

# *Dance*

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Dance (DANC) courses - see Kinesiology section.

Dance A.A. is in development

Updated in  
Addendum

# 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 31-31.5-unit major. The Associate in Science Degree can be obtained by completing the 31-31.5-unit major, general education requirements, 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 Drafting and Design Technician Certificate of Achievement/ Associate Degree will be able to:

1. Demonstrate proficiency using industry standard computer aided drafting/ design CAD (AutoCAD) software program.
2. Demonstrate proficiency at reading, drawing, and dimensioning industry standard mechanical drawings.
3. Demonstrate proficiency at reading, drawing, and dimensioning industry standard civil drawings.
4. Demonstrate proficiency at reading, drawing, and dimensioning industry standard electronic drawings.
5. Demonstrate proficiency at reading, drawing, and dimensioning industry standard architectural drawings.

REQUIRED COURSES .....	Units
DRFT 045 Introduction to Computer-Aided Drafting (CAD) .....	4
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
DRFT 161 Introduction to REVIT Architecture Software .....	3
IT 140 Industrial Materials.....	3
IT 151 Vocational Mathematics .....	3
IT 171 Making Things 1 - 3D Technology .....	1
IT 172 Making Things 2 - 2D Technology .....	1
One Course from List A.....	1-1.5
<b>Required Major Total Units .....</b>	<b>31-31.5</b>

List A: (Select one course).....	Units
OCED 070 Occupational Soft Skills.....	1.5
OCED 090 Occupational Work Experience .....	1
OCED 091 General Work Experience.....	1

<b>Solano General Education.....</b>	<b>21</b>
<b>Electives (as needed to reach 60 units).....</b>	<b>7.5-8</b>
<b>Total Degree Units Solano GE.....</b>	<b>60</b>

This is a Gainful Employment Program. For additional information, please visit [http://www.solano.edu/gainful\\_employment/](http://www.solano.edu/gainful_employment/) and select "Drafting Technician."

# Drafting

## Survey and Civil Drafting Technician

### Program Description

This program is designed to provide students with entry-level skills in the fields of Surveying Technician, Civil Drafting Technician, and/or mapping technician.

### Certificate of Achievement and Associate Degree

A Certificate of Achievement can be obtained upon completion of the 26-26.5-unit major. An Associate in Science degree may be obtained by completing the 26-26.5-unit major, general education requirements, 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.

### Program Outcomes

Students who complete the Survey and Civil Drafting Technician Certificate of Achievement/ Associate Degree will be able to:

1. Demonstrate proficiency using industry standard computer aided drafting/ design CAD (AutoCAD) software program.
2. Demonstrate proficiency at reading, drawing and dimensioning industry standard civil drawings.
3. Demonstrate basic understanding in using industry standard survey equipment including Transit, Theodolite, and Level.

<b>REQUIRED COURSES</b> .....	<b>Units</b>	<b>List B: (select one course)</b> .....	<b>Units</b>
DRFT 045 Introduction to Computer-Aided Drafting (CAD) .....	4	OCED 070 Occupational Soft Skills .....	1.5
DRFT 060 Architectural Drafting I.....	3	OCED 090 Occupational Work Experience .....	1
DRFT 080 Civil Drafting I .....	3	OCED 091 General Work Experience .....	1
DRFT 140 Surveying.....	3	<b>List C: (select one course)</b> .....	<b>Units</b>
DRFT 161 Introduction to REVIT Architecture Software .....	3	GEOL 001 Physical Geology .....	3
IT 151 Vocational Mathematics .....	3	GEOL 005 Geology of California .....	3
One course from List A .....	3	IT 050 Alternative Energy Technologies .....	3
One course from List B .....	1-1.5	<b>Solano General Education</b> .....	<b>21</b>
One course from List C .....	3	<b>Electives (as needed to reach 60 units)</b> .....	<b>12.5-13</b>
<b>Required Major Total Units</b> .....	<b>26-26.5</b>	<b>Total Degree Units Solano GE</b> .....	<b>60</b>
<b>List A: (select one course)</b> .....	<b>Units</b>		
GEOL 010 Introduction to Geographic Information Systems .....	3		
GEOG 010 Introduction to Geographic Information Systems.....	3		

This is a Gainful Employment Program. For additional information, please visit  
[http://www.solano.edu/gainful\\_employment/](http://www.solano.edu/gainful_employment/) and select "Survey Technician / Civil Drafting Technician."

