 21 unit GE requirement**
    ANTH 002, 007; **CDFS** 038, 040, 050, 053*, 054, 070; **COUN** 005, 015/055, 023/083, 058, **CJ** 001; **ECON** 001, 002; **GEOG** 002, 004, 006; **HIST** 010, 025 , 030, 031; **JOUR** 011; **LR** 010, 012;
    PLSC 002, 003, 006, 016, 019; 048 G **PSYC** 001, 002, 004, 005, 010, 020, 024, 030; **SOC** 001, 023;
    SOCS 022*, 023, 025, 027, 028, 030
    Course from another college_____AP Exam _____			

C = Completed; IP = In Progress; P = Planned; (L) Lab course; * May be used in only one area
+ Indicates that transfer credit may be limited by either UC or CSU or both; Consult a counselor for details

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AREA C – Humanities			
(minimum of 3 units)			
	C	IP	P
ART 001, 002, 003A/B, 010, 011, 012*, 030B; **ASL** 046, 047; **CINA** 010, 011*; **COMM** 015; **ENGL** 002, 018, 021, 023, 024, 030, 031, 034, 040, 041, 044, 058; **FREN** 001, 002, 003, 004, 011, 031, 032, 033, 034; **HIST** 002, 003, 004, 005; **HUMN** 001, 002, 003*; **MUSC** 005, 007, 008, 009, 010, 011, 013*, 014, 015, 017, 020, 021, 024, 025, 026; **PHIL** 003, 004, 005; **PHOT** 035; **SPAN** 001, 002, 003, 004, 031, 032, 033, 034; **THEA** 006, 010, 011, 013*; **TV** 050 Course from another college_____AP Exam_____			

AREA D – Language and Rationality			
(minimum of 6 units)			
All three sections (D1, D2, & D3) must be satisfied including one course selected from D1 and D3 below			
	C	IP	P
D1. Writing **ENGL** 001 (course must be completed with a minimum grade of C or P if taken on a Pass/No Pass basis). Course from another college_____AP Exam_____			

D2. Quantitative and Analytical Thinking
This requirement may be satisfied by any **one** of the options listed below.
Courses used to fulfill this requirement must be completed with a minimum grade of C or a P if taken on a Pass/No Pass basis.
    a. A minimum of three units of an Intermediate Algebra level math course.
        MATH 104, 112, 114
    b. A minimum of three units of a transfer level math course.
        MATH 002, 004, 011, 012, 020, 021, 022, 023, 030, 031, 040, 051
        Course from another college_____ AP Exam _____			

D3. The following courses do not fulfill the Area D requirement, but may be used if additional units are needed to meet the minimum 21 unit GE requirement. **COMM** 001, 002, 006, 010, 060; **CIS** 001, 020, 023; **ENGL** 004; **LR** 010; **PHIL** 001			

AREA E – Cross- Cultural Studies			
(Minimum of 3 units)			
	C	IP	P
ART 012*; **CDFS** 053*; **CINA** 011*; **COMM** 012 ; **COUN** 015*; **ENGL** 012*, 036; **HIST** 037*; **HUMN** 003*; **MUSC** 013*; **PLSC** 005*; **PSYC** 007; **THEA** 013*; **SOCS** 022*			

Local District Requirements – Health and Physical Education			
Choose one of the following:	C	IP	P
a. Two **KINE** activity courses **b.** Two **ATHL** Intercollegiate sport courses **c.** One **KINE** activity course and one **ATHL** Intercollegiate sport course **d.** One of the following: **HED** 002, 003; **KINE** 020A, 020V, 020W, 057; **DD214** (military experience)			

C = Completed; IP = In Progress; P = Planned; (L) Lab course; * May be used in only one area
+ Indicates that transfer credit may be limited by either UC or CSU or both; Consult a counselor for details

The Intersegmental General Education Transfer Curriculum (IGETC) is a pattern of courses that allows community college transfer students to fulfill lower-division general education requirements either at the UC or the CSU system. The IGETC pattern is most useful for students who want to keep their options open before making a final decision about transferring to a particular UC or CSU campus. Completion of IGETC does not guarantee admission, nor is it generally required for admission. IGETC is not appropriate for some majors. Students should request certification from Admission and Records prior to transfer. Please see a counselor for additional information and guidance.

Note: All courses used for IGETC must be completed with a minimum grade of C and must be IGETC approved at the time the course is completed.

___ **GE Units** (this sheet) **+**_____ **Major Units** (see www.assist.org) **+**____ **Elective** (classes 001-049 UC, classes 001-099 CSU) **= 60 Units req.**

AREA 1 – English Composition			
CSU – 3 courses required one each from 1A, 1B, and 1C. UC – 2 courses required, one each from 1A and 1B			
	C	IP	P
1A. English Composition (1 course, 3 semester/4-5 quarter units) **ENGL** 001 Course from another college_____AP Exam _____			
1B. Critical Thinking – English Composition (1 course, 3 semester/4-5 quarter units) **ENGL** 002, 004; **PHIL** 005 Course from another college_____			
1C. Oral Communication (CSU Requirement Only) **COMM** 001, 002, 006 Course from another college_____AP Exam _____			

AREA 2 – Mathematical Concepts and Quantitative Reasoning			
1 course, 3 semester/ 4-5 quarter units			
	C	IP	P
MATH 002+, 004+, 011, 012, 020+, 021+, 022, 023, 030+, 031+, 040 Course from another college_____ AP Exam _____			

AREA 3 – Arts and Humanities			
At least 3 courses, with at least one course from the Arts and one course from the Humanities. **9 semester / 12-15 quarter units**			
	C	IP	P
3A. Arts **ART** 001, 002, 003A, 003B, 010, 011, 012; **CINA** 010, 011; **MUSC** 005+, 007, 008, 013; **PHOT** 035; **THEA** 006, 009, 010, 011, 013, 048A Course from another college_____ AP Exam _____			
3B. Humanities **ENGL** 014, 018, 021, 023, 024, 030, 031, 036, 040, 041, 044; **FREN** 002, 003, 004, 011, 012; **HIST** 002*, 003*, 004*, 005*, 010*, 017*, 018*, 028*, 029*, 031*, 037*; **HUMN** 001, 002, 003; **PHIL** 003, 004, 006*; **PLSC** 006*; **SPAN** 002+, 003, 004, 011, 012, 033+, 034+ Course from another college_____AP Exam _____			

C = Completed; IP = In Progress; P = Planned; (L) Lab course; * May be used in only one area
+ Indicates that transfer credit may be limited by either UC or CSU or both; Consult a counselor for details

AREA 4 – Social and Behavioral Sciences		
At least 3 courses from at least 2 disciplines 9 semester/ 12-15 quarter units		
C	**IP**	**P**
4A. **Anthropology & Archaeology: ANTH** 002, 007		
4B. **Economics: ECON** 001, 002, 010		
4C. **Ethnic Studies: PLSC** 005; **PSYC** 007; **SOCS** 022, 023, 025, 028		
4D. **Gender Studies: PLSC** 019		
4E. **Geography: GEOG** 002, 004, 006		
4F. **History: HIST** 002*, 003*, 004*, 005*, 010*, 017*, 018*, 028*, 029*, 030*, 031*, 037*		
4G. **Interdisciplinary, Social & Behavioral Sciences: CDFS** 038, 040 **COMM** 012; **JOUR** 011; **PLSC** 048G; **SOCS** 025, 027, 030		
4H. **Political Science, Government & Legal Institutions: CJ** 001; **IR** 001; **PLSC** 001, 002, 003, 004, 005, 006*, 016, 019; **PHIL** 006*		
4I. **Psychology: CDFS** 038; 040 **PSYC** 001, 002, 004, 005, 006, 007, 010, 020, 030, 034; **SOC 030**		
4J. **Sociology & Criminology: CJ** 001, **PSYC** 030, **SOC** 001, 002, 023, 030, 040, 045		
Course from another college_____ AP Exam _____		
Area 5 – Physical and Biological Sciences		
At least 2 courses; one Physical Science course and one Biological Science course; at least one must include a laboratory. 7-9 semester /9-12 quarter units		
C	**IP**	**P**
5A. **Physical Science** **ASTR** 010, 030+, 040+; **CHEM** 001(L), 002(L), 003(L), 004(L), 010(L)+, 011(L)+; **ENGR** 030; **GEOG** 001; **GEOL** 001, 005; **PHYS** 002(L)+, 004(L)+, 006(L)+, 007(L)+, 008(L)+, 010+; **PHSC** 012(L)+ Course from another college_____ AP Exam _____		
5B. **Biological Science** **ANTH** 001; **BIO** 002(L), 003(L), 004(L)+, 005(L)+, 012, 014(L), 015(L)+, 016+, 018, 019(L) Course from another college_____ AP Exam _____		
5C. **Laboratory Requirement (Select one laboratory unless met in 5A or 5B)** **ANTH** 001L; **ASTR** 020; **BIO** 012L+, 016L+; **GEOG** 001L; **GEOL** 002 Course from another college_____ AP Exam _____		
Area 6 – Language Other Than English (UC Requirement Only)		
Proficiency equivalent to two years of high school study in the same language.		
C	**IP**	**P**
ASL 046, 047; **FREN** 001, 002 003, 004 032; **SPAN** 001, 002+, 003, 004, 011, 012, 032, 033+, 034+ Completed in high school_____ Course from another college_____ AP Exam _____		
CSU Graduation Requirement		
CSU requires two American Institutions courses for graduation; one must be from Group 1 and one from Group 2. **Courses used to meet American Institution requirement may also be used to satisfy any other area.**		
C	**IP**	**P**
American Institutions (Group 1) **PLSC** 001, 005		
American Institutions (Group 2) **HIST** 017, 018, 028, 029, 037		

