2016 General Catalog Addendum

This catalog addendum reflects updates and corrections to the 2015-16 catalog.
New and modified program and courses are effective Spring 2016.
The complete catalog covers Summer semester (June-August 2015);
Fall semester (August-December 2015); and Spring semester (January-May 2016).
Catalog Revised 9/24/2015

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) 863-7872

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) 863-7878

General Information

Welcome!

Dear Students and Supporters of
Solano Community College:

Since 1945, Solano Community College has been
providing opportunities for the residents of Solano
County to enhance their lives. With support from our
citizens, we are enhancing our capacity to serve you
better and more conveniently.

This catalog will provide you with the information to
guide you in pursuing your educational goals. Our faculty
works diligently to create courses and programs that will
meet your needs for transfer, career preparation, or
personal enrichment. They want you to succeed at every
step. The members of our professional staff are ready and
eager to serve you. They are well equipped to help guide
you through your studies.

Whether your goal is an Associate in Arts Degree, an
Associate in Science Degree, a Certificate of Achievement
or a Job Direct Certificate, we know we can help you
succeed. With over 80 Associate Degrees and over 50
Certificates of Achievement to choose from, you have a
great opportunity to launch your future in Solano
County.

Your success is our business. We invite you to join us at
Solano Community College for a life-changing
experience.

Welcome!

Stan Arterberry,
Interim Superintendent/President.

Solano Community College

Solano Community College is a tradition in Solano County.
Established in 1945 as Vallejo Junior College, Solano was
part of the Vallejo Unified School District until 1967 when
the College became a countywide institution. The 192-acre
campus, centrally located just off Interstate 80, was
completed in 1971 and opened with 5,000 students. Since
then, facilities, programs, staff and services have expanded
to meet the growing needs of a growing county.

Solano College is part of California's public community
college system of 113 campuses in 72 districts across the
state. The College's service area encom-passes the
communities of Benicia, Dixon, Fairfield, Suisun, Vacaville,
Vallejo and Travis Air Force Base as well as Winters in Yolo
County. Many graduates of the area's 16 public high schools
and three private schools take advantage of the educational
opportunities offered by Solano Community College.

Solano's classes are held during two semesters each year
(spring and fall) and summer sessions. The College offers
expanded learning opportunities. Flexible scheduling,
designed for students' convenience, including day, evening,
and Saturday classes, held both on and off campus, online,
home study and travel study. Short-term classes, open-
entry/open-exit formats, and special interest workshops
and seminars add to this scheduling flexibility.

With the current student population of over 12,000 almost
evenly divided between day and evening, the Solano College
campus is alive at all hours offering academic study and
occupational training to all area residents.

Campus Information

ACADEMIC SUCCESS CENTER (ASC) Academic Success Center (ASC) serves as a center to encourage and facilitate academic success through support services for students. These services include help navigating the bureaucracy (e.g. the website, application for admission, enrollment in classes); financial aid; transfer. In addition, the ASC provides information about other important campus support resources; a quiet study space; use of laptop computers and printer; academic success workshops (e.g. study skills, exam preparation, time management, research and writing papers). It also serves to provide high quality faculty development opportunities and instructional resources. The Academic Success Center is located in Room 101 on the Main Campus in Fairfield, Room 137 at the Vacaville Center, and Room 124 at the Vallejo Center.

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 *
2001 N. Village Parkway, Vacaville
Counseling services available

Vacaville Annex
2000 North Village Parkway, Vacaville

Vallejo Center *
545 Columbus Parkway, Vallejo
Counseling services available

Travis Airforce Base (TAFB)*
Travis University Center
Building 249 at 530 Hickman, 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
1301 Georgia Street, Vallejo

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

Various high school locations throughout the region

California State Prison (CSPS), Vacaville
(classes at CSPS are currently not open to the general public)

360 Campus lane (2nd Floor)
Fairfield

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.

Admission and Registration

STUDENT SUCCESS AND SUPPORT PROGRAM (SSSP)

Matriculation is a process that brings students and their college into an agreement about the choices and processes needed for the student to realize his or her educational objectives. The agreement acknowledges the responsibilities and rights of both parties. As part of its on-going Matriculation Program, Solano Community College provides a full range of easily used services, including:

- Admission to the College
- Testing in Writing and Reading
- Orientation to the College
- Assessment of abilities and interests
- Counseling and advising
- Registration for courses
- Follow-up of student progress
- Various support services

Each student has the following responsibilities regarding matriculation services:

- Express a general educational goal at the time of admission
- Meet with a counselor to discuss academic choices and to develop an educational plan
- Identify a specific educational goal by the completion of 15 semester units of degree-applicable, credit coursework
- Attend classes and complete assigned course work
- Maintain progress toward the specified educational goal

The College has the following responsibilities:

- Use multiple sources of information, in addition to test results, as the basis of assessment for counseling/advisement
- Provide special accommodations for ethnic and language minority students and students with learning or physical disabilities
- Provide a mechanism for changing a specified educational goal
- Inform students of their responsibilities and rights regarding matriculation services
- Upon request, provide students with written District procedures concerning challenges, complaints or appeals of matriculation services

The student has the right, and is strongly encouraged, to receive all matriculation services provided by the College. The student also has the right to refuse any or all of these services.

Exemptions: The following students are exempt from matriculation:

- Students who have completed an Associate Degree or higher
- Students who seek to enroll only in non-credit courses
- Students indicating an educational goal of:
  - Job Skills – to maintain current job
  - Personal Interest – not for employment
  - Complete credits for High School
  - Maintain a Certificate or License (for example, in Nursing, Real Estate)

ADMISSION TO THE COLLEGE

Admission to Solano Community College is open to anyone who is a high school graduate, has a high school equivalency certificate, or is 18 years of age or older, and shows evidence of being able to benefit from instruction. All inquiries concerning application, admission and registration should be sent to the Solano Community College Admissions and Records Office, 4000 Suisun Valley Road, Fairfield, CA 94534.

APPLICATION FOR ADMISION

Applications for admission with detailed instructions are available on the college Web site at **www.solano.edu**.

An application must be submitted if a student is:

1. A new student entering Solano Community College for the first time, or
2. A returning (former) student who did not attend Solano during the prior semester, or
3. An international student (**www.solano.edu/international/apply.php**), or
4. A student in grades K-12 enrolled in a public or private school seeking special admission.
5. All domestic students should apply online at **www.solano.edu** . Click "MySolano."

Job Direct Certificates

Job direct Certificates are awarded in the following fields to students who satisfactorily complete a fast-track program to prepare them for employment:

Account Clerk
   (see Accounting major)
Computer Aided Drafting
   (see Drafting major)
Certified Nursing Assistant
   (see Nursing major)
Computer Applications Specialist
   (see Computer & Information Science major)
Database Specialist
   (see Computer & Information Science major)
Drafting Technology
   (see Drafting major)
Emergency Medical Technician I
   (see Nursing major)
Fitness Professional
   (see Physical Education/Athletics major in
   Kinesiology)
Insurance Specialist
   (see Business-Insurance: Property &
   Casualty major)
Landscape Worker
   (see Horticulture major)
Medical Office and Coding Specialist
   (see Office Technology major)
Medical Front Office Clerk
   (see Office Technology major)
Web Developer
   (see Computer & Information Science major)
Web Programmer
   (see Computer & Information Science major)
Welding Equipment Operator
   (see Welding major)
Wildland Fire Technology
   (see Fire Technology major)

Counselors, faculty, and administrators are glad to answer any questions about these programs. Requirements for the above programs are listed in the following section of this catalog.