# Drafting

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

The required courses must be completed with a minimum grade of C.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
DRFT 045 Introduction to Computer-Aided Drafting (CAD) .....	4
DRFT 079 Blueprint Reading .....	3
One course from List A .....	3
One course from List B .....	3
<b>Total Units</b> .....	<b>13</b>

<b>List A: (select one course)</b> .....	<b>Units</b>
DRFT 058 Solid Modeling with Solidworks .....	3
DRFT 161 Introduction to REVIT Architecture Software .....	3

<b>List B: (select one course)</b> .....	<b>Units</b>
DRFT 055 Mechanical Drafting - Level I .....	3
DRFT 060 Architectural Drafting I .....	3
DRFT 075 Electronic Drafting .....	3
DRFT 080 Civil Drafting I .....	3

Updated in  
Addendum

# Drafting

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## *Maker Space Technology*

### **Program Description**

This program is an overview of basic design of manufacturing skills and concepts. Students will learn basic 2D and 3D CAD (Computer Aided Design) skills and how to output those designs using common Maker Space machines and tools such as 3D printers, laser cutters, and CNC (Computer Numeric Controlled) machines. The program also provides a basic overview of manufacturing systems such as motors, wiring and controllers, and the related career opportunities available to individuals with these skills.

### **Certificate of Achievement**

A Certificate of Achievement can be obtained upon completion of the 15.5-17-unit major. All courses 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 Survey and Civil Drafting Technician Certificate of Achievement/ Associate Degree will be able to:

1. Demonstrate an understanding of the main principles of Mechatronics.
2. Demonstrate an ability to safely use a 3D printer, laser cutter, CNC machine, basic hand and power tools, and basic electronics.
3. Demonstrate and ability to create a CAD drawing and output to a Maker Space machine.

### **REQUIRED COURSES ..... Units**

DRFT 045 Introduction to Computer-Aided Drafting (CAD) .....	4
or	
DRFT 145 AutoCAD Basics .....	1
and	
DRFT 079 Blueprint Reading.....	3
DRFT 151 3D Modeling with Fusion 360.....	1.5
or	
DRFT 058 Solid Modeling with Solidworks.....	3
IT 101 Introduction to Mechatronics .....	3
IT 171 Making Things 1 – 3D Technology .....	1
IT 172 Making Things 2 - 2D Technology .....	1
IT 173 Making Things 3 – Tool Use and Safety .....	1
IT 174 Making Things 4 – Basic Electronics .....	1
IT 175 Maker Space Technology Lab .....	3
<b>Total Units .....</b>	<b>15.5-17</b>

This is a Gainful Employment Program. For additional information, please visit [http://www.solano.edu/gainful\\_employment/](http://www.solano.edu/gainful_employment/) and select “Maker Space Technology.”

# Drafting

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## **DRFT 045**

### **Introduction to Computer-Aided Drafting (CAD)**

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 48-54 lecture, 48-54 lab.*

Introduces the drafting student to CAD (AutoCAD) technology and terminology. The student shall complete a series of related drawing problems using a CAD work station. Fundamentals of creating and modifying engineering and architectural related drawings. This course also introduces students to blocks and advanced layering concepts.

**4.0 Units**

## **DRFT 046**

### **Advanced Computer Aided Drafting (CAD)**

*Prerequisite: DRFT 045 with a minimum grade of C.*

*Transferable to UC/CSU*

*Hours: 32-36 lecture, 48-54 lab.*

Develops advanced proficiency in CAD. Covers symbol libraries, isometrics, external references (XREFS), 3-D drawing, basic solid modeling, tables and customization techniques.

**3.0 Units**

## **DRFT 050 Basic Drafting**

**1.5 Units**

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to CSU*

*Hours: 8-9 lecture, 48-54 lab.*

Fundamentals of drafting using hand drafting tools-- pencil, paper, triangles, scales, compass, etc. Students will use traditional methods of construction for polygons, orthographic views, pictorial drawings, simple architectural floor plans and other technical drafting constructions and will be giving hands on training in technical sketching. This course is intended to give additional training in visualization and object manipulation without the aid of a computer and is a recommended elective for drafting students, or for non-drafting students (in fields such as welding, mechatronics, engineering, etc) who may need to create technical drawings without a computer.

## **DRFT 055 Mechanical Drafting - Level I**

**3.0 Units**

*Prerequisite: DRFT 045 with a minimum grade of C; DRFT 058 with a minimum grade of C (may enroll concurrently).*

*Transferable to CSU*

*Hours: 32-36 lecture, 48-54 lab.*

Techniques and standards of mechanical drafting. Main topics include orthographic drawings, sections, pictorials, threads, fasteners, basic tolerance concepts, ANSI standards and working drawings. Basic mechanical design principles, with a special emphasis on electro-mechanical packaging, are introduced.

## **DRFT 058 Solid Modeling with Solidworks**

**3.0 Units**

*Course Advisory: SCC minimum English standard; knowledge of drafting concepts.*

*Transferable to CSU*

*Hours: 32-36 lecture, 48-54 lab.*

Designed to teach the basic concepts and skills necessary to create, view, and manipulate objects and engineering drawings in three dimensional space using Solidworks software. Student will create models in 3D printer, output support documentation and drawings, and incorporate design process concepts in designs.

## **DRFT 060 Architectural Drafting I**

**3.0 Units**

*Prerequisite: DRFT 045 with a minimum grade of C.*

*Transferable to CSU*

*Hours: 32-36 lecture, 48-54 lab.*

Covers basic methods and practices of architectural drafting and design. Students will design a complete set of plans for a single family dwelling in accordance with local building regulations. Course includes an introduction to the Title 24 energy requirements and standards. Recommended for non-majors and drafting majors.

