

# 2020 Fall Catalog Addendum

This catalog addendum reflects updates and corrections to the 2020-2021 catalog. New and modified programs and courses are effective Spring 2021. The complete catalog covers Summer semester (June-August 2020); Fall semester (August-December 2020); and Spring semester (January-May 2021).

Catalog Revised 11/2020

## 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*.

#### APPROVALS

 Nursing - California State Board of Registered Nursing.
 Certified Nursing Assistant - California Department of Public Health
 Cosmetology - California State Board of Barbering and Cosmetology
 Veterans Training - U.S. Department of Veterans Services
 Active-Duty Training - Department of Defense
 Foreign Student Education - U.S. Immigration Service (USCIS)

#### CERTIFICATION

Aeronautics Program - Federal Aviation Administration (FAA) in accordance with CFR14, FAR Part 147

### **DROPPING CLASSES**

- Students are responsible for officially dropping courses online through MySolano before established deadlines.
- Students are responsible for paying all applicable fees each semester of attendance. Failure to pay fees may result in a hold on the student's account.
- Established deadlines are listed for each course on student's Schedule Bill.
- Students may be dropped from a class by the instructor for non-attendance.
- Students who do not officially drop courses may receive a grade of F.

## Transfer

#### **Credit-By-Examination**

Credit-by-examination is available for some courses that are not remedial or normally taught at or below the secondary education level. Courses eligible for creditby- examination have been identified by the appropriate academic school. The amount of credit granted may not exceed the amount listed for the specific course in the college catalog.

To be eligible, the student must

- 1. be enrolled currently at the College in at least one graded course other than those being taken for credit-by-examination
- 2. be in good standing (overall 2.0 GPA)
- 3. have successfully completed, with a minimum grade of C, a minimum of 12 units in residence or will have successfully completed, with a minimum grade of C, a minimum of 12 units by the end of the current semester, exclusive of units to be earned by the creditby- examination.
- 4. have all prerequisites met or waived by the School Dean

No examination may be repeated. The maximum number of units that may be earned by credit-by-examination is 15. Students may obtain a copy of the policy and the creditbyexamination petition form online or at an Admissions and Records service counter. The petition must be filed with the Admissions and Records office no later than the fourth week of the semester. If the petition is approved by the School Dean, the student returns the petition to the Admissions and Records office. Eligibility will be checked and payment of a fee for preparation and administration of the exam in the amount of \$20/unit to a maximum of \$120

#### **Credit For Prior Learning**

Credit for prior learning may be earned for eligible courses approved by the District for students who satisfactorily pass an authorized assessment. Authorized assessments may include the evaluation of approved external standardized examinations, Joint Services Transcripts, student-created portfolios, and credit by examination.

### CLEP (COLLEGE LEVEL ENTRANCE PROGRAM) EXAMINATION CREDIT

Solano Community College may award 3 units of college credit for CLEP examination scores of 50 (or otherwise noted) if the examination is compatible with the college's curriculum. Students who have received credit from a CLEP examination should not take the comparable college course as transfer credit will be only be awarded for one. CLEP scores may be used to meet Solano Community College General Education - Option A and California State University (CSU) General Education Breadth - Option C (CLEP cannot be applied to IGETC). For more information contact the Admissions and Records office.

EXAMINATION	SCC GE	CSU GE
(Score of 50 unless otherwise noted)	AREA	(3 semester units)
American Government	2B	D
American Literature	3	C2
Analyzing and Interpreting Literature	3	C2
Biology	1	B2
Calculus	4B	B4
Chemistry	1	B1
College Algebra	4B	B4
College Algebra - Trigonometry	4B	B4
English Literature (prior to F'11 only)	3	C2
French Level II (score – 59)	3	C2
History, United States I	2B	D and US-1
History, United States II	2B	D and US-1
Human Growth and Development	5	E
Humanities	3	C2
Introductory Psychology	2A	D
Introductory Sociology	2A	D
Natural Sciences	1	B1 or B2
Pre-Calculus	4B	B4
Principles of Macroeconomics	2A	D
Principles of Microeconomics	2A	D
Spanish Level II (score – 63)	3	C2 or D
Trigonometry	4B	B4
Western Civilization I	2A or 3	C2
Western Civilization II	2A	D

## AP (COLLEGE BOARD ADVANCED PLACEMENT) EXAMINATION CREDIT

AP EXAMINATION	Score	SCC Course Equivalent	SCC GE	CSU Units Granted	CSU GE	IGETC	UC Units Granted	Limitations of Credit	
ART: Art History	3	ART 001	С	3	C1 or C2	3A or 3B (3	5.3	CSU GE: Only 3 units total	
ART: Art History	4, 5	ART 001, 002	С	6	(3 units)	units)	5.3	may be applied to CSU GE.	
ART, Studio: 2D	3,4,5	ART 006	С	3	N/A	N/A	5.3	UC: Maximum credit: 5.3	
ART, Studio: 3D	3,4,5	ART 008	С	3	N/A	N/A	5.3	units for Studio Art, 2D, 3D &	
ART, Studio: Drawing	3,4,5	ART 014	С	3	N/A	N/A	5.3	drawing exams	
◊ BIOLOGY	3,4,5	BIO 015	А	6	B2 & B3 (4 units)	5B & 5C (4 units)	5.3		
CALCULUS AB	3	N/A	D2	3	B4 (3 units)	2A (3 units)	2.6		
CALCULUS AB	4,5	MATH 020	D2	3	B4 (3 units)	2A (3 units)	2.6		
CALCULUS BC	3	N/A	D2	6	B4 (3 units)	2A (3 units)	5.3	UC: Maximum credit 5.3 units	
CALCULUS BC	4,5	MATH 020 & 021 or MATH 030	D2	6	B4 (3 units)	2A (3 units)	5.3	2.6 units for AB & AB subscore.	
± CALCULUS BC/AB Subscore	3,4,5	MATH 020 or MATH 030	D2	3	B4 (3 units)	2A (3 units)	2.6		
◊ CHEMISTRY	3	CHEM 010	А	6	B1 & B3 (4 units)	5A & 5C (4 units)	5.3	Note: Check with transfer schools for course	
◊ CHEMISTRY	4,5	CHEM 001	А	6	B1 & B3 (4 units)	5A & 5C (4 units)	5.3	equivalency in Chem. May not award credit for General Chem.	
COMPUTER SCIENCE A	3,4,5	N/A	D3	3	N/A	N/A	5.3	UC: CS A = 5.3 after F'18.	
COMPUTER SCIENCE AB	3,4,5	N/A	D3	6	N/A	N/A	2.6	UC Max credit 2.6 units for	
COMPUTER SCIENCE Principles	3.4.5	N/A	D3	6	B4 (3 units)	N/A	5.3	Co A & Ab exams.	
ECONOMICS: Macroeconomics	3.4.5	ECON 001	B2	3	D (3 units)	4 (3 units)	2.6		
ECONOMICS: Microeconomics	3.4.5	ECON 002	B2	3	D (3 units)	4 (3 units)	2.6		
ENGLISH: Language &	0.4.5	ENGL and		-	A2	1A			
Composition	3,4,5	ENGL 001	D1	6	(3 units)	(3 units)	5.3	UC: Max credit 5.3 units for	
ENGLISH: Literature & Composition	3,4,5	ENGL 001	D1 or C	6	A2 & C2 (6 units)	1A or 3B (3 units)	5.3	Engl. Lit/Comp	
◊ ENVIRONMENTAL SCIENCE	3,4,5	BIO 012*	А	4	B1 & B3 (4 units)	5A & 5C (3 units) ◊	2.6	<b>IGETC</b> : Only 3 units apply; need 4 to meet 5A/5C req.	
GOVERNMENT/POLITICS: Comparative	3,4,5	PLSC 002	B2	3	D (3 units)	4 (3 units)	2.6		
GOVERNMENT/POLITICS: US	3,4,5	PLSC 001	B1	3	D & US-2 (3 units)	4 (3 units)	2.6		
HISTORY: European	3,4,5	HIST 004 & 005	С	6	C2 or D (3 units)	3B or 4 (3 units)	5.3	Note: Only 3 units may be	
HISTORY: United States	3,4,5	HIST 017 & 018	B1	6	C2 or D & US-1 (3 units)	3B or 4 (3 units)	5.3	GE for each exam. Check transfer schools - many will not award two courses for	
HISTORY: Modern World	3,4,5	HIST 002 & 003	С	3	C2 or D (3 units)	3B or 4 (3 units)	5.3	major/course equivalencies.	
HUMAN GEOGRAPHY	3,4,5	GEOG 002	B2	3	D (3 units)	4 (3 units)	2.6		
LANGUAGE OTHER THAN ENGL	ISH:								
Chinese Language/Culture	3,4,5	N/A	С	6			5.3		
French Language/Culture	3,4,5	FREN 003 or 011	С	6			5.3		
French Literature (Prior to F09)	3,4,5	FREN 004	С	6			5.3		
German Language/Culture	3,4,5	N/A	С	6			5.3		
Italian Language/Culture	3,4,5	N/A	С	6			5.3		
Japanese Language/Culture	3,4,5	N/A	С	6	C2 (3 units)	3B & 6A	5.3		
Latin	3,4,5	N/A	С	6	( )	(3 units)	2.6		
Latin Literature (Pre 'F09)	3,4,5	N/A	С	6			2.6		
Latin: Vergil (Pre 'F12)	3,4,5	N/A	C	3			2.6		
Spanish Language/Culture	3,4,5	SPAN 002	С	6			5.3		
Spanish Literature/Culture	3	N/A	C	6			5.3		
Spanish Literature/Culture	4,5	SPAN 004	С	6	NT/A		5.3		
MUSIC THEORY	3,4,5	MUSC 001	С	6	IN/A (C1 Prior to F'09)	N/A	5.3		

If a specific AP exam is not listed, acceptance will default to the CSU standard. Consult with a counselor.