Program Degrees and Certificates

	Assoc Degree	Certificate		Assoc Degree	Certificate
Accounting	•	•	**Interdisciplinary Studies (with Emphasis)**		
Aeronautics			Arts and Humanities	•	
Airframe Maintenance Technician	•	•	Communication	•	
Powerplant Maintenance Technician	•	•	Science and Quantitative Reasoning	•	
Anthropology for Transfer	•		Social Science	•	
Art			Wellness and Self-Development	•	
Art History	•		**International Relations**	•	
Art History for Transfer	•		**Interior Design**	•	•
Two Dimensional	•		**Journalism**	•	
Three Dimensional	•		**Journalism for Transfer**	•	
Studio Arts for Transfer	•		**Kinesiology**		
Graphic Design & Illustration	•		Physical Education	•	
Automotive			Sports Medicine/Fitness Science (Transfer)	•	
Body & Repair	•	•	**Kinesiology for Transfer**	•	
Technician	•	•	**Management**	•	•
Biology	•		Small Business Management	•	•
Biotechnology, Applied		•	Retail Management	•	•
Biotechnology, Industrial	•	•	**Marketing**	•	•
Business Administration for Transfer	•		**Mathematics**	•	
Business, General (Transfer)		•	Mathematics for Transfer	•	
Business-Insurance: Property & Casualty	•	•	**Music**		
Chemistry	•		Instrumental	•	
Communication Studies			Theory-Composition	•	
Communication Studies for Transfer	•		Vocal	•	
Computer & Information Science			**Nursing, Registered**	•	
Computer Programming	•	•	**Office Technology**		
Microcomputer Applications	•	•	Administrative Assistant	•	•
Web Development and Administration	•	•	Medical Front Office Clerk		•
Cosmetology	•	•	Medical Office and Coding Specialist	•	•
Criminal Justice			**Photography, Professional**	•	•
Corrections	•	•	**Physics**	•	
Law Enforcement	•	•	**Physics for Transfer**	•	
Computer Forensics	•	•	**Political Science for Transfer**	•	
Criminal Justice for Transfer	•		**Psychology**	•	
Drafting and Design Technician	•	•	**Psychology for Transfer**	•	
Survey and Civil Drafting Technician	•	•	**Real Estate**	•	•
Early Childhood Education	•	•	**Science, General**	•	
Early Childhood Education for Transfer	•		**Spanish for Transfer**	•	
English	•		**Social Science**	•	
English for Transfer	•		**Sociology**	•	
Ethnic Studies	•		Sociology for Transfer	•	
Film and Television	•		**Theatre Arts**	•	
Fire Technology	•	•	**Theatre Arts for Transfer**	•	
Foreign Languages, General	•		**University Studies - (With Emphasis)**		
Foreign Languages, Individual			Arts and Humanities	•	
French	•		Communication	•	
German	•		Liberal Studies with Emphasis on Education	•	
Spanish	•		Science and Quantitative Reasoning	•	
Geography for Transfer	•		Social Science	•	
History	•		**Water & Wastewater Technology**	•	•
History for Transfer	•		**Welding**		
Horticulture and Plant Science	•	•	Industrial Technician	•	•
Human Services	•	•	Technician	•	•
Industrial Education					
Mechatronics	•	•			

** Communications Studies formerly Speech; Child Development and Family Studies formerly
Human Development and Early Childhood Education; Kinesiology formerly Physical Education*

Course Identification Numbering System (C-ID)

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 similar course offered by participating California colleges and universities. Thus, if a catalog lists a C-ID Designator for a course, students can be assured that the course will be accepted at another California Community College that offers a course with the same C-ID Designator.

The C-ID Numbering System is particulary 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.

Below is the list of Solano Community College courses that currently have a C-ID designator.

Solano Community College		C-ID Designator
Accounting		
ACCT 001	Financial Accounting	ACCT 110
ACCT 002	Managerial Accounting	ACCT 120
Anthropology		
ANTH 001	Physical Anthropology	ANTH 110
ANTH 007	Archaeology	ANTH 150
Art		
ART 002	Art History	ARTH 120
ART 003A	Arts of Asia	ARTH 130
ART 003B	Arts of Africa, Oceana, and the Americas	ARTH 140
ART 006	Design Principles in 2-Dimensions	ARTS 100
ART 007	Design-Color	ARTS 270
ART 008	Design Principles in 3-Dimensions	ARTS 101
ART 015	Intermediate Drawing	ARTS 205
Biology		
BIO 004	Human Anatomy	BIOL 110B
BIO 005	Human Physiology	BIOL 120B
Business		
BUS 018	Legal Environment of Business	BUS 120
Child Development and Family Studies		
CDFS 038	Child Growth and Development	CDEV 100
CDFS 050	Child, Family and Community	CDEV 110
CDFS 053	Teaching in a Diverse Society	ECE 230
CDFS 054	Child Health, Safety, and Nutrition	ECE 220
CDFS 062	Introduction to Early Childhood Education: Principles and Practices	ECE 120
CDFS 063	Introduction to Curriculum	ECE 130
CDFS 064	Observation and Assessment	ECE 200
CDFS 065	Early Childhood Education	ECE 210

Solano Community College		C-ID Designator
Computer Information Science		
CIS 021	Discrete Structures for Computer Science	COMP 152
CIS 022	Introduction to Programming	COMP 122
Criminal Justice		
CJ 001	Introduction to Criminal Justice	AJ 110
CJ 002	Concepts of Criminal Law	AJ 120
CJ 011	Community Relations	AJ 160
CJ 051	Criminal Investigation	AJ 140
CJ 053	Legal Aspects of Evidence	AJ 124
CJ 056	Juvenile Procedures	AJ 220
Communication Studies		
COMM 001	Introduction to Public Speaking	COMM 110
COMM 002	Fundamentals of Persuasive Speaking	COMM 190
COMM 012	Intercultural Communication	COMM 150
COMM 015	Oral Interpretation of Literature	COMM 170
COMM 050	Forensics/Speech Workshop	COMM 160B
Economics		
ECON 001	Principles of Economics (Macroeconomics)	ECON 202
ECON 002	Principles of Economics (Microeconomics)	ECON 201
English		
ENGL 002	Critical Thinking and Writing About Literature	ENGL 110
ENGL 006	Creative Writing 1	ENGL 200
ENGL 030	Survey of American Literature I	ENGL 130
ENGL 031	Survey of American Literature II	ENGL 135
ENGL 040	Survey of English Literature I	ENGL 160
ENGL 041	Survey of English Literature II	ENGL 165

Course Identification Numbering System (C-ID)

Solano Community College		C-ID Designator
Geography		
GEOG 001	Physical Geography	GEOG 110
GEOG 001L	Physical Geography Lab	GEOG 111
GEOG 002	Cultural Geography	GEOG 120
GEOG 004	World Geography	GEOG 125
GEOG 006	California Geogrpahy	GEOG 140
GEOG 010	Introduction to Geographic Information Systems	GEOG 155
Geology		
GEOL 001	Physical Geology	GEOL 100
GEOL 002	Geology Laboratory	GEOL 100L
GEOL 010	Introduction to Geographic Information Systems	GEOG 155
History		
HIST 002	World History to 1500	HIST 150
HIST 003	World History Since 1500	HIST 160
HIST 004	History of Western Civilization to 1500	HIST 170
HIST 005	History of Western Civilization Since 1500	HIST 180
HIST 017	History of the United States to 1877	HIST 130
HIST 018	History of the United States from 1865	HIST 140
Journalism		
JOUR 001	Newswriting and Reporting	JOUR 110
JOUR 011	Introduction to Mass Communication	JOUR 100
JOUR 060	Publications Laboratory	JOUR 130
JOUR 061	Publications Laboratory II	JOUR 131
Kinesiology		
KINE 020S	Advanced First Aid and Emergency Care	KIN 101
Mathematics		
MATH 011	Elementary Statistics	MATH 110
MATH 021	Analytic Geometry and Calculus II	MATH 220
MATH 023	Differential Equations	MATH 240
MATH 040	Introduction to Linear Algebra	MATH 250