## **DRFT 075 Electronic Drafting**

**3.0 Units**

*Prerequisite: DRFT 045 with a minimum grade of C.*

*Transferable to CSU*

*Hours: 32-36 lecture, 48-54 lab.*

Designed for drafters to develop skill in reading and drawing plans related to electronics. Topics include terminology, component identification, schematic symbols, cable drawings, electro-mechanical design from the electronic perspective. Special emphasis is placed on basic printed circuit board design. Students will design through-hole and surface mount printed circuit boards.

# Drafting

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## **DRFT 079 Blueprint Reading**

**3.0 Units**

*Course Advisory: SCC minimum English and Math standards.  
Transferable to CSU  
Hours: 40-45 lecture, 24-27 lab.*

Provides an understanding and interpretation of a variety of blueprints. Emphasizes the ability to recognize and identify features of mechanical blueprints and architectural blueprints. Also includes basic development of freehand sketching abilities.

## **DRFT 080 Civil Drafting I**

**3.0 Units**

*Prerequisite: DRFT 045 with a minimum grade of C.  
Course Advisory: IT 151 with a minimum grade of C  
Transferable to CSU  
Hours: 32-36 lecture, 48-54 lab.*

An introduction to civil drawing with emphasis on land division, breakdown of survey notes, office procedures and related math computations. Includes instruction in a variety of industry standard maps, including subdivision maps, assessors parcel maps and topographic maps.

## **DRFT 085 Civil Drafting II**

**3.0 Units**

*Prerequisite: DRFT 080 with a minimum grade of C.  
Course Advisory: IT 151 with a minimum grade of C  
Transferable to CSU  
Hours: 32-36 lecture, 48-54 lab.*

Designed for the advanced civil drafting student with emphasis on computer programs and experience compatible with the industry standards. Includes the study of plan and profile, cross-section and earthwork calculations.

## **DRFT 092 Special Problems**

**1.0 to 3.0 Units**

*Prerequisite: DRFT 050.  
Transferable to CSU  
Hours: 48-162 lab by arrangement*

Individualized projects for advanced students who demonstrate competency to carry out individual work. Students may take this course up to the maximum number of units over multiple semesters.

## **DRFT 130**

**3.0 Units**

### **Advanced Printed Circuit Board Design**

*Prerequisite: DRFT 075 with a minimum grade of C.  
Hours: 32-36 lecture, 48-54 lab.*

Learn how to design complex circuit boards from schematic layout to artwork generation. Course requires completion of a complete set of drawings for a printed circuit board, including proper documentation, all based on industry standards. Through-hole and surface mount technology are studied.

## **DRFT 140 Surveying**

**3.0 Units**

*Prerequisite: DRFT 080 with a minimum grade of C.  
Course Advisory: IT 151 with a minimum grade of C  
Hours: 32-36 lecture, 48-54 lab.*

Presents the principles and practices of surveying. Topics include measurement of directions, distances and elevations. Students will learn the use and care of electronic survey equipment, transits, tapes and levels and be introduced to topics that include transverse calculations, horizontal and vertical curves, measuring standards and mapping.

## **DRFT 145 AutoCAD Basics**

**1.0 Unit**

*Hours: 16-18 lecture, 8-9 lab.*

Introduction to AutoCAD (ACAD) software including basic draw and edit commands, file standards, and file printing. Other commands covered include basic layering tools and manager, drawing scales, entity properties and printing. A basic course for anyone wanting to complete simple drawings for work or 2D applications such as a laser cutter. The course is also beneficial to individuals that are required to make minor edits to engineering drawings.

## **DRFT 151 3D Modeling with Fusion 360**

**1.5 Units**

*Hours: 16-18 lecture, 24-27 lab.*

Covers the use of Fusion 360's 3-Dimensional modelling and editing capabilities. Students will learn to develop 3D objects and assemblies through sketching, modeling and editing tools, before creating drawings and outputting models for 3D printing. This course is especially designed for students interested in Maker Technology. Fusion 360 is a web based program that is free to students and home based inventors. Companies who use Fusion 360 purchase licenses.

## **DRFT 161**

**3.0 Units**

### **Introduction to REVIT Architectural Software**

*Prerequisite: DRFT 060 with a minimum grade of C (may enroll concurrently); Permission of Instructor. Course Advisory: Understand architectural concepts and terminology as it relates to a single story house.*

*Hours: 32-36 lecture, 48-54 lab.*

Introduction to REVIT architectural software, basic commands and software workflow. Students will learn to design architectural structures in 3-Dimensions. Students will create building models using 3D design concepts, incorporate schedules, details and sections, add dimensions and produce working drawings and documentation.



# Economics for Transfer (AA-T)

## CAREER PATHS:

Economist  
Economics Teacher  
Banking  
Financial or Market Analyst  
Actuary.

Additional Career Paths and related data, including state-by-state wage info and growth in the field, can be found at [www.onetonline.org](http://www.onetonline.org).