SCC Graduation Requirement		
To meet the Solano Community College graduation requirement using Option B General Education, select one of the following cross-cultural courses below, which may be used in one other area as well. **(Please note that if you are earning the AA-T or AS-T, you are exempt from this requirement.)**		
C	**IP**	**P**
ART 012; **CINA** 011; **COMM** 012; **COUN** 015; **ENGL** 036; **HIST** 037; **HUMN** 003; **MUSC** 013; **PLSC** 005; **PSYC** 007; **SOCS** 022; **THEA** 013 NOTE: **CDFS** 053 and **COUN** 055 also meet this requirement but are not UC transferable.		

C = Completed; IP = In Progress; P = Planned; (L) Lab course; * May be used in only one area;

+ Indicates that transfer credit may be limited by either UC or CSU or both. Consult a counselor for details

CSU General Education
Option C   2017-2018

The CSU GE pattern is a set of courses approved to meet lower division general education requirements at the California State University system. For full certification, a student must complete 39 units in each subject area (A-E) minimum. Partial certification is also available for students missing one or more courses. Students should request certification from Admissions and Records prior to transfer. Please see a counselor for additional information and academic guidance.

__GE (this sheet) + __Major Units (www.assist.org) + __Elective Units (any class 001-099 CSU) = 60 Units req.

AREA A – English Language Communication and Critical Thinking			
(minimum of 9 semester/12 quarter units) Must be completed with a minimum grade of C			
	C	IP	P
A1. Oral Communication **COMM** 001 , 002, 006* Course from another college_____			
A2. Writing Communication **ENGL** 001 Course from another college_____ AP Exam _____			
A3. Critical Thinking **COMM** 002, 006 *; **ENGL** 002, 004; **PHIL** 001, 005 Course from another college_____			
AREA B – Scientific Inquiry and Quantitative Reasoning			
(minimum of 9 semester/ 12-15 quarter units) Select one physical science, one life science (one lab required) and one mathematics course.			
	C	IP	P
B1. Physical Science **ASTR** 010, 030, 040; **CHEM** 001(L), 002(L), 003(L), 004(L), 010(L), 011(L), 051(L); **ENGR** 017(L), 030, 045; **GEOG** 001, 010; **GEOL** 001, 005; 010; **PHYS** 002(L), 004(L), 006(L),007 (L), 008 (L), 010; **PHSC** 012(L) Course from another college_____ AP Exam _____			
B2. Life Science **ANTH** 001; **BIO** 002(L), 003(L), 004(L), 005(L), 012, 014(L), 015(L), 016, 018*, 019(L) Course from another college_____ AP Exam _____			
B3. Laboratory Courses (Select one laboratory unless met in area B1 or B2) **ANTH** 001L; **ASTR** 020; **BIO** 012L, 016L; **GEOG** 001L; **GEOL** 002			
B4. Mathematics (must be completed with a minimum grade of C) **MATH** 002, 004, 011, 012, 020, 021, 022, 023, 030, 031, 040, 051 Course from another college_____ AP Exam _____			
AREA C – Arts and Humanities			
(minimum of 9 semester, 12-15 quarter units) Select at least one course from C1 and C2			
	C	IP	P
C1. Arts **ART** 001, 002, 003A, 003B, 010, 011, 012, 030B; **CINA** 010, 011; **MUSC** 005, 007, 008, 013; **PHOT** 035; **THEA** 001, 002, 005, 006, 009, 010, 011, 013, 048A Course from another college_____AP Exam _____			
C2. Humanities **ASL** 046, 047**, ENGL** 006, 018, 021, 023, 024, 030, 031, 036, 040, 041, 044, 058; **FREN** 001, 002, 003, 004, 011, 012, 031, 032; **HIST** 002+, 003*, 004*, 005*, 010*, 017*#, 018*#, 028*#, 029*#, 031*, 037*#; **HUMN** 001, 002, 003; **PHIL** 003, 004; **SPAN** 001, 002, 003, 004, 011, ~~012, 025, 026~~, 031, 032, 033, 034: **ENGL** 007 Course from another college_____ AP Exam_____			

AREA D − Social Sciences			
(minimum of 9 semester 12-15 quarter units) Select courses from at least two different course disciplines.			
	C	**IP**	**P**

D0 – Sociology & Criminology
    CJ 001 **, SOC** 001 , 002 , 023 , 040 , 045 , 075
D1 – Anthropology & Archaeology
    ANTH 002 , 007
D2 – Economics
    ECON 001, 002 , 010			

D3 – Ethnic Studies
    COMM 012 ; **CDFS** 053 **COUN** 015 (formerly 055),   **HIST** 028 *#, 029*#, 031*;
    PLSC 005 # ; **PSYC** 007 ; **SOC** 023 ; **SOCS** 022, 023, 025
D4 – Gender Studies
    HIST 037*#; **PLSC** 019, PSYC 010
D5 – Geography
    GEOG 002, 004, 006
D6 – History
    HIST 002 *, 003 *, 004 *, 005 *, 010 *, 017 *#, 018 *#, 028 *#, 029 *#, 031 *, 037*#
 	
    Course from another college_____AP Exam _____			

D7 – Interdisciplinary, Social & Behavioral Sciences
    COMM 012 **, CDFS** 038*, 040, 050, 053, 070; **HS** 051; **JOUR** 011; **PLSC** 048G;
    PSYC 007, 030; **SOC** 030, 075; **SOCS** 028**,** 030, 053A, 053B**TV** 050
D8 – Political Science, Government & Legal Institutions
    CJ 001; **IR** 001; **PHIL** 006, **PLSC** 001 #, 002 , 003, 004, 005 #, 006, 016 , 019
    Course from another college_____AP Exam _____
D9 – Psychology
    CDFS 038*; **COUN** 023 (formerly 083); **PSYC** 001, 002, 004, 005, 006, 007,010 034			

AREA E − Lifelong Learning and Self Development			
(minimum of 3 semester/4-5 quarter units)			
	C	**IP**	**P**
BIO 018*; **CDFS** 038*, 040, 050, 054, 070; **COUN** 004(formerly 058), 005 (formerly 050), 007, 009 (formerly 098),**COUN** 023(formerly 083); **HED** 002, 003; **NUTR** 010, 054; **PSYC** 006, 020, 034, 040; **DD214** Military Experience **No more than 2 semester units of KINE activity courses may be used:** **KINE** 002A, B, D, 003A, 003D, E, 004A-D, F, H, J, K, M, N, P, S, T; 005C-E, J, K ,M, N, Q,R, 006A,C,E , F, 007F, 008A, B, D-F, 009A-C, E-H,P, 020A, D,E, J, M,N, P-R, V-Y, 078,083;			

CSU Graduation Requirement			
CSU requires two American Institutions courses for graduation; one must be from Group 1 and one from Group 2. **Courses used to meet this requirement may also be used in Area C or D.**			
	C	**IP**	**P**
American Institutions (Group 1) PLSC 001, 005			
American Institutions (Group 2) HIST 017, 018, 028, 029, 037 Course from another college_____AP Exam _____			

SCC Graduation Requirement			
To meet the Solano Community College graduation requirement using Option C General Education, select one of the following cross-cultural courses below, which may be used in one other area as well. (Please note: This requirement does not apply to the AA-T or AS-T majors.)			
	C	**IP**	**P**
ART 012; **CINA** 011; **COMM** 012; **COUN** 015; **ENGL** 036; **HIST** 037; **HUMN** 003; **MUSC** 013; **PLSC** 005; **PSYC** 007, **SOCS** 022 **THEA** 013			

C = Completed IP = In Progress P = Planned   * May be used in only one area.
(**L**) Lab course # Meets American Institution requirement.