### AP (COLLEGE BOARD ADVANCED PLACEMENT) EXAMINATION CREDIT

AP EXAMINATION	Score	SCC Course Equivalent	SCC GE	CSU Units Granted	CSU GE	IGETC	UC Units Granted	Limitations of Credit
PHYSICS: B (pre F'13)	3,4,5	PHYS 002, 004	А	6	B1 & B3 (6 units)	5A & 5C (4 units)	5.3	<b>CSU GE:</b> 6 units max credit applied to baccalaureate, 4
◊ PHYSICS: 1	3,4,5	PHYS 002	А	4		5A & 5C (4 units)	5.3	units max to GE.
◊ PHYSICS: 2	3	N/A	А	4		5A & 5C (4 units) 5A & 5C 31 & B3 (4 units)		4 sem. units to IGETC. Phys
◊ PHYSICS: 2	4,5	PHYS 004	А	4	B1 & B3			only apply 3 units to IGETC – will need to complete at least
◊ PHYSICS: C (Electricity/Magnetism)	3,4,5	PHYS 007	А	4	(4 units)	5A & 5C (3 units) ◊	2.6	4 sem. units to satisfy Area 5A/5C.
◊ PHYSICS: C (Mechanics)	3,4,5	PHYS 006	А	4		5A & 5C (3 units) ◊	2.6	<b>UC:</b> 5.3 units max combined for all PHYS exams.
PSYCHOLOGY	3,4,5	PSYC 001	B2	3	D (3 units)	4 (3 units)	2.6	
STATISTICS	3,4,5	MATH 011	D2	3	B4 (3 units)	2 (3 units)	2.6	

#### NOTES:

Students may earn associate degree and general education credit for Advanced Placement (AP) Examinations with scores of 3, 4, or 5. Advanced Placement
Examinations are noted in the chart below with the specific course credit listed or with the notation of "N/A" where applicable. AP exams not included in the chart
may have been exams offered in the past. Consult with a counselor to determine applicability.

- Students must have the College Board send official AP exam results to the Solano Community College Admissions and Records office for use on the associate degree
  or general education pattern. Please note: Course credit and units granted by Solano Community College may differ from course credit and units granted by a transfer
  institution.
- 3. A student planning to transfer to a four-year college or university must consult with that transfer institution's catalog and admissions department regarding its awarding of Advanced Placement credit. Credit awarded at Solano Community College for the completion of a local AA/AS degree and general education, CSU general education, and/or IGETC (UC) is as noted above. This is not specific to individual colleges and universities. AP exams may not satisfy the requirements for specific majors at four-year colleges. Please consult with a counselor or a university representative on major specific courses and prerequisites.

4. Units awarded for Advanced Placement exams may not be used to meet the residency requirements for the associate degree.

IMPORTANT NOTES ABOUT AP SCIENCES FROM IGETC STANDARDS: AP exams in Biology, Chemistry or Physics 1 and 2 (which replaced Physics B) allow CCC campuses to apply 4 semester or 5 quarter units to IGETC certification. For Environmental Science, Physics C: Mechanics and Physics C: Electricity/Magnetism, 3 semester or 4 quarter units are applied for IGETC certification; therefore, students who complete these exams will be required to complete at least 4 semester or 5 quarter units to satisfy the minimum required units for Area 5.

± Students who take the Calculus BC examination and earn a subscore of 3 or higher on the Calculus AB portion will receive credit for the Calculus AB examination, even if they do not receive a score of 3 or higher on the BC examination.

\* Note that AP Environmental Science may count for BIO 012 for SCC purposes, but will not count for CSU GE Area B2 or IGETC GE Area 5B.

## Transfer

### **IB (INTERNATIONAL BACCALAUREATE) CREDITS**

Solano Community College may award college credit for international baccalaureate (IB) course completion with scores of 5, 6, or 7 (unless otherwise noted), if the course work is compatible with the college's curriculum. No credit will be granted for lower level course work completed in the IB program. Students who have earned credit from an IB exam should not take a comparable college course because transfer credit will not be granted for both (meet with a counselor to verify).

#### International Baccalaureate (IB) Credit for Solano Community College General Education

REQUIRED EXAM SCORE (HIGHER LEVEL EXAMS ONLY) IB SCORE 5-7 unless otherwise noted	SCC GE (3 semester units)	CSU GE Breadth CERTIFICATION (3 semester units*)	IGETC CERTIFICATION (3 semester units*)
BIOLOGY	AREA A	AREA B2	AREA 5B - without lab
CHEMISTRY	AREA A	AREA B1	AREA 5A - without lab
ECONOMICS	AREA B2	AREA D	AREA 4
GEOGRAPHY	AREA B2	AREA D	AREA 4
HISTORY (any region)	AREA C	AREA C2 or D	AREA 3B OR 4
LANGUAGE A Literature CSU GE: SCORE 4; IGETC: Score 5-7	AREA C	AREA C2	AREA 3B and 6A
LANGUAGE A Language and Literature CSU GE: SCORE 4; IGETC: Score 5-7	AREA C	AREA C2	AREA 3B and 6A
LANGUAGE A1 (any language) CSU GE: SCORE 4; IGETC: Score 5-7	AREA C	AREA C2 Removed F'13	AREA 3B
LANGUAGE A2 (any language) CSU GE: SCORE 4; IGETC: Score 5-7	AREA C	AREA C2 Removed F'13	AREA 3B
LANGUAGE B (any language)	AREA C	N/A	AREA 6A
MATHEMATICS CSU GE: SCORE 4; IGETC: Score 5-7	AREA D	AREA B4	AREA 2A
PHYSICS	AREA A	AREA B1	AREA 5A – without lab
PSYCHOLOGY	AREA B2	AREA D	AREA 4
THEATRE	AREA C	AREA C1	AREA 3A

#### \*GE units listed only; total transfer units may be up to 6 (GE units + elective, etc.). Check with transfer university.

- 1. Only higher level tests accepted for credit.
- 2. IB credit is not granted for English Composition (ENGL 001) or for the Art Exam.
- 3. If a student passes more than one test in the same language other than English (e.g., two exams in Spanish), only one exam may be applied.
- 4. Credit is granted only toward the specific area(s) listed in general education. The units may not apply toward certification of the corresponding GE-Breadth area.
- Students seeking certification in Language A1 and/or A2 prior to transfer must have passed the test before Fall 2013.
- 6. The units earned from IB credit cannot be used to satisfy the 12-unit requirement or be applied toward financial aid.
- 7. Please confer with transfer university admissions representatives for application of units upon transfer.

# C-ID (Course Identification Numbering System)

The Course Identification Numbering System (C-ID) is a statewide numbering system that is different from the course numbers assigned by individual California Community Colleges. A C-ID Designator next to a course means that the course is comparable in content and scope to a course offered by participating California colleges and universities. Thus, if the Solano Community College courses are listed below with a C-ID Designator, students can be assured that the courses will be accepted at a California college or university that offers the courses with the same C-ID Designator.

The C-ID Numbering System is particularly useful for students attending more than one California Community College since C-ID Designators are often applied to courses students need to prepare for transfer.