This program map represents one possible pathway. See a counselor to create a customized education plan. Map is for the 2019-2020 catalog year.



## Economics

Associate in Arts for Transfer  
GE Pattern: IGETC  
Program Total Units: 61-68

For more information  
please contact:  
(707) 864-7101

## 1 FIRST SEMESTER

Total Recommended Units: 16

**ECON 001** 3 units  
Principles of Macroeconomics (IGETC 4)

**MATH 020** 5 units  
Analytic Geometry and Calculus I (IGETC 2)

**ENGL 001** 4 units  
College Composition (IGETC 1A)

**LR 010** 1 units  
Library Research and Information Competency

**IGETC 3A** 3 units

## 2 SECOND SEMESTER

Total Recommended Units: 17

**ECON 002** 3 units  
Principles of Microeconomics (IGETC 4)

**MATH 011** 4 units  
Elementary Statistics (IGETC 2)

**IGETC 1B** 4 units  
Suggested: ENGL 002 or 004

**IGETC 1C** 3 units  
Suggested: COMM 001 or 002 or 006

**Transferable Elective** 3 units  
Course #001-049

## 3 THIRD SEMESTER

Total Recommended Units: 15-19

**IGETC 5A or 5B** 3 units  
Without Lab. Whichever previously not taken.

**ECON List A of ADT** 3-5 units

**ECON List B of ADT** 3-5 units

**IGETC 3B/Am Inst Grp 2** 3 units  
Suggested: HIST 017 or 018 or 028 or 029 or 037 for Am Inst requirement

**Transferable Elective** 3 units  
Course #001-049

## 4 FOURTH SEMESTER

Total Recommended Units: 13-16

**IGETC 5A or 5B** 4-5 units  
With Lab

**IGETC 3A or 3B** 3 units

**IGETC 4/Am Inst Grp 1** 3 units  
Suggested: PLSC 001 or 005 for Am Inst requirement

**G - Transferable Elective** 3-5 units  
Course #001-049

\*Economic students interested in graduate school should also consider additional courses in mathematics, including Math 021, 022, and 040. See a counselor for a personalized education plan.

## GET STARTED NOW!

### Get started on your Pathway now with these recommended courses!

Then – See a counselor to create a **CUSTOMIZED** education plan personalized to your career and transfer goals!

Required courses may change depending on a student's career and transfer goals, including requirements for cross-cultural and foreign language courses, and/or specific requirements for an individual CSU or UC.

Unique transfer requirements for a specific institution can be found at [www.assist.org](http://www.assist.org).

## LET US HELP YOU!

How to Apply: [solano.edu/ar/apply.php](http://solano.edu/ar/apply.php)

■ **Questions? Talk to a Counselor Now!**  
Main Campus, Fairfield: (707) 864-7101  
Vacaville Center: (707) 863-7836  
Vallejo Center: (707) 642-8188  
Travis AFB: (707) 863-7878  
Visit online at [solano.edu/counseling](http://solano.edu/counseling)

### Contact Our Career Center to Learn Your Career Options!

Call 707-864-7124, or email at [CareerCenter@solano.edu](mailto:CareerCenter@solano.edu)  
Visit online at [solano.edu/career](http://solano.edu/career)

### You Can Afford College! Learn more about Financial Aid!

Call 707-864-7103, or email at [FinancialAid@solano.edu](mailto:FinancialAid@solano.edu)  
Visit online at [solano.edu/financial\\_aid](http://solano.edu/financial_aid)

■ **College is Accessible!** Contact our Disability Services Program (DSP) at 707-864-7136.

Required Courses/Courses in Discipline  GE Courses/Categories



# Economics

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

### Program Description

This curriculum is designed to provide an opportunity for economics majors to achieve an Associate in Arts Degree in Economics while completing the requirements for transfer to a California State University (CSU). This program is designed to introduce to students economic concepts and models, enabling them to analyze to specific situations and predict their outcomes.

### Associate in Arts in Economics for Transfer

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

### To earn the Associate in Arts in Economics 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 Economics for Transfer degree will be able to:

1. Analyze markets recognizing how outcomes may differ as a result of different market structures and changes in the market.
2. Evaluate the economic conditions of an economy, recommending appropriate monetary and fiscal policies.
3. Assess the costs and benefits of free trade and identify the impacts of trade barriers on the outcomes of trade.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
ECON 001 Principles of Economics (Macroeconomics) ..	3
ECON 002 Principles of Economics (Microeconomics) ...	3
MATH 011 Elementary Statistics .....	4
MATH 020 Analytic Geometry and Calculus I.....	5
One Course from List A.....	3-5
One Course from List B.....	3-5
<b>Total Units</b> .....	<b>21-24</b>

<b>List A:</b> (select one course).....	<b>Units</b>
MATH 021 Analytic Geometry and Calculus II.....	5
MATH 022 Analytic Geometry and Calculus III .....	4
MATH 023 Differential Equations .....	4
CIS 015 Programming in Visual Basic.NET.....	3
BUS 018 Legal Environment of Business.....	3
ACCT 001 Principles of Accounting - Financial .....	4
ACCT 002 Principles of Accounting - Managerial .....	4

<b>List B:</b> (Select one course) .....	<b>Units</b>
Any course from List A not already used.....	3-5
MATH 040 Introduction to Linear Algebra.....	3
<b>Required Major Total Units</b> .....	<b>21-24</b>
<b>CSU General Education or IGETC Pattern units</b> ....	<b>37-39</b>
<b>CSU Transferable Electives</b> (as needed to reach 60 transferable units)* .....	<b>7-12</b>
<b>Total Degree Units</b> .....	<b>60</b>

\*10 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.