Program Degrees and Certificates

Program	CTE	Assoc. Degree	Certificate
Accounting		•	
Aeronautics			
Airframe & Powerplant Maintenance Technician	•	•	•
Airframe Maintenance Technician	•	•	•
Powerplant Maintenance Technician	•	•	•
Art		•	
Art History		•	
Graphic Design & Illustration	•	•	
Three-Dimensional		•	
Two-Dimensional		•	
Automotive			
Automotive Body & Repair	•	•	•
Automotive Technician	•	•	
Automatic Transmissions and Transaxles	•		•
Electrical and Body Systems	•		•
Maintenance and Light Repair	•		•
Biology		•	
Biotechnology			
Biotechnology Laboratory Assistant	•		•
Industrial Biotechnology	•	•	•
Business			
Business Insurance: Property& Casualty	•	•	•
Business, General: Transfer		•	•
Chemistry		•	
Child Development and Family Studies			
Early Childhood Education	•	•	•
Associate Teacher	•		•
Communication Studies			
Sports Broadcasting	•		•
Computer & Information Science			
Computer Programming	•	•	•
Microcomputer Applications	•	•	•
Web Development & Administration	•	•	•
Cosmetology	•	•	•
Criminal Justice			
Computer Forensics	•	•	•
Corrections	•	•	•
Law Enforcement	•	•	•
Drafting			
Drafting and Design Technician	•	•	•
Survey and Civil Drafting Technician	•	•	•
English		•	
Ethnic Studies		•	
Film and Television		•	
Fire Technology	•	•	•
Horticulture and Plant Science	•	•	•
Human Services	•	•	•
Industrial Education			
Mechatronics	•	•	•

Program	CTE	Assoc. Degree	Certificate
Interdisciplinary Studies		•	
Arts & Humanities		•	
Communication		•	
Science & Quantitative Reasoning		•	
Social Science		•	
Wellness & Self Development		•	
~~International Relations~~	▲	▲	
Journalism	•	•	
Kinesiology			
~~Physical Education~~		▲	
Sports Medicine/Fitness Science ~~Transfer~~		•	
Language			
Foreign Language, General		•	
French		•	
Spanish		•	
Management			
Management	•	•	•
Retail Management: ~~WAFC~~	•	•	•
Small Business Management	•	•	•
Marketing	•	•	•
Mathematics		•	
Mechatronics	•	•	•
Music			
Instrumental		•	
Theory-Composition		•	
Vocal		•	
Nursing, Registered	•	•	
Office Technology			
Administrative Assistant	•	•	•
Medical Front Office Clerk	•		•
Medical Office and Coding Specialist	•	•	•
Photography, Professional	•	•	•
Physics		•	
Psychology		•	
Real Estate	•	•	•
Science, General		•	
Social Sciences		•	
Sociology		•	
Theatre Arts		•	
University Studies			
Arts & Humanities		•	
Communication		•	
Liberal Studies for Education		•	
Science & Quantitative Reasoning		•	
Social Science		•	
Water & Wastewater Technology	•	•	•
Welding			
Industrial Technician	•	•	•
Technician	•	•	

Announcement of Course & Course Numbers

Solano Community College has established recommended minimum English and math standards for Associate Degree-level courses across the disciplines to advise students of the levels of writing, reading, and math skills they should have in order to have the most beneficial learning experience. Advisory information for a course appears in the "Course Advisory" area of the catalog description. The recommended minimum skill level in English in an Associate Degree-level course (SCC minimum English standard) is eligibility for enrollment in ENGL 360. The recommended minimum skill level in mathematics in an Associate Degree-level course (SCC minimum Math standard) is eligibility for enrollment in elementary algebra (MATH 330).

Art

Associate in Arts in Art History for Transfer (ADT: A.A.-T)

Program Description
This program provides the academic and practical experience to prepare students for a career, or further education at a four-year institution, in art history and related fields, such as museum studies, art education and administration. The Associate in Arts in Art History for Transfer provides the academic and practical experience to transfer into the CSU system to complete a baccalaureate degree that will prepare students for a career in the Art History industry.

Associate in Arts in Art History for Transfer
The Associate in Arts in Art History for Transfer degree is especially designed for students who plan to complete a bachelor's degree in Art History at a CSU campus. Students completing an Associate in Arts in Art History for Transfer degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the Associate in Arts in Art History for Transfer degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. The Associate in Arts in Art History for Transfer degree also prepares students for art history degree programs at CSU institutions, but does not come with the same guarantees. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

To earn the Associate in Arts in Art History for Transfer degree, students must:
1. Complete 60 semester units that are eligible for transfer to the California State University, including both of the following:
   a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements
   b. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
2. Obtain a minimum grade point average of 2.0.

Program Outcomes
Students who complete the Associate in Arts in Art History for Transfer degree will be able to:
1. Analyze, apply and integrate diverse visual experiences.
2. Develop and articulate with proficiency an understanding of visual and multi-cultural literacy.
3. Work independently and cooperatively to solve creative problems, applying critical thinking skills.

REQUIRED COURSES...Units
ART 001 Art History 3
ART 002 Art History 3
ART 014 Introduction to Drawing 3

Select 3 units from List A......................................3
Select 3 units from List B 3
Select 3 units from List C......................................3

List A: Non-Western Arts History (select 3 units)
ART 003A Arts of Asia..3
ART 003B Arts of Africa, Oceania, and the Americas......3

List B: Studio Art (select minimum of 3 units) ....**Units**
ART 004 Life Drawing 3
ART 006 Design Principles in 2-Dimensions 3
ART 007 Design-Color...3
ART 008 Design Principles in 3-Dimensions 3
ART 016 Beginning Painting.....................................3
ART 019 Figure Painting 3
ART 023 Introduction to Ceramics: Hand Building..........3
ART 026 Introduction to Ceramics:
   Wheel Throwing Techniques...3

ART 031 Sculpture...3
ART 032 Sculpture: Human Figure 3
ART 038 Introduction to Printmaking 3
ART 039 Etching and Engraving: Line Techniques..........3
ART 043 Printmaking: Relief Printing,
   Including Woodcut...3
ART 045A Graphic Design I 3
PHOT 030 Beginning Photography...................................3

List C: Modern, Contemporary, and Theory
(select 3 units) .... **Units**
ART 011 Survey of Modern Art 3
ART 012 Inside/Outside: The Cultures and Identities
   of Visual Artists in a Diverse America 3
Any List A or B course not already used 3

Required Major Total Units... 18
CSU General Education or IGETC Pattern units.. 37 - 39
CSU Transferable Electives
(as needed to reach 60 transferable units)* 3-5
Total Degree Units... 60

* 3 units may be double counted toward both the major area of emphasis and CSU General Education or IGETC Pattern. Consult with a counselor for more information on completing this degree.

Astronomy

ASTR   050   1.0 Unit
Astronomical Optics
Course Advisory: A minimum grade of B in ASTR 030 and ASTR 040; A minimum grade of C in MATH 104. An introduction to principles of astronomical optics. The student will apply these principles to the design, fabrication, and use of a telescope, which will be tested under the night sky. Primary mirrors will be ground, smoothed, polished, and figured by hand. Optics and optical testing theories will be presented. Students will design and build a custom optical tube assembly and telescope mount. Field trips may be required. Required materials will be purchased by the students; estimated cost of $250. *Three hours lab.*

Automotive

Automotive Maintenance and Light Repair

Program Description
This certificate is designed to prepare graduates for entry level employment in the automotive industry as an apprentice technician, lube technician, express service technician, or parts specialist.

Certificate of Achievement
The Certificate of Achievement can be obtained upon completion of the 17 unit automotive major. All courses in the major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes
Students who complete the Certificate will be technically proficient in entry level skills as defined by the National Automotive Technician's Education Foundation (NATEF). Students will demonstrate and practice 85% of all MLR P1, P2, and P3 (priority level) tasks in accordance with the 2013 NATEF automotive training program accreditation standards for the MLR Technician G1 Automotive Service Excellence (ASE) Certification.

REQUIRED COURSES...Units
ATEC 070 Automotive Fundamentals 3
ATEC 130 Automotive Suspension and Steering 4
ATEC 131 Automotive Electrical Systems 4
ATEC 132 Automotive Brake Systems....................................4
ATEC 140 Hybrid Vehicle Maintenance and Repair 2
    Total Units..17

This is a Gainful Employment Program. For additional information, please visit
http://www.solano.edu/gainful_employment/ *and select "Automotive Technician."*

Biology

BIO   005   5.0 Units
Human Physiology
Prerequisite: A minimum grade of C in BIO 004 and CHEM 001, CHEM 010, or CHEM 012. Course Advisory: SCC minimum English and Math standards. This course describes physiological and homeostatic mechanisms of the body systems in health and disease. The laboratory relates structure to function, uses instrumentation to measure physiological variables, and enables students to critically evaluate functional status. C-ID BIOL 120B
Three hours lecture, six hours lab.