Solano Community College C-ID		Designator	Solano Commu	unity College C-	<b>C-ID</b> Designator	
ACCOUNTING			CHEMISTRY			
ACCT 001	Financial Accounting	ACCT 110	CHEM 001	General Chemistry	CHEM 110	
ACCT 002	Managerial Accounting	ACCT 120	CHEM 001 +	General Chemistry I		
ANTHROPOLO	CV C		CHEM 002	General Chemistry II	CHEM 120S	
ANTH 001	Introduction to		CHEM 003	Organic Chemistry for Science		
/11/11/001	Biological Anthropology	ANTH 110		Majors I, with Lab	CHEM 150	
ANTH 001L	Biological Anthropology Lab	ANTH 115L	CHEM 003 +	Organic Chemistry I		
ANTH 002	Introduction to		CHEM 004	Organic Chemistry II	CHEM 160S	
	Cultural Anthropology	ANTH 120	CHEM 010	Intermediate Chemistry	CHEM 101	
ANTH 007	Introduction to Archaeology	ANTH 150	CHEM 011	Basic Organic Chemistry &		
APT	0,			BioChemistry	CHEM 102	
	Art History	A PTH 110	COMPUTER IN	FORMATION SCIENCE		
ART 001	Art History	ARTH 120	CIS 020	Assembly Programming	<b>COMP</b> 142	
ART 002	Arts of Asia	ARTH 130	CIS 021	Discrete Structures	COMP 152	
ART 003B	Arts of Africa Oceania	/100	CIS 022	Programming Concepts		
	and the Americas	<b>ARTH 140</b>		and Methodology I	COMP 122	
ART 004	Life Drawing	ARTS 200	CIS 023	Data Structures and		
ART 006	Design Principles in 2-Dimensions	ARTS 100		Algorithms	COMP 132	
ART 007	Design-Color	ARTS 270	<b>CRIMINAL JUS</b>	TICE		
ART 008	Design Principles in 3-Dimensions	ARTS 101	CJ 001	Introduction to		
ART 010	Art Appreciation	ARTH 100		Criminal Justice	AJ 110	
ART 011	Survey of Modern Art	ARTH 150	CJ 002	Concepts of Criminal Law	AJ 120	
ART 014	Introduction to Drawing	ARTS 110	CJ 011	Community and the Justice		
ART 015	Intermediate Drawing	ARTS 205		System	AJ 160	
ART 016	Beginning Painting	ARTS 210	CJ 051	Criminal Investigation	AJ 140	
ART - DIGITAL			CJ 053	Legal Aspects of Evidence	AJ 124	
ARTD 044	Introduction to Digital Design	ARTS 250	CJ 056	Juvenile Procedures	AJ 220	
		11110 200	COMMUNICAT	TION STUDIES		
BIOLOGY			COMM 001	Public Speaking	COMM 110	
BIO 002	Cell and Molecular Biology	BIOL 190	COMM 002	Introduction to Persuasion	COMM 190	
BIO 003	Evolution, Ecology & Biodiversity	BIOL 140	COMM 006	Argumentation and Debate	COMM 120	
BIO 004	Human Anatomy with Lab	BIOL 110B	COMM 008	Group Communication	COMM 140	
BIO 005	Human Physiology with Lab	BIOL 120B	COMM 012	Intercultural Communication	COMM 150	
BIOTECHNOLO	DGY		COMM 015	Oral Interpretation of Literatur	e COMM 170	
BIOT 001	Introductory Biology	BIOT 101X	COMM 050	Forensics (Speech & Debate)	COMM 160E	
DUCINECC	5 85		ECONOMICS			
DUSINESS BUS 005	Introduction to Rusiness	RUC 110	ECON 001	Principles of Macroeconomics	ECON 202	
BUS 018	Logal Environment of Business	BUS 120	ECON 002	Principles of Microeconomics	ECON 201	
003018	Legal Environment of Busilless	DU3 120	EDUCATION	1		
CHILD DEVELO	OPMENT AND FAMILY STUDIES			Introduction to Flomontary		
CDFS 038	Child Growth and Development	CDEV 100	OCED 090	Classroom Teaching	FDUC 200	
CDFS 050	Child Family and Community	CDEV 110	OCLD 070	Classiooni leaching	LDUC 200	
CDFS 053	Teaching in a Diverse Society	ECE 230	ENGINEERING			
CDF5 054	Child Health, Safety and Nutrition	ECE 220	ENGR 001	Introduction to Engineering	ENGR 110	
CDF5 062	Traching Vours Children	ECE 120	ENGR 026	Mathematics and Engineering	ENICE 200	
	leaching Young Children	ECE 120		Problem Solving Using Matlab	ENGR 220	
CDF5 063	Observation and Assessment	ECE 130 ECE 200	ENGR 030	Statics	ENGR 130	
CDFS 065	Practicum in Farly	ECE 200	ENGR 045	Materials Science and Engineer	ring ENGR 140 B	
CD13 003	Childhood Education	ECE 210				

## C-ID (Course Identification Numbering System)

Solano Comm	unity College C-ID	Designator	Solano Commu	inity College	C-ID Designato
ENGLISH			MATHEMATIC	5	
ENGL 001	College Composition	ENGL 100	MATH 002	College Algebra for STEM	MATH 151
ENGL 002	Argumentative Writing and Critica	1	MATH 011	Introduction to Statistics	MATH 110
	Thinking Through Literature	ENGL 110	MATH 020	Single Variable Calculus I	
ENGL 002	Introduction to Literature	ENGL 120		Early Transcendentals	MATH 210
ENGL 004	Critical Thinking and Composition	:	MATH 021	Single Variable Calculus II	
	Language in Context	ENGL 105		Early Transcendentals	MATH 220
ENGL 006	Introduction to Creative Writing	ENGL 200	MATH 022	Analytic Geometry and Calc	ulus III MATH 230
ENGL 030	Survey of American Literature 1	ENGL 130	MATH 023	Ordinary Differential Equation	ons MATH 240
ENGL 031	Survey of American Literature 2	ENGL 135	MATH 040	Introduction to Linear Algeb	ra MATH 250
ENGL 040	Survey of British Literature 1	ENGL 160	MATH 055	Mathematical Concepts for	
ENGL 041	Survey of British Literature 2	ENGL 165		Elementary School Teache	ers -
	Survey of British Elicitature 2	LINGE 100		Number Systems	MATH 120
GEOGRAPHY		0700440		i tulliber bystellib	
GEOG 001	Introduction to Physical Geography	geog 110	MUSIC		
GEOG 001L	Physical Geography, Laboratory	GEOG 111	MUSC 001	Music Theory I	MUS 120
GEOG 002	Introduction to Human Geography	GEOG 120	MUSC 001	Musicianship I	MUS 125
GEOG 004	World Regional Geography	GEOG 125	MUSC 002	Music Theory II	MUS 130
GEOG 006	California Geography	GEOG 140	MUSC 002	Musicianship II	MUS 135
GEOG 010	Introduction to Geographic		MUSC 003	Music Theory III	MUS 140
	Information Systems and		MUSC 003	Musicianship III	MUS 145
	Techniques, with Lab	GEOG 155	MUSC 004	Music Theory IV	MUS 150
CEOLOCY			MUSC 004	Musicianship IV	MUS 155
CEOLOGI	Physical Coology	CEOL 100	MUSC 005	Music Fundamentals	MUS 110
CEOL 002	Physical Geology	CEOL 100	MUSC 008	Music Appreciation	MUS 100
CEOL 002	Coology of Colifornia	CEOL 200	MUSC 009	Large Ensemble	MUS 180
GEOL 005	Geology of California	GEOL 200	MUSC 010	Large Ensemble	MUS 180
GEOL 006	Earth Science	GEOL 120	MUSC 011	Symphonic Band	MUS 180
GEOL 000 +	Earth Science	CEOL 120 I	MUSC 014	Large Ensemble	MUS 180
GEOL 000L	Latra duction to Cocorrendia	GEOL 120 L	MUSC 015	Large Ensemble	MUS 180
GEOL 010	Introduction to Geographic		MUSC 016	Large Ensemble	MUS 180
	Information Systems and		MUSC 017	Large Ensemble	MUS 180
	lechniques, with Lab	GEOG 155	MUSC 020	Large Ensemble	MUS 180
HISTORY			MUSC 021	Chorus	MUS 180
HIST 002	World History to 1500	HIST 150	MUSC 024	Large Ensemble	MUS 180
HIST 003	World History since 1500	HIST 160	MUSC 025	Large Ensemble	MUS 180
HIST 004	Western Civilization I	HIST 170	MUSC 026	Large Ensemble	MUS 180
HIST 005	Western Civilization II	HIST 180	MUSC 040A	Applied Music	MUS 160
HIST 017	United States History to 1877	HIST 130	MUSC 040R	Applied Music	MUS 160
HIST 018	United States History from 1865	HIST 140	MUSC 040D	Applied Music	MUS 160
		11101 110	MUSC 040C	Applied Music	MUS 160
HUMAN SERVI	CES		WI05C 040D	Applied Music	WI05 100
HS 001	Introduction to Social Work		NUTRITION		
	and Human Services	SWHS 110	NUTR 010	Introduction to Nutrition Science	ence NUTR 110
IOURNALISM			РНИ ОЅОРНУ		
IOUR 001	Introduction to Reporting		PHIL 003	Introduction to Philosophy	PHII 100
,	and Newswriting	IOUR 110	1111L 005	introduction to 1 miosophy	1111L 100
IOUR 011	Introduction to Mass	,	PHOTOGRAPH	Y	
jeenen	Communications	IOUR 100	PHOT 056	Introduction to Photojournal	ism JOUR 160
IOUR 060	Lower Division Student	jeen ioo	PHYSICAL SCH	INCE	
JOON 000	Media Practicum I	IOUR 130	PHSC 013	Weather and Climate	GEOG 130
IOUR 061	Lower Division Student	JOOR 100	PHSC 013 +	Weather and Climate +	GEOG 150
JOON 001	Modia Practicum II		PHSC 013 + 015C 014	Atmospheric Science Labored	tory $CEOC 120$
		JOUK 131	11130 014	Autospheric Science Laborat	iory GEOG 150
KINESIOLOGY					
KINE 020A	Introduction to Kinesiology	KIN 100			
KINE 020S	First Aid and CPR	KIN 101			