# Economics

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## **ECON 001**

**3.0 Units**

### **Principles of Economics (Macroeconomics)**

*Prerequisite: MATH 330 with a minimum grade of C or recommendation of counselor or math instructor based on a Multiple Measures Evaluation.*

*Course Advisory: Eligibility for ENGL 001.*

*General Education: Option A: Area B2; Option B: Area 4B; Option C: Area D2*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

An introductory course focusing on aggregate economic analysis. Topics include: market systems, aggregate measures of economic activity, macroeconomic equilibrium, money and financial institutions, monetary and fiscal policy, international economics, and economic growth. Online work may be required. (C-ID ECON 202)

## **ECON 002**

**3.0 Units**

### **Principles of Economics (Microeconomics)**

*Prerequisite: MATH 330 with a minimum grade of C or recommendation of counselor or math instructor based on a Multiple Measures Evaluation.*

*Course Advisory: Eligibility for ENGL 001.*

*General Education: Option A: Area B2; Option B: Area 4B; Option C: Area D2*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

An introductory course focusing on choices of individual economic decision-makers. Topics include scarcity, specialization and trade, market equilibrium, elasticity, production and cost theory, market structures, factor markets, and market failure. Online work may be required. (C-ID ECON 201)

## **ECON 010 Global Economics**

**3.0 Units**

*Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard.*

*General Education: Option B: Area 4B; Option C: Area D2*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

An introductory course that examines patterns of international trade and development. In this course students will understand how economies around the world are linked. Students will examine issues of global trade, trade policies, exchange rate systems, developing countries and controversies regarding trade policy. Students may be required to complete work online.

# Education

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## Program Description

The program in Elementary Education is in development.

## Associate Degree

Not offered in this discipline.

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### **EDUC 001 Elementary Teacher Education 2.0 Units**

*Corequisite: One unit of OCED 090.*

*Course Advisory: ENGL 001 with a minimum grade of C.*

*Transferable to UC/CSU*

*Hours: 32-36 lecture.*

Introduction to careers in elementary teacher education. Students will study education from historical, philosophical, and ethical perspectives in K-12. Students will examine pedagogy; California content standards and frameworks; professional performance standards for elementary education; and approaches to teaching diverse learners in contemporary and complex learning environments. Concurrent enrollment in a one-unit OCED 090 class required, with 60 hours fieldwork in an approved elementary education setting.

*(EDUC 001 + OCED 090 = C-ID EDUC 200)*

### **EDUC 050 Introduction to Education 3.0 Units**

*Course Advisory: SCC minimum English standard.*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Survey of American education as a social institution. The course is designed for, but not limited to, students who are considering entering the teaching profession.

# Emergency Medical Technician

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

The required courses must be completed with a minimum grade of C.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
EMT 112 Emergency Medical Technician (Basic) .....	7
<b>Total Units</b> .....	<b>7</b>

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**EMT 112** **Emergency Medical Technician (Basic)** **7.0 Units**  
*Prerequisite: EMT 128 with a minimum grade of C.*  
*Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard.*  
*Hours: 80-90 lecture, 96-108 lab.*  
Based on state Emergency Medical Services Association regulations, the goal of the EMT (Basic) course is to acquire essential assessment and treatment skills for the delivery of prompt, efficient and 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 and 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 and 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.

**EMT 128** **Emergency Medical Responder** **3.0 Units**  
*Course Advisory: SCC minimum English and Math standards.*  
*Hours: 40-45 lecture, 24-27 lab.*  
Provides the student with the basic emergency care procedures for sick and injured victims as a first responder including but not limited to: cuts, abrasions, broken bones, trauma injuries, burns and respiratory/cardiovascular emergencies.

**EMT 213** **Emergency Medical Technician (Basic) Refresher** **1.0 Unit**  
*Prerequisite: EMT 112 or previous EMT 213.*  
*Hours: 13.5-15.17 lecture, 13.5-15.17 lab.*  
A review and update of EMT 112 course content and focuses on hands-on practice of all pre-hospital emergency skills, meeting the education requirements for EMT renewal. Topics and skills include: legal issues (including HIPAA), trauma, triage, use of airway/ventilation equipment with CPR, automated external defibrillation (AED), patient exam (medical & trauma), assessments and treatments for breathing, cardiovascular, neurologic, musculoskeletal, soft tissue injury, childbirth and environmental emergencies. Students apply assessments and treatments during pre-planned patient care skills scenarios to meet EMSA requirements for skills verification. May repeat every 1-2 years, *ad infinitum* (as stipulated by EMSA regulations for EMT I refresher and renewal).