Business

Business, General

Program Description

This Program provides a foundation of knowledge under the umbrella of Business Administration. Students are armed with the skills and knowledge necessary to understand the rapidly changing global business environment and can specialize in areas such as advertising, marketing, accounting, finance, real estate management, and entrepreneurship.

Certificate of Achievement and Associate in Science Degree

The Certificate of Achievement can be obtained upon completion of the 26 unit major. The Associate in Science Degree can be obtained upon completion of the major, and general education requirements. All courses in the major must be completed with minimum grade of C or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes

1. Students who complete the Certificate of Achievement/Associate Degree will be able to:
2. Recognize and describe the importance of marketing, law, economics, accounting, business administration, finance, risk analysis, and personal management in business and formulate hypotheses based on these concepts.

REQUIRED COURSES.. Units

ACCT 001 Principles of Accounting - Financial 4
ACCT 002 Principles of Accounting - Managerial 4
BUS 005 Introduction to Business 3
BUS 018 Legal Environment of Business 3

CIS 001 Introduction to Computer Science.................................... 3
OR
CIS 050 Microcomputer Applications 3

ECON 001 Principles of Economics (Macroeconomics)............... 3
ECON 002 Principles of Economics (Microeconomics) 3
Elective(s) selected from the recommended electives 3
Total Units 26

Recommended Electives

(Select three units)..**Units**
BUS 092 Business Communication 3
CIS 020 Assembly Programming.. 3
CIS 022 Introduction to Programming 3
CIS 023 Data Structures and Algorithms 4
MATH 011 Elementary Statistics.. 4
MATH 020 Analytic Geometry and Calculus I 5
MATH 021 Analytic Geometry and Calculus II....................... 5
MATH 030 Analytic Geometry and Calculus 3
MATH 031 Analytic Geometry and Calculus 3
OCED 090 Occupational Work Experience 1-8
OCED 091 General Work Experience 1-6

*Suggested general education math courses for the Business, General (Transfer) major are MATH 011 (Statistics) OR MATH 030 (Analytical Geometry and Calculus).

This is a Gainful Employment Program. For additional information, please visit
http://www.solano.edu/gainful_employment/ *and select "Business, General."*

Business

BUS   005   3.0 Units
Introduction to Business
Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard. A study and analysis of the principles of business by providing a multidisciplinary examination of how culture, society, economic systems, legal, international, political, financial institutions and human behavior interact. The course introduces students to contemporary business principles, practices, and terminology. Students will gain an understanding and appreciation of the private enterprise system and how the functional areas of business work, interrelate and affect a business organization's policy and practices within the U.S. and global society. Students also gain the knowledge to demonstrate how these policies and practices impact the primary areas of business such as: leadership, human resource management, organized labor practices, marketing, organizational communication, technology, entrepreneurship, legal, accounting, financial practices, the stock and securities market and how it affect a business' ability to achieve its organizational goals. The course explores business career opportunities, provides the prerequisite knowledge needed for success in other business courses, and prepares students for transfer to upper-division business degree programs. Assigned readings, class participation, written homework, and written examinations are required. *Three hours lecture.*

Chemistry

CHEM   010   4.0 Units
Intermediate Chemistry
Prerequisite: A minimum grade of C in CHEM 160 and MATH 104. Course Advisory: Eligibility for ENGL 001. A general chemistry course often required for nursing students and for students majoring in physical therapy, occupational therapy, industrial technology and home economics, it emphasizes the chemistry of inorganic compounds and covers selected topics such as atomic theory, bonding, equations, gas laws, solutions, acid-base theory, and oxidation-reduction. Field trip may be required. Online homework may be required. NOTE: Not open for credit to students who have completed CHEM 001. *Three hours lecture, three hours lab.*

CHEM   160   4.0 Units
Introductory Chemistry
Prerequisite: MATH 104 with a minimum grade of C; or two years of high school algebra. Course Advisory: SCC minimum English standard. The fundamental principles of inorganic chemistry. Field trips may be required. Online work may be required. NOTE: Not open to students who have completed CHEM 001, CHEM 010, or equivalent. *Three hours lecture, three hours lab.*

Computer Information Science

CIS   062   3.0 Units
Creating Web Interactivity
Course Advisory: A minimum grade of C in both CIS 001 and CIS 061; SCC minimum English and Math standards. Covers the creation of vector-based graphics, animation, and interactivity within the Web environment. Emphasis will be placed on applying design principles to the elements of motion and interactivity. The basic operating principles of Adobe Animate will be applied in order to create Web content with animation, interactive buttons, and sound. Issues of optimal delivery and web accessibility will also be covered. A portfolio-quality professional level capstone project will be developed and presented. *Three hours lecture.*

CIS   069   3.0 Units
Multimedia for the Web
Course Advisory: CIS 061 with a minimum grade of C; SCC minimum English and Math standards. An in-depth look at designing multimedia for the Web. Topics include developing graphic elements such as buttons, background textures and images for a Web site, using Cascading Style Sheets to position graphics, using Adobe Animate CC to create web site interactivity, adding audio and/or video to a Web site, and manipulating Web multimedia file formats. *Three hours lecture.*

Counseling

COUN   058   3.0 Units
Life Management
Course Advisory: SCC minimum English standard. A survey of the areas of life which influence decision-making. Students are introduced to areas of human development (emotional, intellectual, physical, and social) which influence decision making. They will analyze and evaluate differences in values, motivation, and goals. Includes introduction to financial, time and stress management, and communication skills. Requires written papers and problem-solving exercises. *Three hours lecture.*

COUN   098   3.0 Units
Performance Psychology
Course Advisory: SCC minimum English and Math standards. Explores the psychological, social and physiological factors influencing optimal performance in life's endeavors including academics, performing arts, sport, and in interpersonal and business relationships. Topics required student evaluation of self care, life balance, confidence, arousal management, motivation, goal attainment, concentration, positive self talk, commitment, uses of imagery and visualization, active listening and demonstrating empathy. Briefly listed as COUN 009 for 2016-2017 catalog. *Three hours lecture.*

Horticulture

HORT   030   3.0 Units
Landscape Design I
Course Advisory: HORT 006; HORT 050; SCC minimum English and Math standards. Introduction to the skills and techniques of landscape design principles and practices. Laboratories will stress drafting techniques through design projects. *Field trips required. Two hours lecture, three hours lab.*

Kinesiology

Sports Medicine/Fitness Science

Program Description
The Department of Kinesiology at Solano Community College offers a Sports Medicine Program. We are proud of our program and its students. The program is very strong academically with a core of science courses and hands-on laboratories. The intent of the program is to increase the students' breadth and depth of knowledge relative to the discipline of Kinesiology and Health Science; to provide the opportunity for students to engage in scholarly activity that includes creative, critical, and analytical thinking; and to provide a focus of study that will enhance career commitment and allow for experiences that will lead to continued self-development and growth.

Associate in Science Degree
The Associate in Science Degree can be obtained upon completion of a total 60 units, including the 35-unit major, the general education requirements, and electives. All courses for this major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes
Students who complete the Sports Medicine/Fitness Science Associate Degree will be able to:
1. Understand the psychological, physiological, and social benefits of physical activity
2. Demonstrate an understanding of the R.I.C.E. principle
3. Develop and apply strategies to prevent the incidence and/or severity of injury and illnesses
4. Demonstrate the clinical skills needed to appropriately diagnose patients for treatment and referral
5. Think critically and be a productive member of society
6. Complete athletic training competency skills required in first 2 years of ATEP Athletic Training programs.
7. Apply clinical and decision making skills to respond to acute injury and illness; including emergencies
8. Assess patient status and develop treatment and rehabilitation that are consistent with contemporary disablement models

REQUIRED COURSES .... **Units**
KINE 020A Introduction to Kinesiology 3
KINE 020H Care and Prevention of Athletic Injuries 3
KINE 020S Advanced First Aid and Emergency Care 3
KINE 055A Sports Medicine-Athletic Training
    Practicum Fall Sports 3
KINE 055B Sports Medicine-Athletic Training Practicum
    Spring Sports 3
KINE 057 Introduction to Sports Psychology 3
BIO 004 Human Anatomy...5
BIO 005 Human Physiology 5
CHEM 010 Intermediate Chemistry 4
NUTR 010 Nutrition 3
    Total Units 35

Kinesiology

Associate in Arts in Kinesiology for Transfer (ADT: A.A.-T)

Program Description
The Associate in Arts in Kinesiology for Transfer degree is designed to provide a seamless transfer pathway for students interested in pursuing at least one Kinesiology degree option in the CSU system.