Solano Community College		C-ID Designator
Music		
MUSC 001	Theory 1	MUS 120
	Musicianship I	MUS 125
MUSC 002	Theory 2	MUS 130
	Musicianship II	MUS 135
MUSC 003	Theory 3	MUS 140
	Musicianship III	MUS 145
MUSC 004	Theory 4	MUS 150
	Musicianship IV	MUS 155
MUSC 005	Music Fundamentals	MUS 110
MUSC 009	Wind Ensemble	MUS 180
MUSC 010	Concert Band	MUS 180
MUSC 014	Jazz Ensemble	MUS 180
MUSC 015	Stage Band	MUS 180
MUSC 016	Symphony Orchestra	MUS 180
MUSC 017	Chamber Orchestra	MUS 180
MUSC 020	Choir	MUS 180
MUSC 024	Master Works Chorale	MUS 180
MUSC 025	Chamber Choir	MUS 180
MUSC 026	Vocal Jazz Ensemble	MUS 180
Nutrition		
NUTR 110	Nutrition	NURT 110
Photography		
PHOT 056	Photojournalism & Documentary Photography	JOUR 160
Physics		
PHYS 002	General Physics (Non-calculus)	PHYS 105
PHYS 004	General Physics (Non-calculus)	PHYS 110
PHYS 006	Physics for Science and Engineering	PHYS 205
PHYS 007	Physics for Science and Engineering	PHYS 210
PHYS 008	Physics for Science and Engineering	PHYS 215
Political Science		
PLSC 001	Introduction to American Government and Politics	POLS 110
PLSC 002	Introduction to Comparative Government	POLS 130
PLSC 003	Introduction to International Politics	POLS 140
PLSC 004	Introduction to Political Science	POLS 150
PLSC 006	Introduction to Political Philosophy	POLS 120
Psychology		
PSYC 001	Introduction to Psychology	PSY 110
PSYC 002	Biological Psychology	PSY 150
PSYC 004	Research Methods in Behavioral Science	PSY 200

Course Identification Numbering System (C-ID)

Sociology

SOC 001	Introduction to Sociology	SOCI 110

Spanish

SPAN 001	First Semester Spanish	SPAN 100
SPAN 001S	Spanish for Spanish Speakers 1	SPAN 220
SPAN 002	Second Semester Spanish	SPAN 110
SPAN 002S	Spanish for Spanish Speakers 2	SPAN 230
SPAN 003	Third Semester Spanish	SPAN 200
SPAN 004	Fourth Semester Spanish	SPAN 210

Theatre Arts

THEA 001	Acting 1	THTR 151
THEA 002	Acting 2	THTR 152
THEA 003	Stagecraft	THTR 171
THEA 006	Introduction to Theatre	THTR 111
THEA 008	State Make-Up	THTR 175
THEA 009	Script Analysis	THTR 114
THEA 020	Introduction to State Lighting	THTR 173
THEA 021	Introduction to Theatre Design	THTR 172
THEA 024A	Rehearsal and Performance in Production - Comedy	THTR 191
THEA 024B	Rehearsal and Performance in Production - Drama	THTR 191
THEA 024C	Rehearsal and Performance in Production - Classical	THTR 191
THEA 024D	Rehearsal and Performance in Production - Musical	THTR 191
THEA 032A	Fundamentals of Costume Design - Comedy	THTR 174
THEA 032B	Fundamentals of Costume Design - Drama	THTR 174
THEA 032C	Fundamentals of Costume Design – Classical	THTR 174
THEA 047A	Technical Theatre in Production - Comedy	THTR 192
THEA 047B	Technical Theatre in Production - Drama	THTR 192
THEA 047C	Technical Theatre in Production - Classical	THTR 192
THEA 047D	Technical Theatre in Production - Musical	THTR 192

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

Aeronautics

AERO 106   **10.0 Units**

Powerplant Maintenance I
Course Advisory: SCC minimum English and Math standards. This course is designed to acquaint the student with reciprocating engines. The course includes study in the fundamentals of basic engine design, types and materials of construction, nomenclature, repair, overhaul and servicing, maintainability and reliability concepts. *Five hours lecture, fifteen hours lab.*

AERO 107   **10.0 Units**

Powerplant Maintenance II
Course Advisory: CC minimum English and Math standards. The course presents a study of the theory, operation, maintenance and repair of the turbine engine and related systems. It gives the student practical "hands on" experience that will satisfy future employment and FAA requirements. *Five hours lecture, fifteen hours lab.*

AERO 118   **0.5 to 1.50 Units FAA**
Airframe Test Review and Qualification Course *Advisory: SCC minimum English and Math standards.* This course is to be taken during the final semester of a student's enrollment in the Aeronautics program. The course consists of a comprehensive oral, practical, and written examination of all material covered in the Airframe Program for the purpose of verifying the student's readiness to pass the Federal Aviation Administration Airframe Examinations. Students may take this course up to the maximum number of units over multiple semesters. This is an Open Entry/Open Exit course. *One and one-half to four and one-half hours lab.*

AERO 119   **0.5 to 1.50 Units**
FAA Powerplant Test Review & Qualification *Course Advisory: SCC minimum English and Math standards.* This course is to be taken during the final semester of a student's enrollment in the Aeronautics program. The course consists of a comprehensive oral, practical, and written examination of all material covered in the Powerplant Program for the purpose of verifying the student's readiness to pass the Federal Aviation Administration Powerplant Examinations. Students may take this course up to the maximum number of units over multiple semesters. This is an Open Entry/ Open Exit course. *One and one-half to four and one-half hours lab.*

AERO 176   **1.0 Unit**
Composite Materials Workshop
Course no longer active.

CDFS 063   **3.0 Units**

Prerequisite: CDFS 038 with a minimum grade of C. Course Advisory: CDFS 062 with a minimum grade of C; eligibility for English 001. This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age 6. Students will examine a teacher's role in supporting development and fostering children's curiosity and learning. Through observation and assessment strategies students will develop appropriate play-based curriculum. An overview of content areas will include but not be limited to: Language and literacy, social and emotional learning, sensory learning, art and creativity, music, math, and science. Formerly ECE 063. C-ID ECE 130. *Three hours lecture.*

CDFS   067

Early Childhood Education Field Practice

No longer active

CDFS 074   **3.0 Units**

Science and Math for ECE

Course Advisory: CDFS 038 with a minimum grade of C; Eligibility for English 001 and SCC minimum Math standards. An exploration of scientific principles, materials, and information from the biological and physical sciences appropriate for young children. Through an emphasis on the choice and presentation of appropriate concepts and processes, students acquire basic science knowledge relevant to the intellectual development of the young child. Formerly ECE 070. Field trip may be required. *Three hours lecture.*

Cosmetology

Program Description

The program consists of sixteen hundred (1600) hours of intensive training and study designed to prepare the student to take the California State Board of Cosmetology examination for licensure. Units include theory and practice in fundamental skills in all phases of beauty culture. Assignment of units is based on hours in attendance. See the Course Description portion of the Catalog for prerequisite requirements for admission to the program.