## **Course Identification Numbering System (C-ID)**

Solano Community College		Designator	Solano Comm	C-ID Designator	
PHYSICS			SPANISH		
PHYS 002	General Physics (Non-Calculus)	PHYS 105	SPAN 001	First Semester Spanish	SPAN 100
PHYS 004	General Physics (Non-Calculus)	PHYS 110	SPAN 002	Second Semester Spanish	SPAN 110
PHYS 006	Physics for Science and	11110 110	SPAN 003	Third Semester Spanish	SPAN 200
11110 000	Engineering: A	PHYS 205	SPAN 004	Fourth Semester Spanish	SPAN 210
PHYS 007	Physics for Science and			1	
	Engineering: B	PHYS 210	THEAT NE ANTS	A otino I	TUTD 151
PHYS 008	Physics for Science and			Acting I	1 III III 151 TUTD 152
	Engineering: C	PHYS 215		Acting II	1HIK 152 TUTD 171
			THEA 003	Stagecraft	IHIK I/I
POLITICAL SCI			THEA 006	Introduction to Theatre	IHIK III
PLSC 001	Introduction to American	DOI 0 110	THEA 008	Stage Makeup	IHIR 175
DI CC 000	Government and Politics	POLS II0	THEA 009	Script Analysis	1H1R 114
PLSC 002	Introduction to Comparative	2010100	THEA 020	Introduction to Stage Lighting	g THTR 173
	Government and Politics	POLS 130	THEA 021	Introduction to Theatre Desig	n THTR 172
PLSC 003	Introduction to International		THEA 024A	Rehearsal and Performance in	1
	Politics	POLS 140		Production	THTR 191
PLSC 004	Introduction to Political Science	POLS 150	THEA 024B	Rehearsal and Performance in	1
PLSC 006	Introduction to Political Theory	POLS 120		Production	THTR 191
PLSC 007	Introduction to International		THEA 024C	Rehearsal and Performance in	l
	Relations	POLS 140		Production	THTR 191
PSYCHOLOGY			THEA 024D	Rehearsal and Performance	
PSYC 001	Introductory Psychology	PSY 110		in Production	THTR 191
PSYC 002	Biological Psychology	PSY 150	THEA 027	Technical Theatre in Production	on THTR 192
PSYC 004	Research Methods in	101 100	THEA 027A	Technical Theatre in Production	on THTR 192
1010004	Behavioral Science	PSV 200	THEA 027B	Technical Theatre in Production	on THTR 192
PSVC 005	Abnormal Psychology	PSY 1200	THEA 027C	Technical Theatre in Production	on THTR 192
PSVC 006	Developmental Psychology	PSV 180	THEA 027D	Technical Theatre in Production	on THTR 192
PSVC 012	Introduction to Condor	SIS 120	THEA 032A	Fundamentals of Costume De	sign THTR 174
PSVC 012	Introduction to Conder	SOCI 140	THEA 032C	Fundamentals of Costume De	esign THTR 174
PSVC 020	Introduction to Social Psychology	DEV 170	THEA 032D	Fundamentals of Costume De	sign THTR 174
PSVC 040	Druge Health and Society	DUC 102	THEA 047A	Technical Theatre in Production	on THTR 192
1510 040	Drugs, riealur, and Society	1113 103	THEA 047B	Technical Theatre in Production	on THTR 192
SOCIAL JUSTIC	<b>CE STUDIES</b>		THEA 047C	Technical Theatre in Production	on THTR 192
SJS 001	Introduction to Social Justice	SJS 110	THEA 047D	Technical Theatre in Production	on THTR 192
SJS 002	Introduction to Race				
	and Ethnicity	SOCI 150			
SOCIOLOGY					
SOC 001	Introduction to Sociology	SOCI 110			
SOC 002	Social Problems	SOCI 115			
SOC 040	Introduction to Marriage	0001110			
000 010	manuage				

NOTE: This list will change periodically. Consult a counselor or visit http://www.c-id.net for the most current list of Solano Community College courses with C-ID agreement.

**SOCI 130** 

and Family

## California State University General Education Breadth (CSU GE) Pattern - Option C

The CSU General Education Breadth (CSU GE-Breadth) is a series of courses that California community college (CCC) students may complete to satisfy the lower-division breadth/general education requirements before transferring to the California State University. The CSU GE-Breadth pattern is certified by the CCC and accepted by all CSU campuses. A Transfer Studies Certificate of Achievement may be achieved upon successful completion of the CSU Pattern. Please see a courselor for additional information and guidance.

\_\_\_\_\_GE Units + \_\_\_\_\_ Major Units + \_\_\_\_ Transferable Elective Unit(s) = \_\_\_\_ Units required (minimum of 60)

AREA A – English Language Communication and Critical Thinking							
	Complete 1 course from each A1, A2, and A3.	C	IP	P			
	must be completed with a minimum grade of C.	C		•			
A1	Oral Communication: COMM 001, 002, 006* Course from another college						
A.2	Writing Communication: ENGL 001						
AZ	Course from another college AP Exam						
٨2	Critical Thinking: COMM 002, 006* PHIL 001, 005						
AS	ENGL 002, 004 Course from another college						
	AREA B – Scientific Inquiry and Quantitative Reasoning						
	Complete 1 course from each B1, B2, and B4; one of which must include a lab.	C	IP	Р			
	B3 may be used to complete the lab requirement			-			
	ASTR 010, 030, 040, 045 GEOL 001, 005, 006, 010						
B1	CHEM 001(L), 002(L), 003(L), 004(L), 010(L), 011(L), 012(L)						
Physical	<b>ENGR</b> 045(L) <b>PHSC</b> 012(L), 013, 015, 016						
Science	e <b>GEOG</b> 001, 010 <b>PHYS</b> 002(L), 004(L), 006(L), 007(L), 008(L), 010						
	Course from another college AP Exam IB						
B2	ANTH UUI BIUI UUI BIO 002/1) 002/1) 004/1) 005/1) 012 014/1) 015/1) 016 018* 010/1) 020 025						
Life Science	<b>BIO</b> $002(L), 003(L), 004(L), 003(L), 012, 014(L), 015(L), 010, 0184, 019(L), 020, 025$						
B3 Lab							
(if not met in B1 or B2)	Course from another college AP Exam						
5101527	(must be completed with a minimum grade of C)						
B4	MATH 002, 004, 011, 012, 020, 021, 022, 023, 030, 031, 040, 049, 051, 055						
Mathematics	Course from another college AP Exam IB						
	AREA C – Arts and Humanities						
	Complete 3 courses. A minimum of 1 course from each C1 and C2	С	IP	Р			
	ART 001, 002, 003A, 003B, 010, 011, 012, 30B, 030C						
	<b>CINA</b> 010, 011						
C1	<b>DANC</b> 004, 004N						
	MUSC 005, 007, 008, 013						
Alto	PHOT 031, 035						
	THEA 001, 002, 006, 009, 010, 011, 013						
	Course from another college AP Exam IB						
	ASL 001, 005, 006						
	ENGL 006, 007, 018, 021, 023, 024, 030, 031, 036, 040, 041, 044, 058						
C2	FREN 001, 002, 003, 004, 011, 012, 031, 032						
UZ Humanities	HIMN 001 002 002						
numanities	<b>DUIN</b> UU1, UU2, UU3 <b>DUIN</b> 002 004 011 021 022 022 024						
	<b>FRIL</b> 003, 004 <b>SPAN</b> 001, 002, 003, 004, 011, 031, 032, 033, 034						
	Course from another college AP Exam IB						

C = Completed IP = In Progress; P = Planned; (L) = Lab course;

\* May be used in only one area; # Meets American Institution requirement

## California State University General Education Breadth (CSU GE) Pattern - Option C

		AR	EAD-S	ocial Science	25			
Complete 3 courses from at least 2 different disciplines							IP	Р
	<b>ANTH</b> 002, 007	JOL	JR 011					
	<b>CDFS</b> 038, 040, 05	0,053,070 <b>PH</b> I	<b>L</b> 006					
	CJ 001 PLSC 001, 002, 003, 004, 005, 006, 007, 016, 019							
	<b>COMM</b> 012	PSY	<b>C</b> 001, 002	2,004,005,006,	007, 012, 020, 030, 03	4		
D	<b>COUN</b> 015, 023	SIS	001, 002,	, 030				
	ECON 001, 002	SO(	C 001, 002	2, 023, 040, 045	, 075			
				020 021 027				
	HIST 002, 003, 002	, 005, 010, 017	, 018, 028	5, 029, 031, 037				
	Course from	another college		AD Exam	ID			
				AP Exam			]	
	AR Complete 2 con		ng Learr	ing and Self	Development			
	Complete 3 sen	nester units with	no more t	nan 1 unit of ph		C	ІР	Р
	ATHL 001	003	010	015	022			
	001A,B	003A,B	010A	015A,I	B 022A,B			
	002A-E	004A,B		016A,I	B 025			
	BIO 018*							
	<b>CDFS</b> 038*, 040, 0	150, 054, 070						
Е	COUN 005, 058, 09	98						
_	DANC 004A-D,F,H	,J,K,M,N,P,S,T						
	HED 002, 003							
	KINE 002A,B,D	005С-Е,Ј,К,	M,N,Q- <mark>S</mark>	007D-G	009A-C,E-H,P 078			
	003A,D, E	006A,C,E,F		008A,B,D-F	020V, W			
	NUTR 010, 054							
	<b>PSYC</b> 006, 020, 03		DD214	4 Military Expe	rience			
	Course from	another college	•					
	CSU (	araduation R	equirem	ient in Ameri	ican Institutions			
		(may be	complet	ed prior to tra	nster)			
	Co	mplete 1 course	from each	CSU 1 and CSU 2	2	С	IP	Р
	Со	urses may also b	e used in A	Area C2 and/or D				
CSU 1	<b>PLSC</b> 001, 005							
CSU 2	HIST 017, 018, 02	28, 029, 037						
		SCC Cross-Cu	ltural G	raduation Re	equirement			
	(Exempt if earning an AA-T or AS-T)							r
	Comple	te 1 course whicl	n may be u	ised in one othei	r Area	С	IP	Р
	<b>ART</b> 012	<b>COUN</b> 015		MUSC 013	<b>THEA</b> 013			
scc	<b>CDFS</b> 053	<b>ENGL</b> 036		<b>PLSC</b> 005				
JU	<b>CINA</b> 011	<b>HIST</b> 037		<b>PSYC</b> 007				
	<b>COMM</b> 012	HUMN 003		<b>SJS</b> 002				