# Engineering

## Engineering

### Program Description

Solano Community College offers a two-year lower division Engineering Program that is designed to prepare students to transfer to a four-year university. The lower division Engineering Core Courses recommended by the Engineering Liaison Committee of the State of California have been coordinated between community colleges and the four-year colleges and universities throughout California. As part of our Engineering Program, an Associate in Science Degree in Engineering is available. Although most engineering students transfer to a four-year university, those with an AS degree can also be employed in entry-level jobs that require two years of college-level science and math.

### Associate in Science Degree

The Associate in Science Degree in Engineering can be obtained by completing the 43-46-unit major and general education requirements. All courses for the major must be completed with a minimum grade of C or a grade of P if the course is taken on a Pass/No Pass basis.

### Program Outcomes

1. Demonstrate analytical problem solving skills in Math, Physics, Chemistry and Engineering.
2. Conduct experiments and critically assess the data.
3. Write professional laboratory reports and/or give oral presentations.

REQUIRED COURSES	Units
CHEM 001 General Chemistry I	5
MATH 020 Analytic Geometry and Calculus I	5
MATH 021 Analytic Geometry and Calculus II	5
MATH 022 Analytic Geometry and Calculus III	4
MATH 023 Differential Equations	4
PHYS 006 Physics for Science and Engineering	5
PHYS 007 Physics for Science and Engineering	5
Three courses from List A	10-13
<b>Required Major Total Units</b>	<b>43-46</b>

List A: (select three courses)	Units
CIS 022 Introduction to Programming	3
DRFT 045 Introduction to Computer-Aided Drafting (CAD)	4
ENGR 017 Introduction to Electrical Engineering	5
ENGR 030 Engineering Mechanics: Statics	4
ENGR 045 Properties of Materials	4
ENGR 026 Mathematics and Engineering Problem Solving Using Matlab	4
or	
MATH 026 Mathematics and Engineering Problem Solving Using Matlab	4

CSU General Education or IGETC Pattern units .... 37-39  
**Total Degree Units CSU GE or IGETC** ..... 68-75

Solano General Education ..... 21  
**Electives (as needed to reach 60 units)** ..... 0  
**Total Degree Units Solano GE** ..... 64-67

*\* 10-12 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.*

# Engineering

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## **ENGR 001 Introduction to Engineering 1.0 Unit**

*Course Advisory: Successful completion of ENGL 001; SCC minimum Math standard.*

*Transferable to UC/CSU*

*Hours: 16-18 lecture*

A first, non-technical course for engineering students and students considering majoring in engineering. Introduction to different engineering fields, the campus life of engineering students, schedule guidelines, opportunities in engineering, engineers' roles in society, ethics in engineering, and strategies and approaches required to survive math, science, and engineering courses. Possible field trips.

## **ENGR 017 5.0 Units**

### **Introduction to Electrical Engineering**

*Prerequisite: MATH 023 with a minimum grade of C (may enroll concurrently); PHYS 007 with a minimum grade of C.*

*General Education: Option C: Area B1, Area B3*

*Transferable to UC/CSU*

*Hours: 64-72 lecture, 48-54 lab.*

A study of basic circuit analysis techniques including Kirchhoff's laws, mesh-current, node-voltage, Thevenin and Norton equivalent; transient and steady-state responses of passive circuits; sinusoidal steady-state analysis; power calculations; operational amplifier; semiconductor devices. Weekly homework assignments and written tests, including a comprehensive final examination and lab reports, will be used to evaluate student success. (C-ID ENGR 260L)

## **ENGR 026 4.0 Units**

### **Mathematics and Engineering Problem Solving Using Matlab**

*Prerequisite: MATH 021 with a minimum grade of C (may enroll concurrently).*

*Transferable to UC/CSU*

*Hours: 48-54 lecture, 48-54 lab.*

Covers methodologies for solving mathematics and engineering problems. Students will learn to perform mathematics and engineering computation and visualization using the MATLAB language. Students will write a variety of programs in the MATLAB language. Same as MATH 026.

## **ENGR 030 Engineering Mechanics: Statics 4.0 Units**

*Prerequisite: A minimum grade of C in both MATH 021 and PHYS 006.*

*General Education: Option A: Area A; Option B: Area 5A; Option C: Area B1*

*Transferable to UC/CSU*

*Hours: 64-72 lecture.*

A study of the principles of statics of particles and rigid bodies as applied to equilibrium problems of two and three-dimensional structures, and the principles of friction, virtual work, and stability of equilibrium.

## **ENGR 045 Properties of Materials 4.0 Units**

*Prerequisite: A minimum grade of C in both PHYS 006 and CHEM 001.*

*General Education: Option C: Area B1*

*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.