Transfer students will be accepted on a space-available basis providing they have not achieved more than 500 certified hours of training.

Certificate of Achievement and Associate in science Degree

A Certificate can be obtained by completing the 49.5-unit major listed below. The Associate in Science Degree can be obtained by completing a minimum of 66 units, including the major of at least 49.5 units and the general education requirements. 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 Cosmetology Certificate of Achievement/Associate Degree will be able to:

1. Translate and identify the differences between chemical and non-chemical changes as related to Cosmetology.
2. Employ and demonstrate the theories as related to sanitation, sterilization and rules and regulations as mandated by the Cosmetology Act and the Rules and Regulations - State approved textbooks.
3. Interpret and apply cosmetological theories as required for theoretical and practical applications.
4. Contrast and compare the skills and concepts as required by the California State Board of Barbering and Cosmetology.
5. Mandated Clinic Laboratory hours completed - Desk and Reception Training - Business and Communication skills developed - Sales and retail product knowledge.

REQUIRED COURSES . . . . Units
COSM 100 Cosmetology I 12.5
COSM 101 Cosmetology II. 12.5
COSM 102 Cosmetology III 12.5
COSM 103A Cosmetology IV 6
COSM 103B Cosmetology V 6
OR
COSM 175 Cosmetology Education Practicum 6
   Total units 49.5

Recommended Electives:
COSM 103A Cosmetology IV
COSM 103B Cosmetology V
COSM 104A Esthetics of Skin Care I
COSM 104B Esthetics of Skin Care II
COSM 111 Special Hair Processes
COSM 112 Basic Hairstyling
COSM 113 Advanced Hairstyling
COSM 114 Brush-Up and/or Supplemental Training
COSM 115 Cosmetology Instructor Training I COSM
116 Cosmetology Instructor Training II COSM 117
Special Manicurist
COSM 175 Cosmetology Education Practicum OCED
070 Occupational Soft Skills
OCED 090 Occupational Work Experience
OCED 091 General Work Experience

NOTE: First time students to the Cosmetology Program will be required to attend a mandatory information session and purchase a materials card at registration in addition to the registration fees. The cost of the materials card and start-up materials exceeds $2,000. For more information see the schedule of classes or call the Cosmetology Department at (707) 864-7000 ext. 4389.

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

Cosmetology

COSM 100   **12.5 Units**
Cosmetology I
Course Advisory: SCC minimum English standard. The first course in a three semester series to provide the training towards the state mandated 1600 hours of intensive training and study designed to prepare the student for the California State Board of Cosmetology examination for licensure. Introduces theories, concepts, principles and practice in the beauty culture. The student will focus on the fundamental techniques and application skills for cosmetology processes. Critical thinking skills are developed in the application of the concepts of client consultation, communication, hair care, nail care, skin care and cosmetology processes. NOTE: Students are required to attend the cosmetology information session and purchase a materials card at registration in addition to the registrations fees. Students are required to purchase an equipment kit and materials card from the SCC College Bookstore. The cost of the materials card and start-up materials varies. To qualify for the State examination for license, students must have completed the following: designated license hours and requirements; 10th grade or equivalent; be at least 18 years of age. Not open to students who have received credit for COSM 150 or 151. *Five hours lecture, twenty-two and one-half hours lab.*

COSM 104A   **15.0 Units**
Esthetics of Skin Care I
Prerequisite: Tenth grade completion or equivalent and 18 years of age as required by the State Board of Barbering and Cosmetology. Course Advisory: SCC minimum English standard. A two semester course series in skin care consisting of 600 hours. Designed to prepare the student for the California State Board of Barbering and Cosmetology examination for Esthetician licensure. An intensive study of basic and advanced technological concepts in European facialing techniques. The curriculum framework provides the theoretical, manual, and mechanical skills needed for a profession in esthetics. NOTE: Students are required to purchase a mandatory equipment kit and materials card at the SCC bookstore. The cost of the materials card and start-up materials varies. For current costs, please refer to the Schedule of Classes for each semester. Additionally, students are required to attend the mandatory Cosmetology information session (see Schedule of Classes for the date and time). *Five hours lecture, thirty hours lab.*

COSM 105A   **9.5 Units**
Fundamentals of Esthetics
Prerequisite: Tenth grade completion or equivalent; and 18 years of age as required by the State Board of Barbering and Cosmetology. Course Advisory: SCC minimum English and Math standards. The first of a two-part class designed to introduce students to the basic knowledge and skills to qualify them to take the state licensing exam in esthetics. Topics include the treatments, facials, makeup, and hair removal processes as well as a thorough understanding of the business aspects, general facial procedures, the human anatomy, chemistry, ingredients, electricity, sanitation and health and safety associated with this field. NOTE: All students enrolling in COSM 105A must pay a Material's Fee with enrollment fees to the Admissions and Records office at the time of registration. The cost of the materials fee and start-up materials varies. Additionally, students are required to attend the Cosmetology information session (see schedule of Classes for the information session date and time). This class is not open to students enrolled in COSM 104A. *Four and one-half hours lecture, and fifteen hours lab.*

COSM 117   **15.0 Units**
Special Manicurist
Course Advisory: SCC minimum English standard. Consists of four hundred (400) hours of intensive training and study. Designed to prepare the student for the California State Board Examination in Manicuring. Focus is on the essential knowledge and skills in
all area of manicuring technology. Provide the opportunity for students to develop technical skills
in providing nail care and artificial nail service to multiple clients in the patron laboratory. NOTE: Students are required to purchase an equipment kit and materials card from the SCC Bookstore. The cost of the materials card and start-up materials varies. For current costs, please refer to the Schedule of Classes for each semester. Students are required to attend the Cosmetology information session (see information session statement in Schedule of Classes). Students must have completed the designated hours of practical training and technical instruction, the tenth (10th) grade, or its equivalent, and be 18 years of age to qualify for the manicurist license examination by the State Board of Barbering and Cosmetology. NOTE: Not open to students who have completed COSM 171, 172, 173, or 174. *Five hours lecture, thirty hours lab.*

COSM 150
Basic Concepts in Cosmetology
Course no longer active

COSM 151
Basic Concepts in Cosmetology
Course no longer active

Drafting

Drafting and Design Technician

Program Description
This program is designed to provide students with entry level skills in the fields of mechanical, electrical, civil and architectural drafting and/or design.

Certificate of Achievement and Associate in Science Degree
A Certificate of Achievement can be obtained upon completion of the 30-unit major listed below The Associate in Science Degree can be obtained by completing a total of 60 units, including the major, general education requirements, and electives. 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 Drafting and Design Technician Certificate of Achievement/Associate Degree will be able to:
1. Demonstrate proficiency at reading, drawing and dimensioning industry standard drawings in the fields of Mechanical, Civil, Architectural, and Electronic drafting and design.
2. Demonstrate proficiency using industry standard computer aided drafting/design CADD software programs.