Associate in Arts in Kinesiology for Transfer
Successful completion of the Associate in Arts in Kinesiology for Transfer degree prepares students to transfer into the CSU system and work in the sub-fields of Kinesiology. Students will learn about human functioning during sport and exercise, how exercise science and biomechanics is integrated into exercise program development, and observation and assessment of human performance. The Associate in Arts in Kinesiology for Transfer degree can provide students with the foundational knowledge necessary for transfer to a 4-year Bachelor of Science (BS) or Bachelor of Arts (BA) degree program. Students are encouraged to meet with a counselor to develop their educational plans as degree options and general education requirements vary for each university.

To earn the Associate in Arts in Kinesiology for Transfer degree, students must:
1. Complete 60 semester units that are eligible for transfer to the California State University, including both of the following:
   a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education - Breadth Requirements
   b. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
2. Obtain a minimum grade point average of 2.0.

Program Outcomes
Students who complete the Associate in Arts in Kinesiology for Transfer degree will be able to:
1. Use the fundamentals of biomechanics and exercise physiology and apply them to sport and fitness pedagogy.
2. Assess and measure the five components of fitness through improvements in fitness levels by comprehensive analysis of aerobic capacity, body composition, muscular strength and endurance, and flexibility.
3. Define and utilize the varieties of fitness and training principles as they pertain to each of the body systems in promoting homeostasis and how such body systems adapt to the demands of fitness and sports training.
4. Discuss how sociological, psychological, historical, and philosophical factors influence the discipline of Kinesiology and sports.

REQUIRED CORE .... Units
KINE 020A Introduction to Kinesiology 3
BIO 004 Human Anatomy 5
BIO 005 Human Physiology 5
A minimum of three (3) units from Movement-based courses (maximum of one course from any group) ...3-4
Two courses from List A 7-10

Movement-based Courses
Aquatics: (maximum of one course) .... **Units**
KINE 002A Beginning Swimming 1-1.5
KINE 002B Intermediate Swimming 1-1.5
KINE 002D Swim for Fitness 1.5-2

Combatives: (maximum of one course) .... **Units**
KINE 003D Beginning Judo 1-1.5
KINE 003E Intermediate Judo 1-1.5
-
Dance: .... **Units**
KINE 004J Beginning Ballroom Dance 1.5-2

Fitness: (maximum of one course) .... **Units**
KINE 005J Beginning Body Conditioning .... 1 -1.5
KINE 005K Intermediate Body Conditioning .... 1 -1.5
KINE 005M Beginning Weight Training 1-1.5
KINE 005N Intermediate Weight Training 1-1.5
KINE 006E Fundamentals of Yoga .... 1.5 -2

Individual Sports: (maximum of one course) .... **Units**
KINE 007F Beginning Archery .... 1 -1.5
KINE 008A Beginning Tennis .... 1 -1.5
KINE 008B Intermediate Tennis .... 1 -1.5
KINE 008E Beginning Badminton .... 1 -1.5
KINE 008F Intermediate Badminton .... 1 -1.5

Team Sports: (maximum of one course) .... **Units**
KINE 009A Beginning Basketball .... 1 -1.5
KINE 009B Indoor/Outdoor Soccer .... 1 -1.5
KINE 009C Intermediate Soccer .... 1 -1.5
KINE 009F Beginning Baseball .... 1 -1.5
KINE 009G Softball .... 1 -1.5
KINE 009H Beginning Volleyball .... 1 -1.5
KINE 009P Intermediate Volleyball .... 1 -1.5

Kinesiology

Athletics

ATHL   001B   1.0 Unit
Pre-season Intercollegiate Volleyball
A comprehensive course designed for the intercollegiate student-athlete. The course focus is on continued development and enhancement of physical performance and maintenance level required of each student-athlete participating in intercollegiate volleyball. The course will focus on learning and execution of fitness/conditioning parameters as well as pre and post tests on volleyball skills. *Repeatable 3 times. Four hours lab*.

ATHL   004A   1.5 Units
Off-season Intercollegiate Women's Soccer
Course Advisory: Higher level soccer playing experience such as high school school and/or club level. A comprehensive course designed for the student athlete covering intercollegiate soccer skills. The course includes the theories and analyses of offensive and defensive strategies, skill acquisition, development of fitness skills and mental preparation for non-traditional competition. *Repeatable 3 times. Five hours lab.*

Management

Retail Management

Program Description
Designed to serve the needs of the employees and employers within the retail industry. The program provides the knowledge and skills needed to prepare students for both entry level jobs and upward mobility opportunities in this dynamic and ever changing segment of our economy. Program emphasis is placed on professional and career development

Certificate of Achievement and Associate in Science Degree
A Certificate of Achievement in Retail Management can be obtained by completing the 25 unit major. The Associate in Science Degree can be obtained by completing the major, general education requirements, and electives. All courses for this major must be completed with a grade of C or better or a P if the course is taken on a pass-no pass basis.

Program Outcomes
Students who complete the Retail Management Certificate of Achievement/Associate Degree will be able to:
1. Demonstrate oral and written skills unique in the business community.
2. Apply leadership, ethical standards, and team building skills necessary for managerial positions in the 21st century.
3. Conduct a personal SWOT analysis for a future small business venture.
4. Design a comprehensive business plan for a future small business venture.
5. Demonstrate the ability to use technology in analyzing and solving business problems.
6. Use basic computation skills to analyze and solve business problems requiring the use of mathematics.

REQUIRED COURSES.. Units
(listed in recommended sequence)
BUS 092 Business Communication...3
CIS 050 Microcomputer Applications...3
ACCT 001 Principles of Accounting - Financial...........................4
MKT 171 Introduction to Marketing 3
MKT 174 Retail Merchandising 3
MGMT 191 Human Relations 3
MGMT 193 Human Resource Management..................................3

MGMT 050 Principles of Management...3
OR
MGMT 055 Management/Leadership Skills 3

Total Units 25

*This program is approved by the Western Association of Food Chains for awarding of the industry WAFC Certificate.

This is a Gainful Employment Program. For additional information, please visit
http://www.solano.edu/gainful_employment/ *and select "Retail Management."*

Office Technology

OT   158   3.0 Units
Medical Office Computer Applications
Corequisite: NURS 111 with a minimum grade of C.
Course Advisory: SCC minimum English standard.
Navigates through the operations of a web-based Electronic Health Record/Total Practice Management program. *Three hours lecture.*

Photography

PHOT   130L   1.0 Unit
Film Photography Practicum
Corequisite: PHOT 030. Course Advisory: SCC minimum English and Math Standards. Takes place in the photography darkroom and labs. It includes individual assistance from the instructor, and dedicated time to practice course skills and produce assignments and projects. *Three hours lab.*

PHOT   170L   1.0 Unit
Beginning Digital Photo Practicum
Corequisite: PHOT 070. Course Advisory: *SCC minimum English and Math standards.* Takes place in the photography digital labs. Includes individual assistance from the instructor, and dedicated time to practice course skills and produce assignments and projects. *Three hours lab.*

PHOT   171L   1.0 Unit
Digital Imaging Practicum
Corequisite: PHOT 071. Course Advisory: SCC minimum English and Math standards. Takes place in the photography digital labs. Includes individual assistance from the instructor, and dedicated time to practice course skills and produce assignments and projects. *Three hours lab.*

PHOT   173L   1.0 Unit
DSLR Videography Practicum
Corequisite: PHOT 073. Takes place in the photography digital labs and studio. Includes individual assistance from the instructor, and dedicated time to practice course skills and produce assignments and projects. *Three hours lab.*

Psychology

Psychology

Program Description
The psychology program provides a broad overview of psychology as a science, in particular regard to major theories, methods, and applications. The program emphasizes critical thinking, skeptical inquiry and the scientific approach to understanding behavior and mental processes. In addition, personal, social, and organizational issues are explored using psychological principles.

Associate in Arts Degree
The Associate in Arts Degree can be obtained by completing a total of 60 units, including the 22-unit major, general education requirements and electives. All courses for this major must be completed with a grade of C or better or a P if the course is taken on a Pass/No Pass basis.