C = Completed IP = In Progress; P = Planned; (L) = Lab course;

\* May be used in only one area; # Meets American Institution requirement

### DEGREES AND CERTIFICATES

#### **Certificates of Achievement**

A Certificate of Achievement recognizes a student's satisfactory completion of an organized program of study. A number of certificate programs are offered for students seeking specialized training in specific fields. Students are required to complete each course within the program with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis) and to maintain a grade point average of 2.0 in program coursework. Certificate of Achievement programs differ from degree programs in that students are only required to complete the courses in the field of study; general education coursework is not required. All credits earned in a certificate program may be counted toward the A.A./A.S./AD-T Degree and, in some instances, credit for certificate courses may be transferred to four-year colleges.

To be eligible for a Certificate of Achievement, a minimum of 6 units in the field or a closely related subject must be successfully completed, with a minimum grade of C, at Solano Community College.

Students may be awarded a Certificate of Achievement based on the requirements in this Catalog, or the Catalog in effect at the time of first enrollment, or when the certificate was first offered.

### PROGRAM REQUIREMENTS

#### **Total Units**

A degree requires a minimum of 60 degree-applicable semester units. A minimum of 12 units must be successfully completed, with a minimum grade of C, at Solano Community College. The student must have a 2.0 overall grade point average at the time of graduation.

### **BIOMANUFACTURING BACCALAUREATE DEGREE PROGRAM APPLICATION/ACCEPTANCE REQUIREMENTS**

Currently the Biomanufacturing Bachelor of Science program admits students once per year in the fall. Applications are available online at *http://www.solano.edu/biomanufacturing*.

#### Prerequisite:

ALL of the following requirements must be met in order to APPLY to the Biomanufacturing Bachelor of Science degree program. If you are unsure about any of these items, please meet with an Academic Counselor. For counseling information, please visit http://www.solano.edu/counseling/.

- 1. Overall cumulative grade point average (GPA) of 2.5 for ALL college coursework.
- 2. Completion of, or current Spring semester enrollment in, the following prerequisites with a combined GPA of 2.5 and with no grade less than a C for each of the lower division courses: BIOT 001 (formerly BIOT 051), BIOT 052, BIOT 062, BIOT 063, CHEM 001, BIO 002 and MATH 011.
- 3. Completion of lower division general education CSU/IGETC Option B or Option C program prerequisites (see SCC college catalog).
- 4. Students who have attended college outside the United States must have transcripts evaluated by a National Association of Credential Evaluation Services (NACES) approved independent agency, demonstrating equivalency to the above requirements (1, 2, & 3).
- 5. One Statement of Interest, submitted with your application, explaining why you are interested in the program. Topic below:

Write a Statement of Interest that explains why you would like to complete the Bachelor of Science degree in Biomanufacturing. In this essay, state how your background in the prerequisite courses and/or any job experience has prepared you to succeed in this rigorous program. Emphasize your laboratory background. Include any life experience, special circumstances or barriers that you had to overcome while completing the prerequisite courses.

#### Transcripts:

During the application process, unofficial transcripts may be submitted with the application. Upon admission to the Biomanufacturing Bachelor of Science degree program, you are required to submit one original official transcript in a sealed envelope to the Admissions and Records office from each college and university attended, including Solano Community College, prior to being granted permission to enroll and register for classes in the program.

Please send transcripts to:

Solano Community College Admissions and Records Attn: Biomanufacturing Baccalaureate Admissions 4000 Suisun Valley Road Fairfield, CA 94534-3197

#### **Foreign Transcripts:**

All foreign transcripts must be evaluated by a NACES agency for determining U.S. equivalency. **\*IF foreign courses were completed or degree earned**, the evaluation must state its equivalency to the Prerequisite requirements (1, 2, & 3) listed above. A list of approved agencies can be found in the Admissions and Records Office.

## Chemistry

#### **CHEM 505**

#### 0.0 Units

#### Supplemental Instruction in Chemistry Hours: 16-18 lab

An Open-Entry, open-exit course for students who seek academic support, through supplemental instruction, to fill in missing prerequisite knowledge and strengthen their problem solving skills in the following course/courses: CHEM 160, 010, 011, 012, 001, 002, 003, 004 at Solano Community College.

### **Computer Programming**

#### **Program Description**

This program is designed to prepare the student for employment as a computer programmer trainee.

#### Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement can be obtained upon completion of the 33-unit major. The Associate in Science Degree may be obtained by completing the 33-unit major, SCC General Education - Option A, and electives. All courses in the major must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis.

#### **Program Outcomes**

Students who complete the Computer Programming Certificate of Achievement/Associate Degree will be able to:

- 1. Construct applications that use GUI (graphical user interface) components and access databases for data permanence.
- 2. Develop a programming solution to a data structure problem using object-oriented methodologies and appropriate data structures and algorithms.
- 3. Implement a well-designed, properly normalized relational database after analyzing user requirements and business rules.

#### 

(listed in recommended sequence)	
CIS 001 Introduction to Computer Science	
BUS 092 Business Communication	
CIS 022 Introduction to Programming	
CIS 055 MS Windows Operating Systems	
CIS 023 Data Structures and Algorithms	
CIS 015 Programming in Visual Basic.NET	
CIS 089 Essential Networking Technologies	
CIS 078 Access - Database Management System	
CIS 052 UNIX Operating System	
CIS 020 Assembly Programming	
3 units from Recommended Electives	
Required Major Total Units	33
- ,	

Recommended Electives (select 3 units)	. Units
ACCT 001 Principles of Accounting - Financial	4
ACCT 002 Principles of Accounting - Managerial	4
BUS 005 Introduction to Business	3
CIS 035 Introduction to Java Programming	3
CIS 060 Introduction to the Internet	1.5
CIS 061 Creating Web Pages	3
CIS 066 Microsoft Word	3
CIS 068 Object Oriented Game-	
- Programming with Flash	
CIS 073 Microsoft Excel	3
CIS 080 SQL Database Management Systems	3
OCED 090 Occupational Work Experience	1-8
OCED 091 General Work Experience	1-6

Solano General Education	
Electives (as needed to reach 60 units)	6
Total Degree Units Solano GE	60

Note: Students planning to transfer to a four-year college and major in Management Information Systems/ Computer Science should see a counselor regarding Business Articulation Agreements for a particular university campus.

This is a Gainful Employment Program. For additional information, please visit *http://www.solano.edu/gainful\_employment/* and select "Computer & Info Science: Computer Programming."

#### **CS 104 Programming in Linux** *Hours: 24-27 lab*

0.5 Unit

An initial lab to prepare the student for the intense programming language classes using the Linux operating system. The student will learn how to navigate the Linux operating system as a programmer, install a development environment and utility programs, compile and execute programs, and submit completed assignments for grading.

## CS 105 Programming in Windows 0.5 Unit Hours: 24-27 lab

An initial lab to prepare the student for the intense programming language classes using the Windows operating system. The student will learn how to navigate Windows as a programmer, install a development environment and utility programs, compile and execute programs, and submit completed assignments for grading.

#### CS 110 C++ 1: Fundamentals

3.0 Units

Prerequisite: CS 104 or CS 105 with a minimum grade of C (may enroll concurrently)

Hours: 32-36 lecture, 48-54 lab

An introduction to programming using the C++ language using modern tools in a modern operating system. Course includes hands-on programming of structured algorithms, the study of C++ syntax, and an introduction to structured programming with data definitions and use.

#### CS 112

3.0 Units

#### **C++ 2: Program Design and Data Structures** *Prerequisite: CS 110 with a minimum grade of C*

Hours: 32-36 lecture, 48-54 lab

A further study of the C++ programming language with design principles of object oriented programming and data structures used in process algorithms. Topics include class and pointer instantiation, virtual functions and templates, overloading, linked lists and vectors, stacks and queues, searching and sorting, binary trees, and quality assurance using exception handling.