REQUIRED COURSES . . . . **Units**
DRFT 045 Introduction to
       Computer-Aided Drafting (CAD). 3
DRFT 046 Advanced CAD 3
DRFT 055 Mechanical Drafting - Level I. 3
DRFT 058 Solid Modeling with Solidworks. 3
DRFT 060 Architectural Drafting I. 3
DRFT 075 Electronic Drafting. 3
DRFT 080 Civil Drafting I 3
IT 140 Industrial Materials 3
IT 151 Vocational Mathematics. 3
Select 3 units from Recommended Electives 3
    Total Units **30**

Recommended Electives (select 3 units)   **Units**
ART 014 Introduction to Drawing . . . . 2 – 3.5
DRFT 050 Basic Drafting 1.5
DRFT 057 Mechanical Drafting - Level II 3
DRFT 065 Architectural Drafting II 3
DRFT 079 Blueprint Reading 3
DRFT 085 Civil Drafting II 3
DRFT 092 Special Problems. . . . . 1 - 3
DRFT 130 Advanced Printed Circuit Board Design 3
DRFT 140 Surveying 3
ENGR 001 Introduction to Engineering 1
HORT 030 Landscape Design I 3
OCED 070 Occupational Soft Skills 1.5
OCED 071 Occupational Portfolio Development 1.5
OCED 090 Occupational Work Experience . . . . 1 - 8
OCED 091 General Work Experience. . . . . 1 - 6

NOTE: Many of the advanced courses will require CAD. It is important to take DRFT 045 (Intro. to CAD) as early in your program as possible. College credit may be obtained with credit by examination in DRFT 045, 050, and 060 or they may be waived.

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

Foreign Language

ASL   046   **3.0 Units**

American Sign Language 1

P*rerequisite: Eligibility for English 001.* An introductory course to the culture and language of the deaf in this country. The course includes the acquisition of Fingerspelling skills and basic functional vocabulary of ASL. In addition to fluency in these two separate skills, the student will acquire basic knowledge of ASL syntax and nonverbal aspects of ASL, a history of the deaf in the country and deaf education, variations in Manual Communication, and the Culture of the Deaf. There will be both written and signed examinations, a research project, homework assignments, and individual examinations to demonstrate competency in both expressive and receptive ASL. Students will be expected to acquire a vocabulary of approximately 500 words (signs) and be proficient in Fingerspelling. Formerly ENGL 046. *Three hours lecture.*

ASL 047   **3.0 Units**

American Sign Language 2

Course Advisory: SCC minimum English standard.
Emphasis is on vocabulary expansion, introduction to ASL idiomatic expressions and information regarding the ethics and process of becoming a sign language interpreter. Assessment of competency is accomplished through written and communicative examinations. Some interaction with the deaf population is required. Formerly ENGL 047. *Three hours lecture.*

Fire Technology

FIRE   050   **3.0 Units**
Principles of Emergency Services
Course Advisory: SCC minimum English standard. This course provides 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 final grade of "C" or better in order to receive an Associate Degree or Certificate of Achievement in Fire Technology. *Three hours lecture.*

FIRE   053   **3.0 Units**
Fire Prevention Applications
Course Advisory: SCC minimum English standard. This course provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau. It will also discuss the use of fire codes, identification and correction of fire hazards, and the relationship of fire prevention with fire safety education and detection and suppression systems. This is a Fire Technology core course and must be completed with a final grade of 'C' or better in order to receive an Associate Degree or Certificate of Achievement in Fire Technology. *Three hours lecture.*

FIRE   056   **3.0 Units**
Building Construction as it Relates to the Fire Service
Course Advisory: SCC minimum English and Math standards. This course is intended to provide basic information about how buildings are designed and constructed. Through a basic understanding of building construction, the student will acquire an understanding of how buildings will behave under fire conditions. This course will aid in decision making related to fire prevention and fire control with the goal of successful fire ground operations. This course must be completed with a final grade of 'C' or better in order to receive an Associate Degree or Certificate of Achievement in Fire Technology. *Three hours lecture.*

FIRE   140   **24.0 Units**
Fire Technology Academy
Prerequisite: FIRE 050 with a minimum grade of C and FIRE 083 or KINE 083 with a minimum grade of C, or a passing grade on the CPAT or PACK test as evidences by a certificate of completion. A course containing the contents of FIRE 115, 123, 124, 125, 126, 127, 129, 130, 131, and 83 and Certification of State Fire Marshal courses of I-200, Fire Control I, Fire Control 3B, Water/Swiftwater Rescue Awareness, Confined Space Awareness, Rescue Systems I, Trench Rescue, Low Angle Rescue, American Red Cross EMS First Responder for the Professional, and State Fire Marshal Certified wildland courses of S-190, S-130, S-131, S-134, L-180 and CALFIRE 67 Hour Basic Course. Successful students who maintained at least an 80%score on each unit and subject covered in this course may become eligible for certification by the State Fire Marshal as a Firefighter I pending a required internship with an recognized fire entity. The Solano College Fire Technology Program and its appurtenant Firefighter I Academy is a California State Fire Marshal Accredited Regional Training Program. Students enrolling in FIRE 140 are required to complete mandatory information session prior to the course (see Schedule of Classes for the information session date and time.) *Fourteen hours lecture, thirty hours lab.*

Industrial Education

Mechatronics

Program Description

Mechatronics is the blending of electronics, mechanics, electrical. and computers to produce a well-rounded technician capable of handling the complex maintenance and operations tasks demanded by modern manufacturing, transportation, communication, and other industries. The modularization of electro-mechanical devices no longer requires in-depth specialization of a single field of study as more emphasis is placed on troubleshooting and replacement skills for maintenance and generalized knowledge of how systems work together for operations and purchasing and planning.

Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement can be obtained upon completion of the 42-unit major listed below. The Associate in Science Degree can be obtained by completing a total of 60 units, including the 42 unit major, the general education requirements, and electives. 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 Mechatronics Certificate of Achievement/Associate Degree will be able to:
1. Safely operate a variety of testing instruments and diagnostic tools.
2. Recognize complex systems and understand their function, operation, advantages and disadvantages.
3. Analyze complex systems and diagnose/troubleshoot problems.

REQUIRED COURSES . . . . **Units**
CIS 001 Introduction to Computer Science. 3
IT 050 Alternative Energy Technologies 3
IT 101 How Things Work 3
IT 151 Vocational Mathematics. 3
MT 120 Principles of Analog Electronics 3
MT 122 Principles of Digital Electronics 3
MT 130 Principles of Mechanical Power Systems 3
MT 132 Principles of Fluid Power Systems 3
MT 140 Principles of Industrial Electrical Systems 3
MT 142 Principles of Electrical Machinery 3
MT 162 Robotic Manufacturing Systems 3
MT 164 Programmable Logic Controllers. 3
Electives Selected from List A. 6
   Total Units **42**

List A (select 6 units)
ACR 100 Air Conditioning and Refrigeration 3
OR
ACR 101 Air Conditioning and Refrigeration 3
DRFT 045 Introduction to Computer-Aided
        Drafting (CAD) 3
DRFT 050 Basic Drafting 3
DRFT 079 Blueprint Reading. 3
IT 110 Modern Welding 3
IT 120 Electrical Safety 3
IT 140 Industrial Materials. 3
OCED 070 Occupational Soft Skills 3
OCED 090 Occupational Work Experience . . . . 1 - 6

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

Kinesiology

Associate in Arts in Kinesiology for Transfer

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 COURSES . . . . Units
KINE 020A Introduction to Kinesiology. 3
BIO 004 Human Anatomy. 5
BIO 005 Introductory Physiology. 5
A minimum of three (3) units from
Movement-based courses
(maximum of one course from any group) . . . . 3 - 4
Select two courses from List A . . . . 6 -10

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

Movement-based Courses (maximum of one course)
Combatives: . . . . Units
KINE 003D Beginning Judo. . . . . 1 -1.5
KINE 003E Intermediate Judo. . . . . 1 -1.5

Movement-based Courses (maximum of one course)
Dance: . . . . Units
KINE 004J Beginning Ballroom Dance. . . . . 1.5 -2

Movement-based Courses (maximum of one course).
Fitness: . . . . 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

Movement-based Courses (maximum of one course)
Individual Sports: . . . . 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

Kinesiology

Movement-based Courses (maximum of one course)
Team Sports: . . . . Units
KINE 009A Beginning Basketbal. . . . . 1 -1.5
KINE 009B Indoor/Outdoor Soccer . . . . 1 -1.5
KINE 009C Intermediate Soccer . . . . 1 -1.5
KINE 009G Softball . . . . 1 -1.5
KINE 009H Beginning Volleyball . . . . 1 -1.5
KINE 009P Intermediate Volleyball . . . . 1 -1.5

Select two courses from List A . . . . Units
BIO 016 Introduction to Human Biology 3
MATH 011 Elementary Statistics 4
KINE 020S Advanced First Aid and Emergency Care . . . 3
PHYS 002 General Physics (Non-calculus). 5
OR
PHYS 006 Physics for Science and Engineering. 5

Required Major Total Units . . . . 22 - 26
CSU General Education or IGETC Pattern Units . 37 - 39
CSU Transferable Electives
   (as needed to reach 60 transferable units)* . . . . . . 6 - 8
   Total Degree Units 60

  * *9 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.