Program Outcomes
Students who complete the Psychology Associate Degree will be able to:
1. Demonstrate an understanding of psychology as a science in regard to major theories, methods, and applications.
2. Successfully complete required psychology (major) program courses

REQUIRED COURSES .... **Units**
PSYC 001 Introduction to Psychology................................3
PSYC 002 Biological Psychology...3
PSYC 004 Research Methods in Behavioral Science.........3
MATH 011 Elementary Statistics..4
9 units from Recommended electives.................................9
   Total Units 22

Recommended Electives: (select 9 units) .... **Units**
PSYC 005 Abnormal Psychology 3
PSYC 006 Developmental Psychology 3
PSYC 007 Cross-Cultural Psychology 3
PSYC 020 Personal and Social Behavior.............................3
PSYC 030 Introduction to Social Psychology 3
PSYC 034 Human Sexual Behavior.....................................3
PSYC 040 Drugs, Society, & Behavior.................................3
HS 051 Introduction to Human Services.............................3

Psychology

Associate in Arts in Psychology for Transfer (ADT: A.A.-T)

Program Description
The psychology program provides academic instruction in basic psychological concepts, theories, terminology, and research methods, and promotes life skills, personal growth, and interpersonal effectiveness.

Associate in Arts in Psychology for Transfer
The Associate in Arts for Transfer is especially appropriate for students who plan to complete a bachelor's degree in Psychology at a CSU campus. Students completing an A.A.-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the A.A.-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree also prepares students for psychology degree programs at other four-year institutions, but does not come with the same guarantees. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

To earn the Associate in Arts in Psychology for Transfer degree, students must:
1. Complete 60 semester units that are eligible for transfer to the California State University, including both of the following:
   a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education - Breadth Requirements
   b. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.
2. Obtain a minimum grade point average of 2.0.

Program Outcomes
Students who complete the Associate in Arts in Psychology for Transfer degree will be able to:
1. Demonstrate an understanding of psychology as a science, in regard to major theories, method, and applications.
2. Students will successfully complete required psychology (major) program.

REQUIRED COURSES.. Units
PSYC 001 Introduction to Psychology 3
PSYC 004 Research Methods in Behavioral Science......... 3
MATH 011 Elementary Statistics 4
Two Courses from List A 6-7
One course from List B.. 3

List A (select two courses).. **Units**
PSYC 002 Biological Psychology 3
BIO 015 Introduction to Biology....................................... 4
BIO 016 Introduction to Human Biology 3

List B (select one course).. **Units**
Any List A course not already used
PSYC 005 Abnormal Psychology....................................... 3

PSYC 006 Developmental Psychology............................... 3
PSYC 007 Cross-Cultural Psychology............................... 3
PSYC 020 Personal and Social Behavior........................... 3
PSYC 030 Introduction to Social Psychology................... 3
PSYC 034 Human Sexual Behavior 3
PSYC 040 Drugs, Society & Behavior............................... 3

Required Major Total Units.......................................19-20
CSU General Education or IGETC Pattern Units . 37 - 39
CSU Transferable Electives (as needed to reach 60
   transferable units)*...10 - 19
   Total Degree Units... 60

* 9 - 15 units may be double counted toward both the major area of emphasis and CSU General Education or IGETC Pattern. Consult with a counselor for more information on completing this degree.

University Studies

Liberal Studies for Education

This Area of Emphasis is intended for students who plan to complete a baccalaureate degree and a California Multiple subject Teaching Credential. Most students pursue this credential with the goal of becoming elementary school or special education teachers. This degree is designed to accommodate the differing requirements of the California State University and the University of California campuses that offer majors preparing students for the multiple subject credentials.

REQUIRED COURSES
Minimum three units from each of four different disciplines
Total Units   Minimum of 18 units

ANTH 001, 002, 007
ART 001, 002, 010, 011
ASL 046, 047
ASTR 030, 040
BIO 012, 015, 016,
CDFS 038, 040, 050, 053, 070
CHEM 001, 010, 012
CINA 010, 011
CIS 001
COMM 001, 002, 006, 010, 012
COUN 023, 062
ECON 001, 002
ENGL 002, 004, 030, 031, 036, 040, 041
GEOG 002, 004
GEOL 001, 002
HED 002
HIST 002, 003, 004, 005, 010, 017, 018, 028, 029, 037
MATH 002, 004, 011, 012
MUSC 005, 008, 013
PHIL 001, 003, 004, 005
PHYS 010
PHSC 012
PLSC 001, 005
PSYC 001, 002, 005, 006, 007, 012
SOC 001, 002, 040
SOCS 022
THEA 001

Welding

WELD 130   **3.0** Units
Beginning Shielded Metal Arc Welding-Stick 7018/6010
Advisory: SCC minimum English and Math standards.
Designed to build arc welding skills with an emphasis on flat and horizontal welding. Course activities prepare students for welding certification and advanced welding classes. Welding applications and parameters are discussed and applied throughout the class developing the student's ability to problem solve and develop welding skills. *Two hours lecture, three hours lab.*

WELD 131   **3.0** Units
Intermediate Shielded Metal Arc Welding-Stick
Prerequisite: WELD 130 with a minimum grade of C.
Advisory: SCC minimum English and Math standards.
Designed to advance arc welding skills with an emphasis on vertical and overhead welding. Course activities prepare students for welding certification and employment. Welding applications and parameters are discussed and applied throughout the class developing the students ability to problem solve, develop and enhance welding skills. *Two hours lecture, three hours lab.*

WELD 132   **3.0** Units
Advanced SMAW (Stick Welding)
Prerequisite: WELD 131 with a minimum grade of C.
Course Advisory: SCC minimum English and Math standards. Designed to advance arc welding skills with an emphasis on vertical and overhead welding. Course activities prepare students for welding certification and employment in the metal trades. Welding applications and parameters are discussed and applied throughout the class developing the students ability to problem solve and develop welding skills. This course is designed to enhance welding skills and employability in the field of structural iron working. This course also prepares the student for the American Welding Society plate code D1.1 unlimited thickness in all position certification. *Two hours lecture, three hours lab.*

WELD 135   3.0 Units
MIG (GMAW) Welding
Course Advisory: SCC minimum English standard.
Advances skills previously taught and moves the student forward in a career of manufacturing and facilities maintenance. This course covers 2F, 3F and 4G positions (vertical and overhead positions); Aluminum spool guns; and 35 pound Stainless steel 304 and 308 wires. *Two hours lecture, three hours lab.*

WELD 136   **3.0** Units
Beginning Structural Steel & Flux Core Arc Weld
Advisory: SCC minimum English and Math standards.
Emphasizes developing skills on structural steel and FCAW practices. Related instruction will include ferrous metal identification and welding characteristics, Flux core welding applications and variable, dual shield inert shielding gases and mixtures, troubleshoot FCAW equipment and welds completed in the flat and horizontal positions (1G and 2G). *Two hours lecture, three hours lab.*

WELD 137   **3.0** Units
Advanced Structural Steel & Flux Core Arc Weld
Prerequisite: WELD 136 with a minimum grade of C.
Advisory: SCC minimum English and Math Standards.
Emphasizes developing skills on structural steel and FCAW practices. Related instruction will include ferrous metal identification and welding characteristics, FCAW welding applications and variable, dual shield inert shielding gases and mixtures, troubleshoot FCAW equipment and welds completed in the vertical and overhead position (3G 4G positions). *Two hours lecture, three hours lab.*

WELD 145   **3.0** Units
Intermediate Pipe Welding 7018 STK
Prerequisite: Industry experience. Emphasizes API 1104 certification. Code, pipe classification and identification. Completion of the course does not guarantee certification unless welding procedure qualification tests are passed. Pipe welding is a skill that requires a great deal of hand eye coordination. Hours of practice are needed to master skills to advance and become skilled for employment. *Two hours lecture, three hours lab.*

WELD 175   **3.0** Units
CNC Plasma (Cutting Automation)
Course Advisory: SCC minimum English and Math standards. Designed to educate students on automated plasma cutting skills and processes and related CNC metal working equipment. *Two hours lecture, three hours lab.*