# English (AA-T)

## CAREER PATHS:

Advertising Copywriter or Editor  
 English Language and/or Literature Teacher  
 Editor or Publisher  
 Journalist  
 Public Relations Specialist  
 Writer, Technical Writer, or Grant Writer

Additional Career Paths and related data, including state-by-state wage info and growth in the field, can be found at [www.onetonline.org](http://www.onetonline.org). This program map represents one possible pathway. See a counselor to create a customized education plan. Map is for the 2019-2020 catalog year.



**SOLANO**  
COMMUNITY COLLEGE

## ENGLISH

Associate in Arts for Transfer  
 GE Pattern: IGETC  
 Program Total Units: 61

For more information  
 please contact:  
 (707) 864-7114

### 1 FIRST SEMESTER

Total Recommended Units: 14

- ENGL 001** 4 units  
College Composition (IGETC 1A)  
Prerequisite for all other ENGL courses
- LR 010** 1 unit  
Library Research and Information  
Competency
- IGETC 2** 3 units  
Suggested: MATH 012
- IGETC 3A** 3 units
- IGETC 1C** 3 units  
Suggested: COMM 002 or 006

### 2 SECOND SEMESTER

Total Recommended Units: 16

- ENGL List A of ADT** 3 units
- ENGL 002** 4 units  
Critical Thinking and Writing  
about Literature (IGETC 1B)
- IGETC 4/Am Inst Grp 1** 3 units  
PLSC 001 or 005
- IGETC 3B/Am Inst Grp 2** 3 units  
Suggested: HIST 017 or 018
- IGETC 3A or 3B** 3 units

### 3 THIRD SEMESTER

Total Recommended Units: 16

- ENGL List A of ADT** 3 units
- ENGL List B of ADT** 3 units
- IGETC 5A or 5B with Lab** 4 units
- Transferable Elective** 3 units  
Suggested: Any course from List A, B,  
or C of the English ADT
- IGETC 4** 3 units

### 4 FOURTH SEMESTER

Total Recommended Units: 15

- ENGL List B of ADT** 3 units
- ENGL LIST C of ADT** 3 units
- IGETC 5A or 5B without Lab** 3 units
- Transferable Elective** 3 units  
Suggested: Any course from List A, B,  
or C of the English ADT
- IGETC 4** 3 units

Required Courses/Courses in Discipline  GE Courses/Categories

## GET STARTED NOW!

### Get started on your Pathway now with these recommended courses!

*Then* – See a counselor to create a **CUSTOMIZED** education plan personalized to your career and transfer goals!

Required courses may change depending on a student's career and transfer goals, including requirements for cross-cultural and foreign language courses, and/or specific requirements for an individual CSU or UC.

Unique transfer requirements for a specific institution can be found at [www.assist.org](http://www.assist.org).

## LET US HELP YOU!

How to Apply: [solano.edu/ar/apply.php](http://solano.edu/ar/apply.php)

### Questions? Talk to a Counselor Now!

Main Campus, Fairfield: (707) 864-7101  
 Vacaville Center: (707) 863-7836  
 Vallejo Center: (707) 642-8188  
 Travis AFB: (707) 863-7878  
 Visit online at [solano.edu/counseling](http://solano.edu/counseling)

### Contact Our Career Center to Learn Your Career Options!

Call 707-864-7124, or email at [CareerCenter@solano.edu](mailto:CareerCenter@solano.edu)  
 Visit online at [solano.edu/career](http://solano.edu/career)

### You Can Afford College! Learn more about Financial Aid!

Call 707-864-7103, or email at [FinancialAid@solano.edu](mailto:FinancialAid@solano.edu)  
 Visit online at [solano.edu/financial\\_aid](http://solano.edu/financial_aid)

**College is Accessible!** Contact our Disability Services Program (DSP) at 707-864-7136.



# English

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

### Program Description

The Associate in Arts Degree in English for Transfer (A.A.-T) is for students who intend to complete a bachelor's degree in English at a CSU. Students will take courses in English as well as related fields required for English majors. This program teaches writing, critical thinking, reading, and research skills as they apply to the areas of composition, creative writing, and the analysis of literature. Course work in creative writing is presented in sequenced writing workshops and courses in literary publishing. Course work in literature explores primarily British and American writers through genre, survey, figure, and thematic courses.

### Associate in Arts in English for Transfer

Students who complete this 19-unit major will be guaranteed admission with junior status to the California State University system, though not to a particular campus or major. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

### To earn the Associate in Arts in English for Transfer degree, students must:

1. Complete 60 semester units that are eligible for transfer to the California State University system, 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 an Associate in Arts in English for Transfer will be able to:

1. Demonstrate an ability to compose and communicate using appropriate rhetorical patterns and writing strategies.
2. Demonstrate college-level reading, writing, and analysis skills.
3. Demonstrate an understanding of the importance and influence of literature's study of the human condition in shaping and reflecting intellectual history and cultural identity.
4. Demonstrate, through study and analysis of literature from a variety of cultural or ethnic backgrounds and sexual orientations, an ability to recognize and examine assumptions about difference and social norms and an understanding of how the experience of reading literature from different perspectives can better prepare one for meaningful participation in a diverse global community.
5. Explore and/or demonstrate, through creative writing and/or analytical techniques, the practice and study of diverse literatures and publishing.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
ENGL 002 Critical Thinking and Writing About Literature .....	4
Two courses from List A.....	6
Two courses from List B .....	6
One course from List C .....	3
<b>Total Units</b> .....	<b>19</b>