Kinesiology

KINE   008D*   **1.0 Unit**
Advanced Tennis
Course Advisory: SCC minimum English and Math standards; KINE 008B with a minimum grade of C; 1 year experience high school team tennis and/or club tennis tournament experience. This course will provide advanced instruction in the techniques, tactics and strategies associated with competitive tennis. Special emphasis placed on drills and competitive play situations. *Three hours activity.*

KINE   055A*   **3.0 Units**
Sports Medicine - Athletic Training Practicum Fall Sports
Supervised volunteer athletic experience which provides students with the opportunity for immediate recognition and treatment of lower extremity sports injuries. Emphasis is on taping techniques and rehabilitation which enables athletes to return to competition. Fall sport experience includes, soccer, volleyball, rugby, and men's and women's basketball specific to these sports include most lower extremity injuries. *One and one-half hour lecture, four and one-half hours activity.*

KINE   078   **1.00 to 1.50 Units**
Fit Ball Training
Course Advisory: SCC minimum English and Math standards. A fitness course that utilizes fitness ball techniques that can increase strength, flexibility, endurance and lean body composition. Fitness ball exercises can help to improve and develop functionality and agility through strengthening weak muscles as well as core muscles. Students will learn to safely and effectively execute strengthening exercises for all the major muscle groups with and without hand weights, flexibility exercises and balancing exercises. Skill exams and written exams serve to evaluate student achievement. *One-half hour lecture, one and one-half or two and one-half hours activity.*

KINE   083   **2.0 Units**
Tactical Fitness
Course Advisory: KINE 005Q with a minimum grade of C; SCC minimum English and Math standards. An advanced lifelong functional fitness training and educational course designed specifically for students currently in or planning on entering the tactical/operator profession. This course will prepare or increase a student's mission/job performance and knowledge by incorporating current research and advanced training methods to increase strength, stamina, and reduce injury. This course will challenge those students who want to attain the pinnacle of fitness and exercise knowledge. *One hour lecture, three hours activity.*

*indicates new course

Nursing

All Nursing and Career Mobility students must attend a mandatory information session with Nursing faculty to be arranged by the School of Health Sciences.

Emergency Medical Technician

EMT   112   **7.0 Units**
Emergency Medical Technician (Basic)
Prerequisite: EMT 128 with a minimum grade of C. Course Advisory: Eligibility for ENGL 001 and SCC minimum Math standard. Based on state Emergency Medical Services Association regulations, the goal of the EMT (Basic) course is to acquire essential assessment & treatment skills for the delivery of prompt, efficient & safe pre-hospital emergency patient care. Application of these emergency care skills can minimize the risk of permanent disability to an individual. The course has lecture/discussion sessions & skills practice time. Students will attend a combined minimum of twenty-four (24) hours of observation time with an emergency department and an ambulance service. This clinical experience must include a minimum of ten (10) documented patient contacts wherein a patient assessment and other EMT skills are performed. Students successfully completing the course are eligible to take the National Registry Emergency Medical Technician (Basic) Exam as required by the state of California for certification. Certification enables students to qualify for employment with ambulance services, fire, or rescue services, search & rescue crews, ski patrol or related pre-hospital emergency care positions. NOTE: By law, applicants for certification must be at least 18 years of age. Students must present current Basic Life Support for Healthcare Providers course completion card at the mandatory information session in order to enroll in the course. Can be repeated every 2 years. *Five hours lecture, six hours activity.*

Nursing

NURS 103   **6.5 Units**
Certified Nursing Assistant
Prerequisite: Applicants must be at least 16 years old. Course Advisory: SCC minimum English and Math standards. Basic computer navigation skills and frequent internet access is required. Prepares the student to function in the role of Certified Nursing Assistant in the acute care, long-term care, and home health settings. Students must apply to the CNA program through Solano Community College's Office of Admissions and Records, as well as attend a mandatory information session prior to the beginning of class. *Eight hours lecture, sixteen hours lab. (8-week course)*

Photography

Camera equipment for photography classes is not provided by the College. Students registering for these courses must have available a 35 mm camera or equivalent. Material costs are approximately $100 per course.

PHOT 030   **3.0 Units**
Beginning Photography
Course Advisory: Eligibility for English 001, SCC minimum Math standard and PHOT 035, ART 011. An introduction to black and white film photography. Includes a brief history and discussion of image composition, with special emphasis on darkroom techniques, photographic principles and materials. Camera equipment is essential for this course and there are a substantial number of cameras for loan. SLR 35mm film camera and related materials are required. Field trip may be required. *Two hours lecture, three hours lab.*

PHOT 031   **3.0 Units**
Intermediate Photography
Prerequisite: PHOT 070 with a minimum grade of C. Course Advisory: PHOT 035, SCC minimum English and Math standards. This course is designed to further develop a student's basic technical and visual skills with an emphasis on continued visual literacy. Students may work with either film or digital cameras. Camera equipment is not provided by the college. SLR Film or SLR Digital camera is required. *Two hours lecture, three hours activity.*

PHOT 035   **3.0 Units**
The Art of Photography
Course Advisory: ENGL 001, ART 011. This course is an introduction of technical skills related to visual literacy. A survey of historical and contemporary photographers will be the vehicle for the development of student's own photographs. Camera equipment is not provided by the college. Students registering for this class should have a film or digital camera. Film or digital camera required. *Three hours lecture.*

PHOT 057   **3.0 Units**
Special Projects
Courses in special projects that are of historical and contemporary interest. Application through assignments to develop technical skills in subject areas not normally covered in other photography classes. *Two hours lecture, three hours lab.*

PHOT 151   **4.0 Units**
Professional Photography: Introduction
Prerequisite: PHOT 070 with a minimum grade of C. Course Advisory: Eligibility for ENGL 001 and SCC minimum Math standards. This course is designed for students who are considering a career in photography. Students will be exposed to the technical and creative possibilities of applied and personal photography. SLR Digital camera required. Field trips may be required. *Two hours lecture, six hours lab.*

PHOT 152   **4.0 Units**
Professional Photography: Portraiture
Prerequisite: PHOT 070 with a minimum grade of C. Course Advisory: Eligibility for ENGL 001 and SCC minimum Math standards. This course focuses on varied applications of portrait work in the applied and fine art environments. SLR Digital camera required. Field trips may be required. *Two hours lecture, six hours lab.*