## CS 114 C++ 3: Project Management 3.0 Units

Prerequisite: CS 112 with a minimum grade of C Hours: 32-36 lecture, 48-54 lab

The application of the C++ programming language in the business, scientific, and entertainment industries. Topics include problem analysis and project design, data and code security, group projects, and project completion and publication. Students will delve deeper into industry specific programming techniques that involve code logic, financial modelling, database interaction, encryption, graphs and trees, and interactive graphics.

#### CS 120 Python 1: Fundamentals

3.0 Units

3.0 Units

3.0 Units

Prerequisite: CS 104 or CS 105 with a minimum grade of C (may enroll concurrently)

Hours: 32-36 lecture, 48-54 lab

An introduction to Python programming using modern tools in a modern operating system. Course includes hands-on programming of structured algorithms, the study of Python++ syntax, and an introduction to object-oriented programming with class definitions and instantiation.

#### CS 122

#### Python 2: Program Design and Data Structures

Prerequisite: CS 120 with a minimum grade of C Hours: 32-36 lecture, 48-54 lab

A further study of the Python programming language with design principles of object oriented programming and data structures used in process algorithms. Topics include class and pointer instantiation, virtual functions and templates, overloading, linked lists and vectors, stacks and queues, searching and sorting, binary trees, and quality assurance using exception handling.

#### CS 124 Python 3: Project Management 3.0 Units

Prerequisite: CS 122 with a minimum grade of C Hours: 32-36 lecture, 48-54 lab

The application of the Python programming language in the business, scientific, and entertainment industries. Topics include problem analysis and project design, data and code security, group projects, and project completion and publication. Students will delve deeper into industry specific programming techniques that involve code logic, financial modelling, database interaction, encryption, graphs and trees, and interactive graphics.

#### CS 130 Java 1: Fundamentals

Prerequisite: CS 104 or CS 105 with a minimum grade of C (may enroll concurrently)

Hours: 32-36 lecture, 48-54 lab

An introduction to programming using the Java programming language using modern tools in a modern operating system. Course introduces the student to object oriented programming, Java language syntax, data definitions and use, language components and libraries, and interface and Graphical User Interface (GUI) components.

## **Computer Science**

#### CS 132

### 3.0 Units

Java 2: Program Design and Data Structures Prerequisite: CS 130 with a minimum grade of C Hours: 32-36 lecture, 48-54 lab

Hours: 32-36 lecture, 48-54 lab

A further study of the Java programming language with design principles of object oriented programming and data structures used in process algorithms. Topics include class and pointer instantiation, virtual functions and templates, overloading, linked lists and vectors, stacks and queues, searching and sorting, binary trees, and quality assurance using exception handling.

#### CS 134 Java 3: Project Management

#### 3.0 Units

Prerequisite: CS 132 with a minimum grade of C Hours: 32-36 lecture, 48-54 lab

The application of the Java programming language in the business, scientific, and entertainment industries. Topics include problem analysis and project design, data and code security, group projects, and project completion and publication. Students will delve deeper into industry specific programming techniques that involve code logic, financial modelling, database interaction, encryption, graphs and trees, and interactive graphics.

#### CJ 080

#### 3.0 Units C.

#### The Criminal Justice System Viewed Through a Multi-Cultural Lens Hours: 48-54 lab

Examines the interaction of law enforcement with various cultures in their respective communities with emphasis on intercultural communications and historical interactions with diverse cultures, races, ethnicities, genders and sexual orientations.

#### CJ 082

#### 3.0 Units

#### Victimology: Victims and The Criminal Justice System Hours: 48-54 lab

A study of crime victims and their interaction with various components of the criminal justice system focusing on the victim's experience within the system. Students will examine data research, various methodologies and victim precipitation theories. The tangible and intangible costs of victimization will also be examined as well as victim services and current trends in the field of victimology.

## Associate in Arts in Elementary Teacher Education for Transfer (ADT: A.A.-T)

#### **Program Description**

The Elementary Teacher Education degree provides a strong liberal studies foundation for students seeking to teach in an elementary school. The coursework is designed to meet the introductory content area subject matter requirements for teaching at the elementary school level.

#### Associate in Arts in Elementary Teacher Education for Transfer

The Associate in Arts in Elementary Teacher Education for Transfer (AA-T) degree is designed specifically for transfer, providing the breadth and depth of coursework necessary for students who seek to study liberal arts and education coursework at the CSU in preparation for a career in elementary school teaching. Students completing this degree (AA-T in Elementary Teacher Education) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AA-T in Elementary Teacher Education will be required to complete no more than 60 units after transfer to earn a bachelor's degree. Students should consult with a counselor for more information on university admission and transfer requirements.

#### To earn the Associate in Arts in Elementary Teacher Education 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 Elementary Teacher Education for Transfer Degree will be able to:

- 1. Apply an understanding of child development theories and ethical standards to the development of a personal teaching philosophy.
- 2. Apply an understanding of how diverse cultural beliefs and social, political, and/or historical context impact form of human expression
- 3. Demonstrate quantitative reasoning skills and an understanding of the scientific method, consistent with elementary level standards.
- 4. Critically evaluate strategies and techniques for working with culturally, linguistically and ethnically diverse populations, including children with special education needs.

REQUIRED COURSES Units	S
CDFS 038 Child Growth and Development	3
EDUC 001 Elementary Teacher Education	2
OCED 090 Occupational Work Experience	1
Liberal Arts and Social Science	7
Science and Math	5
List A	3
List B	6
Total Units	7
LIBERAL ARTS AND SOCIAL SCIENCE Units	s
COMM 001 Introduction to Public Speaking	3
ENGL 001 College Composition	4
ENGL 002 Critical Thinking and Writing About	
Literature	4
GEOG 004 World Geography	3
HIST 002 World History to 1500	3
HIST 017 History of the United States to 1877	3
PLSC 001 Introduction to American Government	
and Politics	2
ENCL 004 Critical Thinking and Composition:	)
ENGL 004 Chucai minking and Composition.	5

SCIENCE AND MATH Units
BIO 015 Introduction to Biology
GEOL 006 Earth Science
GEOL 006L Earth Science Laboratory1
MATH 055 Mathematical Concepts for
Elementary School Teachers – Number Systems 3
PHSC 012 Introduction to Principles of
Physical Science
List A: (Select one course) Units
ART 010 Art Appreciation
DANC 004 Dance Appreciation
MUSC 008 Music Appreciation
THEA 006 Introduction to Theatre
List B: (Select two courses) Units
CDFS 062 Introduction to Early Childhood Education:
Principles and Practices
CDFS 053 Teaching in a Diverse Society
CDFS 064 Observation and Assessment

Required Major Total Units	57
CSU General Education or IGETC Pattern units	37-39
CSU Transferable Electives	
(as needed to reach 60 transferable units)*	1-3
Total Degree Units	60

\*37-39 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.

## Engineering

#### ENGR 014 Introduction to Statistical 4.0 Units Programming in R for Scientists and Engineers

Course Advisory: A minimum grade of C in MATH 011 (may enroll concurrently) and A minimum grade of C in CIS 001 Hours: 48-54 lecture, 48-54 lab

Advances in computing power have enabled scientists to amass huge amounts of data on everything from genetics to climate science, but there is a need for someone to make sense of this data. In this class we will learn how to perform basic statistical analysis such as writing data frames, creating functions, using variables, statements, and loops and employing statistical concepts such as exploratory data analysis, probabilities, hypothesis tests, regression modeling and data visualization, using the statistical software R.

#### ENGR 045 Properties of Materials

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4.0 Units
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Prerequisite: A minimum grade of C in both PHYS 006 and CHEM 001. General Education: Option B: Area 5A, 5C; Option C: Area B1, B3 Transferable to UC/CSU

Hours: 48-54 lecture, 48-54 lab

Covers the application of basic principles of physics and chemistry to the structure and properties of engineering materials. Special emphasis is devoted to the relationship between microstructure and the mechanical properties of metals, polymers and ceramics, and the electrical, magnetic, and optical properties of materials. Possible field trips. (C-ID ENGR 140 B)

C-ID Designation may change periodically; visit c-id.net/courses/search for current designation or consult with your counselor

### Fire Technology

#### **Program Description**

This program was established under direction of Solano County fire protection agencies and offers both an intensive training course culminating in a Certificate of Achievement and a well-rounded educational program leading to the Associate in Science Degree. Instructors in this program are experienced members of the fire service field. In addition, a Fire Technology Academy for recently recruited fire service personnel and pre-service students is conducted periodically. The curriculum consists of courses selected from the regular fire technology course offerings.

#### Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement can be obtained upon completion of the 30-45-unit major. The Associate in Science Degree can be obtained upon completion of the 30-42-unit major, SCC General Education - Option A, and electives. All courses in the major must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis.