Campus Maps - Vallejo
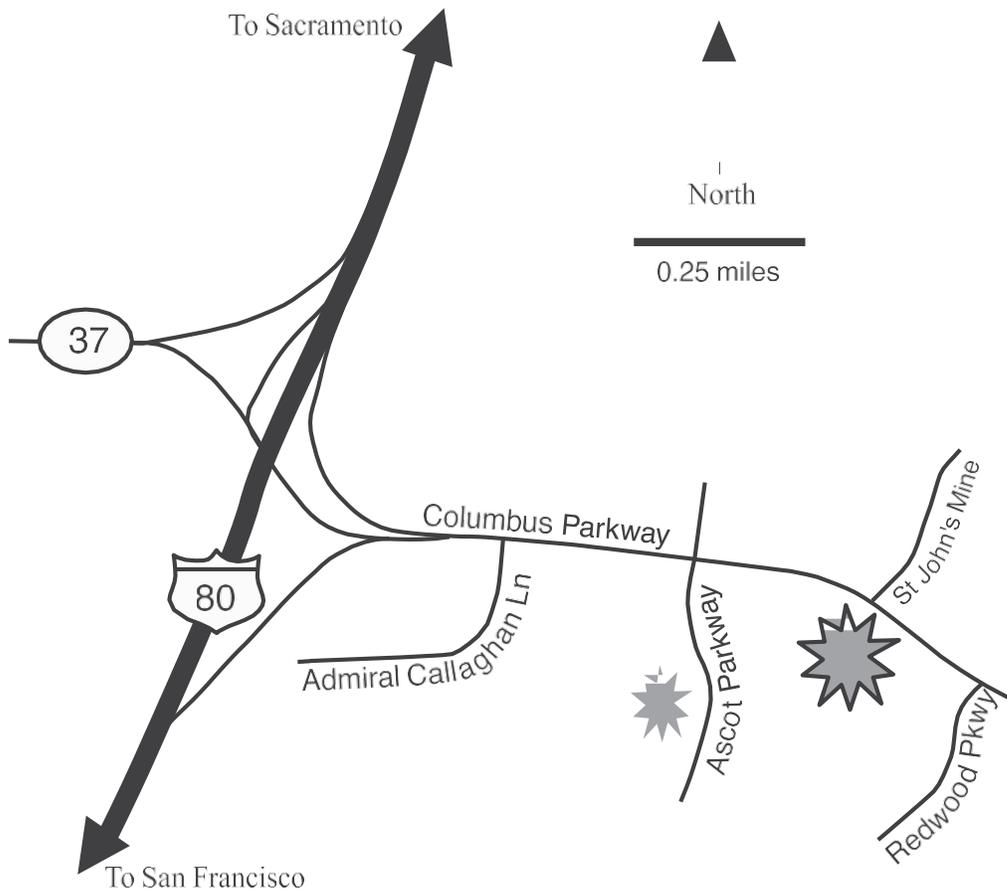
The Solano Community College Vallejo Center is located at 545 Columbus Parkway.

**DIRECTIONS FROM
FAIRFIELD/VACAVILLE/DAVIS/DIXON**
Take I-80 toward San Francisco and exit at Columbus Parkway. The Solano Community College Vallejo Center is located approximately 1 & 1/2 miles on your right.

**DIRECTIONS FROM
PLEASANT HILL/CONCORD/WALNUT CREEK**
Take 680 North to 780 West. From 780 West take I-80 East toward Sacramento. Exit at Columbus Parkway. The new Solano Community College Vallejo Center is located approximately 1 & 1/2 miles on your right.

PARKING
Parking at the Vallejo Center is $20 per vehicle. The permit is valid for the Fairfield campus and the Vallejo and Vacaville Centers.

Daily parking permits are available for $1 from the machine located in the parking lot and are valid for all campus locations. Parking is enforced 24 hours a day.

For additional information or inquiries please go to: *www.solano.edu/vallejo* or call the Vallejo Center at (707) 642-8188.

Vallejo Automotive Technology
1687 North Ascot Parkway
Vallejo, CA 94591

Account Clerk Job-Direct *Low Unit* Certificate

All courses must be completed with a minimum grade of C.

REQUIRED COURSES...Units
ACCT 001 Principals of Accounting-Financial 4
BUS 100 Work Readiness 1.5
CIS 073 Microsoft Excel... 3
OT 162 Ten-Key...1
     Total units 9.5

Insurance Specialist Job-Direct *Low Unit* Certificate

All courses must be completed with a minimum grade of C.

REQUIRED COURSES......................... ....Units
BUS 070 Introduction to Insurance..................................... 1
BUS 071 Principles of Property and Liability Insurance . 3
BUS 072 Personal Insurance 3
BUS 073 Commercial Insurance... 3
BUS 074 Insurance-Code & Ethics 1
     Total Units.. 11

Computer Applications Specialist Job-Direct *Low Unit* Certificate

All courses must be completed with a minimum grade of C.

REQUIRED COURSES.. Units
BUS 100 Work Readiness..1.5
CIS 066 Microsoft Word 3
CIS 073 Microsoft Excel...3
CIS 078 Access - Database Management System 3
     Total Units 10.5

Database Specialist Job-Direct *Low Unit* Certificate

All courses must be completed with a minimum grade of C.

REQUIRED COURSES .... Units
CIS 072 Extensible Markup Language (XML) 1.5
CIS 078 Access - Database Management System.............. 3
CIS 080 SQL Database Management Systems................... 3
     Total Units 7.5

Microsoft Office Specialist Job-Direct *Low Unit* Certificate

All courses must be completed with a minimum grade of C.

REQUIRED COURSES.. Units
CIS 066 Microsoft Word 3
CIS 073 Microsoft Excel...3
CIS 078 Access-Database Management System 3
CIS 090 Introduction to PowerPoint...............................1.5
CIS 091 Microsoft Outlook...1.5
CIS 093 MS Publisher...1.5
     Total Units...13.5

Microsoft Office Master Job-Direct *Low Unit* Certificate

All courses must be completed with a minimum grade of C.

REQUIRED COURSES .... Units
CIS 066 Microsoft Word...3
CIS 073 Microsoft Excel 3
CIS 090 Introduction to PowerPoint 1.5
CIS 093 MS Publisher... 1.5
     Total Units... 9

Web Programmer Job-Direct *Low Unit* Certificate

All courses must be completed with a minimum grade of C.

REQUIRED COURSES..**Units**
CIS 015 Programming in Visual Basic.NET 3
CIS 035 Introduction to Java Programming 3
CIS 068 Object Oriented Game Programming
   with Flash..3
CIS 075 Client-Side Web Programming 3
CIS 081 Server-Side Web Programming...........................3
    Total Units **15**

Web Developer Job-Direct *Low Unit* Certificate

All courses must be completed with a minimum grade of C.

REQUIRED COURSES .... **Units**
CIS 001 Introduction to Computer Science 3
CIS 061 Creating Web Pages.. 3
CIS 069 Multimedia for the Web...3
CIS 072 Extensible Markup Language (XML) 1.5
CIS 075 Client-Side Web Programming............................ 3
CIS 081 Server-Side Web Programming 3
    Total Units.. **16.5**

Computer Aided Drafting (CAD) Technician Job-Direct *Low Unit* Certificate

All courses must be completed with a minimum grade of C.

REQUIRED COURSES .... **Units**
DRFT 045 Introduction to
   Computer-Aided Drafting (CAD)................................. 3
DRFT 046 Advanced Computer Aided
   Drafting (CAD) 3
DRFT 079 Blueprint Reading 3
DRFT 125 Solid Modeling with Solidworks...................... 3
    Total Units **12**

Emergency Medical Technician I Job-Direct *Low Unit* Certificate

All courses must be completed with a minimum grade of C.

REQUIRED COURSES ....**Units**
EMT 112 Emergency Medical Technician (Basic) 7
    Total Units **7**

Landscape Worker Job-Direct *Low Unit* Certificate

All courses must be completed with a minimum grade of C.

REQUIRED COURSES .... **Units**
HORT 006 Identification and Ecology of
   Landscape Plant Materials 4
HORT 050 Introduction to Horticulture 3
HORT 071 Irrigation Principles 3
    Total Units **10**

Students will be required to complete 80 hours of cooperative supervised work experience to receive credit.

Fitness Professional

Job-Direct Low Unit Certificate

All courses must be completed with a minimum grade of C.

REQUIRED COURSES .... Units
KINE 005J Beginning Body Conditioning......................... 1
or
KINE 005K Intermediate Body Conditioning................... 1

KINE 020S Advanced First Aid and Emergency Care..... 2
KINE 020W Principles of Fitness & Sports Training 3
KINE 020V Introduction to Sports Science 3
NUTR 010 Nutrition.. 3
5 units from the following list: * 5
    Total Units.. 17

*At least one activity course selected from four of the seven listed categories:

Aquatics:	KINE 002A, 002B, 002D	Combatives:	KINE 003A, 003D, 003E
Dance:	KINE 004A, 004B, 004C, 004D 004F, 004H, 004J 004K, 004N	Fitness:	KINE 005C, 005G, 005J, 005K, 005M, 005N, 005P, 006A, 006C, 006E, 006F, 078
Individual Sports:	007F	Racquet Sports:	KINE 008A, 008B, 008C, 008E, 008F
Team Sports:	KINE 009A, 009B, 009C, 009E, 009F, 009G, 009H, 009P		

Certified Nursing Assistant Job-Direct Low Unit Certificate

All courses must be completed with a minimum grade of C.

Required Courses .... Units
NURS 103 Certified Nursing Assistant............................ 6.5
    Total Units.. 6.5

Welding Equipment Operator

Job-Direct Low Unit Certificate

All courses must be completed with a minimum grade of C.