PHOT 153   **4.0 Units**
Professional Photography: Product and Advertising
Prerequisite: PHOT 070 with a minimum grade of C. Course Advisory: Eligibility for ENGL 001 and SCC minimum Math standards. This course is designed to explore varied film and lighting techniques to execute photographs in the context of advertising. Assignments will vary from studio work to location settings using a wide variety of subjects (food, wine, autos, etc.). SLR Digital camera required. Field trip may be required. *Two hours lecture, six hours lab.*

PHOT 154   **4.0 Units**
Professional Photography: Interior & Exterior
Prerequisite: PHOT 070 with a minimum grade of C. Course Advisory: Eligibility for ENGL 001 and SCC minimum Math standards. This course provides the student with skills to photograph architecture in the rural and urban landscape. SLR Digital camera required. Field trip may be required. *Two hours lecture, six hours lab.*

PHOT 155A*   **1.5 - 3.0 Units**
Professional Photography: Travel Photography
Course Advisory: PHOT 030, 035 or 070; SCC minimum English and Math standards. This travel photography course will explore the boundaries of location photography. Lecture/demonstrations are designed to provide technical and creative support for your location project. The final project will encompass the realm of documentary, photojournalistic, editorial and personal work. A SLR film or SLR digital camera required. Student will pay for travel arrangements for this course prior to enrollment. 2-week course. Formerly PHOT 155. *Four to eight hours lecture, twenty-four to forty-eight hours lab.*

*indicates new course

PHOT   155B*   **1.50 Units**
Pro Photo: Travel Photography II *Prerequisite: PHOT 155A with a minimum grade of C.* This is the second semester of a travel photography course that explores the boundaries of location photography. Lecture/ demonstrations are designed to provide technical and creative support for a travel location project. The final project will reflect intermediate ability in the realm of documentary, photojournalistic, editorial and personal work. An SLR film or DSLR camera is required. Student will pay for travel arrangements for this course prior to enrollment and in addition to SCC enrollment fees. *Four to eight hours lecture, twenty-four to forty-eight hours lab. (2-week course)*

PHOT   156   **3.0 Units**
Portfolio Development
Prerequisite: PHOT 151 with a minimum grade of C and a minimum grade of C in one of the following: PHOT 031, 058, 152, 153 or 154. An advanced course designed to serve the student in the preparation of a professional fine art or commercial portfolio. Emphasis is placed on individual direction and personal goals. The student can expect individual consultation by the instructor. A digital or film camera is required. *Two hours lecture, three hours lab.*

*indicates new course

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 18-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 major theories and applications of psychology.
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
Choose 9 units from the list of electives 9
   Total Units 22

Electives
Choose three courses (9 units) from the following list of courses
PSYC 005 Abnormal Psychology 3
PSYC 006 Developmental Psychology 3
PSYC 007 Cross-Cultural Psychology 3
PSYC 010 Psychology of Women 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

University Studies

Program Description

The Associate in Arts Degree in University Studies is designed for students who wish a broad knowledge of arts and sciences plus additional coursework in an area of academic interest. With proper planning, students will complete lower division major preparation and general education for transfer while simultaneously completing the University Studies Associate Degree. This major is an ideal choice for students planning to transfer to the University of California (UC), the California State University (CSU), or any other baccalaureate-granting college or university.

Students are encouraged to develop a transfer plan in consultation with a counselor and to refer to www.assist.org for current articulation of Solano Community College and university courses.

- Choose either Solano Community College Option B or C for the General Education pattern related to your educational goal.
- For both options: complete a Cross Cultural Studies Graduation Requirement.
- Complete at least 18 units in on Area of Emphasis from those listed below.
- Choose electives if necessary to complete the 60 units required for the Associate Degree.
- 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.

General Education . . . . **GE Units**

I. Option B: IGETC
   Minimum 34 semester units
Complete units necessary to meet full IGETC certification requirements.

II. Option C: CSU/GE/Breadth Pattern
   Minimum 39 semester units
Complete units necessary to meet full CSU/GE-Breadth certification requirements.

Areas of Emphasis

- 18 units required from one Area of Emphasis listed below.
- Where appropriate, courses in the Area of Emphasis may also be counted for GE.
- Courses numbered 1-49 transfer to UC, CSU and most independent and out-of-state colleges and universities. Courses numbered 50-99 transfer to CSU and some independent and out-of-state colleges and universities. Courses numbered 100-199 are associate degree applicable but usually do not transfer to baccalaureate-granting institutions.

Elective Units

Electives may be necessary to meet the 60-unit requirement for the Associate Degree.

Program Outcomes:

Students completing an Associate Degree will be able to:

1. Develop a pattern of thinking and a knowledge base consistent with the scholarship required to pursue further study in a major at a university.
2. Discover the nature and common themes of the disciplines represented by an area of emphasis
3. Examine the relationship between personal perspective and evidence-based evaluation of information.

University Studies

Liberal Studies with Emphasis on Education
Minimum 18 units required

Minimum three units from each of four different disciplines

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.

ANTH 002, 007
ART 001, 002, 003, 006, 010, 011, 012, 014, 017, 023, 031, 039
ASTR 010
BIO 003, 004, 005, 012, 014, 015, 016, 019
CHEM 010
CINA 010, 011
CDFS 038, 039, 070, 071
ECON 001
ENGL 012, 016, 030, 031, 032, 033, 035, 036, 038, 040, 041. .
GEOG 002, 004
GEOL 001, 002
HED 002
HIST 002, 003, 004, 005, 010, 017, 018, 028, 029, 037
HUMN 003
MATH 002, 004, 011, 012
MUSC 005, 007, 008, 013
PHIL 001, 003, 004, 005
PHYS 010
PHSC 012
PLSC 001, 005
PSYC 001, 002, 005, 010
SOC 001, 002, 023, 040
SOCS 022
THEA 001, 010, 011, 013

2015-2016 Academic Calendars

SPRING 2016

The dates below refer to full term classes. Short term class deadlines vary by class/CRN#.

January 2016

1/8/16	President's Welcome for Faculty/Staff - Campus closed
1/11/16	Spring Term begins
1/18/16	Dr. Martin Luther King Jr. Holiday - Campus closed
1/12-2/1/16	Late Registration
1/24/16	Last day to Drop a full term class and receive refund of enrollment fee only

February 2016

2/1/16	Last day to Add a full term class**
2/1/16	Last day to Drop a full term class without a W
2/1/16	Census Date - Full term classes
2/5/16	Last day to apply for Credit by Exam
2/12/16	Last day to file for Pass/No Pass option or Reverse
2/12-2/16/16	President's Day weekend - Campus closed

March 2016

3/17/16	Last day to petition for Degrees/Certificates

April 2016

3/27-4/3/16	Spring Break - Campus closed
4/3/16	Last day to drop a full term class with a W

May 2016

5/11/16	No Classes
5/12-18/16	Evening Class Finals
5/12-18/16	Day Class Finals
5/14-15/16	Saturday/Sunday Class Finals
5/18/16	Spring Term Ends
5/18/16	Graduation Ceremony (Some offices closed)
5/22/16	Faculty Grade Submission Deadline - by 5 p.m.

Individual registration dates and times can be viewed online at www.solano.edu. Click on MySolano, login and then select the Student tab. Under Registration, click on "When Can I Register?"

**Late Start Classes: There are classes that begin each month throughout the semester. Open registration for these classes is available until midnight prior to the class start date if seats are available. Late registration will apply when the class starts.