#### **Program Outcomes**

Students who complete the Fire Technology Certificate of Achievement/Associate Degree will be able to:

- 1. Demonstrate the ability to analyze, appraise and evaluate fire and emergency incidents and identify components of emergency management and fire fighter safety.
- 2. Identify and comprehend laws, regulations, codes and standards that influence fire department operations, and identify regulatory and advisory organizations that create and mandate them, especially in the areas of fire prevention, building codes and ordinances, and firefighter health and safety.
- 3. Analyze the causes of fire; determine extinguishing agents and methods; differentiate the stages of the fire and fire development; and compare methods of heat transfer.
- 4. Identify and describe common types of building construction and conditions associated with structural collapse and fire fighter safety.

REQUIRED COURSES	Units
FIRE 050 Principles of Emergency Services	3
FIRE 051 Fire Behavior & Combustion	3
FIRE 053 Fire Prevention Application	3
FIRE 054 Fire Protection Systems	3
FIRE 056 Building Construction as it Relates to	
the Fire Service	3
FIRE 101 Principles of Fire and Emergency Services	
Safety and Survival	3
12-27 units from Recommended Electives	12
Required Major Total Units	.30-45

Recommended Electives: (select 12-27 units)	Units
FIRE 140 Fire Technology Academy	24
EMT 112 Emergency Medical Technician (Basic)	7
EMT 128 Emergency Medical Responder	3
OCED 090 Occupational Work Experience	1-8
Solano General Education	21
Electives (as needed to reach 60 units)	0-9
Total Degree Units Solano GE	60-63

This is a Gainful Employment Program. For additional information, please visit *http://www.solano.edu/gainful\_employment/* and select "Fire Technology."

## FIRE 050Principles of Emergency Services3.0 UnitsTransferable to CSU

Hours: 48-54 lecture

An overview of fire protection; career opportunities in the fire service and related fields; history of fire service and fire protection; fire organization and management; function of public and private protection services; fire departments as part of local government; fire prevention and investigation; building construction; specific fire protection functions; fire and emergency service apparatus and facilities; and introduction to fire protection systems. This is a Fire Technology core course and must be completed with a minimum grade of C in order to receive an Associate Degree or Certificate of Achievement in Fire Technology.

# FIRE 051Fire Behavior & Combustion3.0 UnitsTransferable to CSUHours: 48-54 lecture

Provides the student with fundamental information and knowledge of the physical and chemical characteristics of matter, fire, hazardous materials, weapons of mass destruction identification and basic extinguishment theory. This is a Fire Technology core course and must be completed with a minimum grade of C in order to receive an Associate Degree or Certificate of Achievement in Fire Technology. Field Trip may be required.

#### Human Services

#### **Program Description**

This program is designed to equip students with the basic knowledge and skills necessary for the variety of jobs in the field of Human Services and Social Work. These courses are intended to provide entry-level skills and training for students who are interested in employment in mental health, social welfare, developmental services, corrections, alcohol and drug treatment, or child/adolescent treatment services.

#### Certificate of Achievement and Associate of Arts Degree

A Certificate of Achievement can be obtained upon completion of the 23-unit major. The Associate of Arts Degree can be obtained upon completion of the 23-unit major, SCC General Education -Option A, and electives. All courses in the major must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis.

this degree.

#### **Program Outcomes**

Students who complete the Human Services Certificate of Achievement/Associate Degree will be able to:

- 1. Develop basic knowledge within the field of Human Services.
- 2. Develop cultural competence.
- 3. Develop group facilitation skills.
- 4. Develop case management skills.
- 5. Apply basic Human Services knowledge and skills in community settings.

REQUIRED COURSES Units
(listed in recommended sequence)
HS 001 Introduction to Human Services
COUN 062 Helping Skills:
Creating Alliances & Facilitating Change**
HS 053 Serving Special Populations
HS 055 Introduction to Case Management
COUN 064A Practicum I**
HS 054 Introduction to Group Processes
COUN 064B Practicum II**
Required Major Total Units 23

\*\*See Counseling section for COUN course descriptions

This is a Gainful Employment Program. For additional information, please visit *http://www.solano.edu/gainful\_employment/* and select "Human Services."

## Human Services

#### HS 054 Introduction to Group Processes

Prerequisite: HS **001** with a minimum grade of C Course Advisory: COUN 062 with a minimum grde of C Transferable to CSU Hours: 48-54 lecture

An introduction to the theory and dynamics of group interaction including psychoeducational, support and therapeutic context. The various stages and processes of group development are studied using both a conceptual and experiential approach. This course is intended to assist persons who will function as leaders in a variety of small group situations.

3.0 Units

### Wellness and Self Development

#### **Program Description**

This major is designed to equip students with the informative tools to support education in lifelong wellness and selfdevelopment. Students will be well acquainted with the vast landscape of wellness, self development, while considering the psychological, biological, developmental, and physical factors involved. They will be able to make more effective decisions about optimizing their own wellness, lifestyle and performance.

#### Associate in Arts Degree

The Associate in Arts Degree can be obtained by completing the 18-unit major, SCC General Education - Option A, and electives. All courses for this major must be completed with a minimum grade of C or a P if the course is taken on a Pass/No Pass basis. Courses selected cannot be used to fulfill general education.

#### **Program Outcomes**

Students who complete an Associate Degree will be able to:

- 1. Apply the theories of Wellness and Self Development with attention to personal, professional growth and vocational/life purpose.
- 2. Apply understanding of personal self and others to gain insight in both a psychological and biological perspective, thereby, enhancing personal wellness and community relationships.
- Acquire a knowledge base that encourages lifelong learning for students to effectively adapt to a complex and changing society.

REQUIRED COURSES	Units
3 units from Wellness Required	3
3 units from Self Development Required	3
3 units of any Wellness course(s)	3
3 units of any Self Development course(s)	3
6 units of any Wellness and/or	
Self Development course(s)	6
**courses may only be used one time within the major	
Required Major Total Units	18

#### Wellness

<b>Required</b> (select a minimum of one course)	
HED 002 Health Education	3
HED 003 Women's Health Issues	3
KINE 057 Introduction to Sports Psychology	
NUTR 010 Nutrition	3

#### Electives

ATHL\* 001, 002A, 002B, 003, 004, 010, 015, 016A, 016B, 022 BIO 004, 005, 016, 018, 020 CDFS 054 DANC 004, 004A, 004B, 004C, 004D, 004E, 004F, 004G, 004H, 004J, 004K, 004M, 004N, 004P, 004S, 004T KINE 020A, 020S, 020V, 020W KINE Activity\*: 002A, 002B, 002D, 003A, 003D, 003E, 005C, 005J, 005K, 005M, 005N, 005P, 006A, 006C, 006D, 006E, 006F, 007F, 008A, 008B, 009B, 009H, 009P, 078 NUTR 054

\*Maximum 3 units of DANC, KINE, or ATHL activity courses

#### Self Development

<b>Required</b> (select a minimum of one course)	
COUN 005 Career-Life Planning	3
COUN 007 College Study Techniques	3
COUN 015 Valuing Diversity	3
COUN 023 Psychology for Modern Life	3
PSYC 020 Personal and Social Behavior	3

#### Electives

CDFS 038, 040, 050, 070 COMM 001, 008, 010 COUN 058, 062 HS 001, 053, 054 OCED 070, 071 PSYC 001, 005, 006, 012, 034, 040 SJS 002, 030

Solano General Education	
Electives (as needed to reach 60 units)	21
Total Degree Units Solano GE	60

### 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. Identify major microscopic and gross structures of the major systems of the human body.
- 2. Describe normal physiological processes.
- 3. Describe the different sub disciplines of Kinesiology.
- 4. Describe the role of physical activity in daily life.
- 5. Explain the career options available to students graduating from departments of Kinesiology

REQUIRED COURSES	. Units
BIO 004 Human Anatomy	5
BIO 005 Introductory Physiology	5
KINE 020A Introduction to Kinesiology	3
Two courses from List A	6-10
3 units from Movement-based courses	
(maximum of one course from any group)	3
Required Major Total Units	22-26

List A (select two courses, only one from same

subject such as CHEM or PHYS)	Units
BIO 016 Introduction to Human Biology	3
CHEM 001 General Chemistry	5
CHEM 012 Chemistry for Health Services	5
KINE 020S Advanced First Aid and Emergency C	are 3
MATH 011 Elementary Statistics	4
PHYS 002 General Physics (Non-calculus)	5
PHYS 006 Physics for Science and Engineering	5

CSU General Education or IGETC Pattern Units 37-39	)			
CSU Transferable Electives (as needed to reach				
60 transferable units)*1-12	2			
Total Degree Units60	)			

\*6-12 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

## **Mathematics**

#### MATH 002

#### 4.0 Units

Algebra for Calculus (College Algebra)

Prerequisite: MATH 104 with a minimum grade of C or a Multiple Measures Evaluation. MATH 104 with a minimum grade of C is highly recommended for students who have not completed Algebra 2 or Integrated Math III in high school with a minimum grade of C. General Education: Option A: Area D2; Option B: Area 2; Option C

Area B4 Transferable to UC/CSU Hours: 64-72 lecture

Develops the skills and introduces the concepts necessary for further study in mathematics, and facilitate the application of those skills and concepts to other fields. Included is a review of elementary set algebra; the algebra of functions; the real and complex numbers as a field; algebraic, exponential, and logarithmic functions; equations and inequalities of these functions; solution of linear systems, matrix algebra, and introduction to sequences and series. (C-ID MATH 151)

#### **MATH 055**

#### 3.0 Units

#### Mathematical Concepts for Elementary School Teachers

Prerequisite: MATH 104 or MATH 112 with a minimum grade of C or Successful completion of two years of high school algebra or recommendation of a counselor or math instructor based on a Multiple Measures Evaluation.