Required Courses .... Units
WELD 175 Welding Fabrication 2
OCED 090 * Occupational Work Experience 1-8
    Total Units... 3-10

*Students will be required to complete 80 hours of cooperative supervised work experience to receive credit.

Page # Catalog	Page # Addendum	Course/Program/Heading	In Printed 2017-2018 Catalog	Spring 2018 Addendum
37	2	Off-Campus Classes – Other locations	1301 Georgia Street, Vallejo	1687 North Ascot Parkway, Vallejo
38	3	Admissions and Registration	NON-RESIDENT TUITION: $211.00	NON-RESIDENT TUITION: $227.00 Include: Transportation Fee Include: Upper Division Course Fee
40	4	Academic Regulations		
52-53	5-6	General Education Option A	--	**Removed:** AREA A: CHEM 015; AREA B: HIST 025, 030, LR 012, PSYC 010, 024, SOCS 027, 028; AREA C: ENGL 034, FREN 033, 034; Area D2 Reading requirement; AREA D3: MATH 114; AREA E: ENGL 012; **Updated:** Area D3 to Area D2, Area D4 to Area D3
56-57	7-8	General Education Option B	--	**Removed:** ENGL 014; SPAN 012; + (for MATH 022); AREA 4C: SOCS 028; AREA 4F: HIST 030*; AREA 4G: SOCS 027; AREA 4I: CDFS 040, + (for PSYC 001), PSYC 010; AREA 6L SPAN 012 **Added:** AREA 3B: asterisk* (for PHIL 006 and PLSC 006); AREA 4H: asterisk* (for PLSC 006), PHIL 006*; AREA 4I: SOC 003; AREA 6: + (for SPAN 002, 003, 034)
58-59	9-10	General Education Option C	--	**Removed:** AREA C2: SPAN 012, 025, 026; AREA D4: PSYC 010; AREA D7: SOCS 028, 053A, 053B; AREA D9: PSYC 010 **Added:** AREA C2: ENGL 007; AREA E: KINE 003A; Area E note: No more than 2 semester units of physical activity
65	11	Program Degrees and Certificates		Update program list
69	12	Announcement of Course and Course Numbers	(SCC minimum English standard) is eligibility for enrollment in one English course one level below English 001.	(SCC minimum English Standard) is eligibility for enrollment in ENGL 360.
89	13	Art-Associate in Arts in Art History for Transfer (ADT: A.A.-T)		Add: ART 045A Graphic Design I, 3 units
	14	ASTR 050		New Course – Astronomical Optics
	15	Automotive	--	New Program – Automotive Maintenance and Light Repair Certification of Achievement
109	16	BIO 005	Prerequisite: A minimum grade of C in BIO 004 and CHEM 001, CHEM 010	Prerequisite: A minimum grade of C in BIO 004 and CHEM 001, CHEM 010, or CHEM 012
123	17	Business		New Program – Business, General A.S.
125	18	BUS 005		Course Description update
128	18	CHEM 010	Prerequisite: CHEM 160 with a minimum grade of C and a minimum grade of C in MATH 104 or MATH 114	Prerequisite: A minimum grade of C in CHEM 160 and MATH 104
128	18	CHEM 160	Prerequisite: A minimum grade of C in any of the following: MATH 104 or MATH 114 or two years of high school algebra	Prerequisite: MATH 140 with a minimum grade of C; or two years of high school algebra.
143	19	CIS 062	Title: Creating Web Interactivity with Flash	Title: Creating Web Interactivity Course Description Update
143	19	CIS 069		Course Description Update
155	19	COUN 058	COUN 004 – Life Management	COUN 058 – Life Management
155	19	COUN 098	COUN 009 – Performance Enhancement	COUN 098 – Performance Psychology
203	19	HORT 030	Prerequisite: HORT 006 with a minimum grade of C. Course Advisory: HORT 050; SCC minimum English and Math Standards	Course Advisory: HORT 006; HORT 050; SCC minimum English and Math Standards
219	20	Kinesiology: Sports Medicine/Fitness Science	KINE 020A Foundations of Physical Education, 3 units; BIO 005 Introductory Physiology, 5 units	KINE 020A Introduction to Kinesiology, 3 units; BIO 005 Human Physiology, 3 units
220	20	Kinesiology- Associate in Arts in Kinesiology for Transfer (ADT: A.A.-T)	BIO 005 Introductory Physiology, 5 units	BIO 005 Human Physiology, 3 units
	22	Kinesiology/ATHL 001B		New Course – Pre-season Intercollegiate Volleyball
	22	Kinesiology/ATHL 004A		New Course – Off-season Intercollegiate Women's Soccer

238	23	Management: Retail Management A.S.	BUS 181 Business Mathematics MGMT 050 Principles of Management AND MGMT 055 Management/Leadership Skills	Remove BUS 181 Business Mathematics from certificate MGMT 050 Principles of Management OR MGMT 055 Management/Leadership Skills
281	24	OT 158	Number: 059 Title: Medical Keyboarding and Computer Applications Transferability: CSU Prerequisite: Completion of all modules of OT 054 with a grade of 'C' or 'CR' or better or Passing the OT 059 placement test; and Nursing 111 (or concurrent enrollment). Hours: 3 hours lecture/2 hours lab Course Description	Number: 158 Title: Medical Office Computer Applications Transferability: Not transferrable Corequisite: NURS 111 with a minimum grade of C Hours: 3 hours lecture Course Description update
	24	PHOT 130L		New Course – Film Photography Practicum
	24	PHOT 170L		New Course – Beginning Digital Photo Practicum
	24	PHOT 171L		New Course – Digital Imaging Practicum
	24	PHOT 173L		New Course – DSLR Videography Practicum
294	25	Psychology	Total units 18; MATH 011 – 3 units	Total Units 22; MATH 011 – 4 units
295	26	Psychology A.A.-T	Two Courses from List A….3-4 units	Two Courses from List A…..6-7 units
315	27	University Studies	Liberal Studies with Emphasis on Education	Liberal Studies for Education
323	28	WELD 130	Units: 4.0; Hours One hour lecture, nine hours lab	Units: 3.0; Hours: Two hours lecture, three hours lab
323	28	WELD 131	Units: 4.0; Hours One hour lecture, nine hours lab	Units: 3.0; Hours: Two hours lecture, three hours lab
323	28	WELD 132	Units: 4.0; Hours One hour lecture, nine hours lab Prerequisite: none	Units: 3.0; Hours: Two hours lecture, three hours lab Prerequisite: WELD 131 with a minimum grade of C
323	28	WELD 135		New Course: MIG (GMAW) Welding
323	28	WELD 136	Units: 4.0; Hours One hour lecture, nine hours lab	Units: 3.0; Hours: Two hours lecture, three hours lab
323	28	WELD 137	Units: 4.0; Hours One hour lecture, nine hours lab	Units: 3.0; Hours: Two hours lecture, three hours lab
324	28	WELD 145	Units: 4.0; Hours One hour lecture, nine hours lab	Units: 3.0; Hours: Two hours lecture, three hours lab
324	28	WELD 175	Title: Welding Fabrication Units: 2.0; Hours Four hours lecture, sixteen hours lab (4 week course)	Title: CNC Plasma (Cutting Automation) Units: 3.0; Hours: Two hours lecture, three hours lab Catalog Description update
342	29	Campus Maps – Vallejo		Add: Vallejo Automotive Technology, 1687 North Ascot Parkway, Vallejo, CA 94591 Remove: Due to Summer upgrades at the Vallejo Center, Summer 2017 classes will be held at MIT. See the map on the following page.
74	30	Account Clerk	Title: Job-Direct Certificate	Title: Job-Direct Low Unit Certificate
124	30	Insurance Specialist	Title: Job-Direct Certificate	Title: Job-Direct Low Unit Certificate
143	30	Computer Applications Specialist; Database Specialist	Title: Job-Direct Certificate	Title: Job-Direct Low Unit Certificate
144	30-31	Microsoft Office Specialist Microsoft Office Master Web Programmer Web Developer	Title: Job-Direct Certificate	Title: Job-Direct Low Unit Certificate
167	31	Computer Aided Drafting (CAD) Technician	Title: Job-Direct Certificate	Title: Job-Direct Low Unit Certificate
172	31	Emergency Medical Technician I	Title: Job-Direct Certificate	Title: Job-Direct Low Unit Certificate
202	31	Landscape Worker	Title: Job-Direct Certificate	Title: Job-Direct Low Unit Certificate
222	32	Fitness Professional	Title: Job-Direct Certificate	Title: Job-Direct Low Unit Certificate
268	32	Certified Nursing Assistant	Title: Job-Direct Certificate	Title: Job-Direct Low Unit Certificate
321	32	Welding Equipment Operator	Title: Job-Direct Certificate	Title: Job-Direct Low Unit Certificate