Catalog Addendum Chart Spring 2016

Page # Catalog	Page # Addendum	Course/Program/Heading	In Printed 2015-16 Catalog	Spring 2016 Addendum
5	2	General Information	112 campuses	113 campuses
19	3	Academic Success Center	---	With additional locations at the Vacaville and Vallejo Centers
34	4	Matriculation	Matriculation	Student Success and Support Program (SSSP)
36	3	Off-Campus Classes	---	Addition of current sites at which SCC courses are offered
62	4	Job Direct Certificates	---	Computer Aided Drafting (see Drafting major)
65	5	Program Degrees and Certificates	Political Science	Remove Political Science Add Spanish for Transfer
75	6	C-ID	---	ANTH 001 Physical Anthropology ANTH 110 Accounting ACCT 001 Financial Accounting ACCT 110 ACCT 002 Managerial Accounting ACCT 120 BIO 005 Human Physiology BIO 120B COMM 001 Introduction to Public Speaking COMM 110 GEOG 001L Physical Geography Lab GEOG 111
76	7 - 9			HIST 002 World History to 1500 HIST 150 MATH 011 Elementary Statistics MATH 110 Musicianship I MUS 125 (with MUSC 001 Theory I) Musicianship II MUSC 135 (with MUSC 002Theory II) Musicianship III MUSC 145 (with MUSC 003 Theory III) Musicianship IV MUSC 155 (with MUSC 004 Theory IV) MUSC 026 Vocal Jazz Ensemble MUS 180 Nutrition NUTR 010 Nutrition NURT 110 SPAN 003 Third Semester Spanish SPAN 200 SPAN 004 Fourth Semester Spanish SPAN 210
77	7 - 9			THEA 032C Fundamentals of Costume Design – Classical THTR 174
82	10	AERO 106	Course Advisory: SCC minimum English standard.	Course Advisory: SCC minimum English and Math standards. Students may take this course up to the maximum number of units over multiple semesters. Course description update (effective Spring 2016)
82	10	AERO 119	Six to eighteen hours lab	One and one-half to four and one-half hours lab Students may take this course up to the maximum number of units over multiple semesters. Course description update (effective Spring 2016)
82	10	AERO 176	Active course	Inactive course
126	11	CDFS 063	Prerequisite: Minimum grade of C in both CDFS 038 and CDFS 062. Course Advisory: Eligibility for ENGL 001	Prerequisite: CDFS 038 with a minimum grade of C. Course Advisory: CDFS 062 with a minimum grade of C; eligibility for ENGL 001. (effective Spring 2016)
	11	CDFS 067	Active	Inactive (effective Spring 2016)
127	11	CDFS 074	Prerequisite: CDFS 062 and CDFS 038 (may be taken concurrently)	Course Advisory: CDFS 038 with a minimum grade of C; Eligibility for English 001 and SCC minimum Math standard Prerequisite removed (effective Spring 2016)
145	12	Cosmetology	Orientation meeting	Information session
146	13	Cosmetology	Orientation meeting	Information session
146	13	COSM 100	Orientation meeting	Information session
147	13	COSM 104A	Orientation meeting	Mandatory Cosmetology information session
147	13	COSM 105A	Cosmetology Orientation Orientation	Mandatory Cosmetology information session Information session
149	14	COSM 117	Cosmetology Orientation Orientation	Mandatory Cosmetology information session Orientation
149	14	COSM 150	Active course	Inactive course (effective Spring 2016)
149	14	COSM 151	Active course	Inactive course (effective Spring 2016)
161	15	Drafting and Design Technician	DRFT 125 Solid Modeling with Solidworks	Remove DRFT 125 from degree
161	15	Drafting and Design Technician	OCED 071 Occupational Soft Skills	OCED 071 Occupational Portfolio Development
172	16	ENGL 046	ENGL 046	ASL 046 (new course number) (effective Spring 2016)
172	16	ENGL 047	ENGL 047	ASL 047 (new course number) (effective Spring 2016)
185	17	FIRE 050	Title: Fire Protection Organization	Title: Principles of Emergency Services Course description updates (effective Spring 2016)
185		FIRE 053	Title: Fire Prevention	Title: Fire Prevention Application Course description updates (effective Spring 2016)
185	17	FIRE 056	Title: Building Construction for the Fire Service	Title: Building Construction as it Relates to the Fire Service Course description updates (effective Spring 2016)

Catalog Addendum Chart Spring 2016

Page # Catalog	Page # Addendum	Course/Program/Heading	In Printed 2015-16 Catalog	Spring 2016 Addendum
185	17	FIRE 140	---	Addition of the statement Students enrolling in FIRE 140 are required to complete a mandatory information session prior to the course (see Schedule of Classes for the information session date and time.)
207	18	Mechatronics	Associate in Arts	Associate in Science
223	19-20	Associate in Arts in Kinesiology for Transfer	Select two courses from List A 7 – 10 Total Units 23 – 27.5	Select two courses from List A 6 – 10 Remove Total Units 23 – 27.5
	21	KINE 008D	---	New course (effective Spring 2016)
	21	KINE 055A	---	New course (effective Spring 2016)
238	21	KINE 078	0.5 or 1.5 Units	1.0 or 1.5 Units
238	21	KINE 083	2.0 or 2.5 Units	2 Units
267	22	Nursing	Orientation meeting	Information session
270	22	Nursing	Orientation meeting	Information session
272	22	EMT 112	Orientation meeting	Information session
278	22	NURS 103	Orientation	Information session
291	23	PHOT 030	----	Course description updates (effective Spring 2016)
291	23	PHOT 031	Prerequisite: PHOT 030 or PHOT 070	Prerequisite: PHOT 070 with minimum grade of C (effective Spring 2016)
291	23	PHOT 035	---	Course description updates (effective Spring 2016)
292	23	PHOT 057	Prerequisite: PHOT 052 or advanced class	Remove prerequisites (effective Spring 2016)
292	23	PHOT 151	Prerequisite: PHOT 030 with a minimum grade of D or PHOT 070 with a minimum grade of D	Prerequisite: PHOT 070 with a minimum grade of C (effective Spring 2016)
292	23	PHOT 152	Prerequisite: PHOT 030 with a minimum grade of D or PHOT 070 with a minimum grade of D	Prerequisite: PHOT 070 with a minimum grade of C (effective Spring 2016)
292	23	PHOT 153	Prerequisite: PHOT 030 with a minimum grade of D or PHOT 070 with a minimum grade of D	Prerequisite: PHOT 070 with a minimum grade of C (effective Spring 2016)
293	23	PHOT 154	Prerequisite: PHOT 030 with a minimum grade of D or PHOT 070 with a minimum grade of D	Prerequisite: PHOT 070 with a minimum grade of C (effective Spring 2016)
293	23	PHOT 155/155A	Course Number: 155	Course Number: 155A (effective Spring 2016)
	24	PHOT 155B	----	New Course (effective Spring 2016)
293	24	PHOT 156	Prerequisite: PHOT 151 and one of the following: PHOT 031, 058, 152, 153, or 154.	Prerequisite: PHOT 151 with a minimum grade of C and a minimum grade of C in one of the following: PHOT 031, 058, 152, 153, or 154. (effective Spring 2016)
300	25	Psychology A.A.	Total Units: 18	Add MATH 011 Elementary Statistics to Required Courses Total Units: 22
324	26	University Studies	Liberal Studies with Emphasis on Education	Remove Liberal Studies with Emphasis on Education from this page
327	27	Liberal Studies with Emphasis on Education		Remove extra line of CDFS classes
356	28	Last day to drop and receive refund	1/25/16	1/24/16
356	28	Census Date	2/2/16	2/1/16
356	28	President's Day Weekend	2/13 – 2/16/16	2/12 – 2/16/16
356	28	Graduation Ceremony	5/19/16	5/18/16