General Education: Option C: Area B4 Transferable to **UC/**CSU Hours: 48-54 lecture.

Focuses on the development of quantitative reasoning skills through in-depth, integrated explorations of topics in mathematics, including real number systems and subsystems. Emphasis is on comprehension and analysis of mathematical concepts and applications of logical reasoning. (C-ID MATH 120)

C-ID Designation may change periodically; visit c-id.net/courses/search for current designation or consult with your counselor

## Music

#### MUSC 001 Beginning Theory I

4.0 Units

Prerequisite: MUSC 005 with a minimum grade of C Course Advisory: MUSC 028 Transferable to UC/CSU Hours: 64-72 lecture

A study of diatonic scales and triads, intervals, diatonic chords, basic harmonic progressions and cadences, part writing, rhythm and meter, sight singing, ear training, dictation, history and performance. Short creative assignments are included to provide experience in the application of materials learned in class. It includes analysis and composition and is required for music majors. (C-ID MUS 120; MUS 125)

C-ID Designation may change periodically; visit c-id.net/courses/search for current designation or consult with your counselor

## **Political Science**

#### PLSC 007 International Relations

#### 3.0 Units

Course Advisory: PLSC 001 with a minimum grade of C General Education: Opt. A: Area B1; Opt. B: Area 4; Opt C: Area D Transferable to UC/CSU Hours: 48-54 lecture

An introduction to international relations theory with an examination of national, international, transnational, and sub-national actors and their institutions, interactions and processes as they relate to global issues. Designed to give students a foundation for the study of international relations, it provides a backdrop to understanding global interdependence, its causes and consequences. Included are political, economic, historical, philosophical, cultural, geographical, and environmental dimensions of interdependence. (Formerly IR 001) *(C-ID POLS 140)* 

## Theatre Arts

#### **THEA 027B**

#### 3.0 Units

#### **Technical Theatre in Production Show Run Crew - Drama** *Transferable to UC/CSU Hours: 144-162 lab*

A practicum course oriented for the student to work with the unique technical requirements as used in a dramatic production such as, realistic and period scenic design elements: architecture as well as natural settings. Students will gain practical experience in the application of production responsibilities in any of the following for live show running crews: Properties, Costume, Lighting, Sound, Stage Management and house management. Students are given an increasing level of responsibility in accordance with their individual abilities. *(C-ID THTR 192)* 

C-ID Designation may change periodically; visit c-id.net/courses/search for current designation or consult with your counselor

Page # Catalog	Page # Addendum	Course/Program/Heading	In Printed 2018-2019 Catalog	Spring 2019 Addendum
26	3	Getting Started – Dropping Classes	Non-attendance or non-payment of fees does not guarantee removal of students from a course nor alleviate student's responsibility to pay fees.	Students are responsible for paying all applicable fees each semester of attendance. Failure to pay fees may result in a hold on the student's account.
58	4	Transfer – Credit-By-Examination	have completed a minimum of 12.0 units in residence or will have completed a minimum of 12 semester units by the end of the current semester, exclusive of units to be earned by the credit-by- examination	have successfully completed, with a minimum grade of C, a minimum of 12 units in residence or will have successfully completed, with a minimum grade of C, a minimum of 12 units by the end of the current semester, exclusive of units to be earned by the credit-by-examination.
	4	Credit for Prior Learning		Credit for prior learning may be earned for eligible courses approved by the District for students who satisfactorily pass an authorized assessment. Authorized assessments may include the evaluation of approved external standardized examinations, Joint Services Transcripts, student-created portfolios, and credit by examination.
59	5	Transfer – CLEP		See page 5
60	6-7	Transfer – AP		See pages 6-7
61	8	Transfer – IB		See page 8
64-66	9-11	C-ID		Add: ARD 044 = C-ID ARTS 250 CDFS 054 = C-ID ECE 220 CIS 020 = C-ID COMP 142 CIS 023 = C-ID COMP 132 ENGR 045 = C-ID ENGR 140 B GEOL 006 = C-ID GEOL 120 GEOL 006 + GEOL 006L = C-ID GEOL 120 L PHSC 013 = C-ID GEOG 130 PHSC 014 + PHSC 014 = GEOG 130
74-75	12-13	General Education CSU GE Breadth – Option C		Add: PHYS 002(L) to Area B1 COUN 058 to Area E KINE 005S to Area E
77	14	Graduation Requirements – Certificates of Achievement	To be eligible for a Certificate of Achievement, at least 6 semester units in the field or a closely related subject must be completed at Solano Community College.	To be eligible for a Certificate of Achievement, a minimum of 6 units in the field or a closely related subject must be successfully completed, with a minimum grade of C, at Solano Community College.
78	15	Graduation Requirements – Total Units	A degree requires a minimum of 60 degree-applicable semester units. At least 12 semester units must be completed at Solano Community College. The student must have a 2.0 overall grade point average at the time of graduation.	A degree requires a minimum of 60 degree- applicable semester units. A minimum of 12 units must be successfully completed, with a minimum grade of C, at Solano Community College. The student must have a 2.0 overall grade point average at the time of graduation.
165	16	Biomanufacturing		Prerequisite: Add MATH 011
	17	Chemistry		New Course: CHEM 505 Supplemental Instruction in Chemistry
	18	Computer Information Science – Computer Programming Certificate/Associate in Science		Remove CIS 068, Object Oriented Game Programming with Flash, from the programs
	19-20	Computer Science		New Courses: CS 104 Programming in Linux CS 105 Programming in Windows CS 110 C++ 1: Fundamentals CS 112 C++ 2: Program Design and Data Structures CS 114 C++ 3: Project Management CS 120 Python 1: Fundamentals CS 122 Python2: Program Design and Data Structures CS 124 Python 3: Project Management CS 130 Java 1: Fundamentals CS 132 Java 2: Program Design and Data Structures CS 134 Java3: Project Management

Page #	Page #	Course/Program/Heading	In Printed 2018-2019 Catalog	Spring 2019 Addendum
Catalog	Addendum	Criminal Justico		Now Courses:
	21	ci iliniai justice		CL080 The Criminal Justice System Viewed
				Through a Multi-Cultural Lens
				CJ 082 Victimology: Victims and The Criminal
				Justice System
214	22-23	Education –		Add DANC 004, Dance Appreciation, to List A
		Associate in Arts in Elementary Teacher		
		Education for Transfer (ADT: A.AT)		
	24	Engineering		New Course:
				ENGR 014 Introduction to Statistical
24.0				Programming in R for Scientists and Engineers
218	24	Engineering		ENGR 045 = C-ID ENGR 140 B
	25	Fire Technology		Fix accidental omission:
				Associate in Science
253	26	Human Services		Remove CSU GE/IGETC nattern ontions from
233	20			local degree
254	27	Human Services	HS 054: Prerequisite: HS 051 with a	HS 054: Prerequisite: HS 001 with a minimum
			minimum grade of C	grade of C
255	28	Interdisciplinary Studies: Wellness and Self Development		Update courses – See page 27
263	29	Associate in Arts in Kinesiology for	*6-15 units may be double counted	*6-12 units may be double counted toward both
		Transfer (ADT: A.AT)	toward both the major area	the major area of emphasis and CSU General
			of emphasis and CSU General Education	Education or IGETC Pattern. Consult with a
			or IGETC Pattern.	this degree
			information on completing	
			this degree	
280	39	Mathematics	MATH 002 = C-ID MATH 955	MATH 002 = C-ID MATH 151
282	30	Mathematics	MATH 055 – Transferrable to CSU	MATH 055 – Transferrable to UC/CSU
289	31	Music	MUSC 001 Beginning Theory I 4.0 Units	MUSC 001 Beginning Theory I 4.0 Units
			Course Advisory: MUSC 027 or	Prerequisite: A minimum grade of C in MUSC
			knowledge of musical notation	005 and MUSC 028 Transferable to UC/CSU
			Transferable to UC/CSU	Hours: 64-72 lecture
			Hours: 64-72 lecture	A study of diatonic scales and triads, intervals,
			Study of diatonic scales and triads,	diatonic chords, basic harmonic progressions
			intervals, diatonic chords, basic	and cadences, part writing, rhythm and meter,
			narmonic progressions and cadences,	sight singing, ear training, dictation, history and
			part writing, rnythm and meter, sight	included to provide experience in the
			and performance. Short creative	application of materials learned in class. It
			assignments are included to provide	includes analysis and composition and is
			experience in the application of	required for music majors. (C-ID MUS 120: MUS
			materials learned in class. It includes	125)
			analysis and composition and is	
			required for music majors.	
			(C-ID MUS 120; MUS 125)	
326	32	Political Science		PLSC 007 = C-ID POLS 140
350	33	Theatre Arts		THEA 027B = C-ID THTR 192