<b>List A:</b> (select two courses).....	<b>Units</b>
ENGL 030 Survey of American Literature I .....	3
ENGL 031 Survey of American Literature II .....	3
ENGL 040 Survey of English Literature I .....	3
ENGL 041 Survey of English Literature II .....	3

<b>List B:</b> (select two courses) .....	<b>Units</b>
ENGL 006 Creative Writing I.....	3
ENGL 007 Creative Writing II .....	3
ENGL 010 Creative Writing III .....	3
ENGL 018 Introduction to Mythology .....	3
ENGL 021 Introduction to Poetry .....	3

ENGL 023 Introduction to the Modern Novel .....	3
ENGL 024 Introduction to the Short Story .....	3
ENGL 036 Multi-Ethnic Literature in America .....	3
ENGL 044 Introduction to Shakespeare.....	3
ENGL 058 Creative Writing: The Literary Magazine I .....	3
Any course from List A not already used.....	3

<b>List C:</b> (select one course) .....	<b>Units</b>
ENGL 059 Creative Writing: The Literary Magazine.....	3
HUMN 001 What it Means to be Human.....	3
Any course from List A or B not already used.....	3

<b>Required Major Total Units:</b> .....	<b>19</b>
<b>CSU General Education or IGETC Pattern Units</b> .....	<b>37-39</b>
<b>CSU Transferable Electives (as needed to reach 60 transferable units)*</b> .....	<b>11-13</b>
<b>Total Degree Units</b> .....	<b>60</b>

\* 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.

# English

## English

### Program Description

The Associate in Arts Degree in English provides the academic and practical experience for further education in English at a four-year institution or a career in English or further education or careers in fields related to English. By completing this program, students may complete transfer requirements to the CSU system and UC system as well as public and private universities both in and out of California to pursue a Bachelor's Degree in English, English Literature or Creative Writing. A Bachelor's Degree in English may also include various emphases such as creative writing, composition/rhetoric, education, literature, or linguistics. Students who complete the A.A. Degree in English will also satisfy the requirements for the AA-T degree in English. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

### Associate in Arts Degree

Students will take courses in English as well as in related fields required for English majors. The English program teaches writing, critical thinking, reading, and research skills as they apply to the areas of composition, creative writing, and the analysis of literature. Course work in creative writing is presented in sequenced writing workshops and courses in literary publishing. Course work in literature explores primarily British and American writers through genre, survey, figure, and thematic courses.

The Associate in Arts Degree in English can be obtained by completing the twenty-five (25) units for the major, general education requirements, 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 English Associate Degree will be able to:

1. Demonstrate an ability to compose and communicate using appropriate rhetorical patterns and writing strategies.
2. Demonstrate college-level reading, writing, and analytical skills.
3. Demonstrate an understanding of the importance and influence of literature's study of the human condition in shaping and reflecting intellectual history and cultural identity.
4. Demonstrate, through the study and analysis of literature from a variety of cultural or ethnic backgrounds and sexual orientations, an ability to recognize and examine assumptions about difference and social norms and an understanding of how the experience of reading literature from different perspectives can better prepare one for meaningful participation in a diverse global community.
5. Explore and demonstrate through creative writing and/or analytical techniques, the practice and study of diverse literatures and publishing.

### REQUIRED COURSES ..... Units

The courses are listed in the suggested sequence.

ENGL 002 Critical Thinking and Writing About Literature .....	4
Two courses from List A .....	6
Two courses from List B .....	6
Two courses from List C.....	6
One course from List D .....	3
<b>Required Major Total Units .....</b>	<b>25</b>

### List A: (select two courses)..... Units

ENGL 030 Survey of American Literature I .....	3
ENGL 031 Survey of American Literature II.....	3
ENGL 040 Survey of English Literature I .....	3
ENGL 041 Survey of English Literature II.....	3

### List B: (select two courses)..... Units

ENGL 006 Creative Writing 1 .....	3
ENGL 021 Introduction to Poetry .....	3
ENGL 023 Introduction to the Modern Novel.....	3
ENGL 024 Introduction to the Short Story .....	3
Any course from LIST A not already used .....	3

### List C: (select two courses)..... Units

ENGL 007 Creative Writing II .....	3
ENGL 010 Creative Writing III .....	3
ENGL 058 Creative Writing: The Literary Magazine I .....	3
ENGL 044 Introduction to Shakespeare.....	3
ENGL 018 Introduction to Mythology .....	3
ENGL 036 Multi-Ethnic Literature in America.....	3
Any course from List A or B not already used.....	3

### List D: (select one course)..... Units

ENGL 049 English Honors.....	3
ENGL 059 Creative Writing: The Literary Magazine II .....	3
HUMN 001 What it Means to be Human .....	3
Any course from List A, B, or C not already used.....	3

### CSU General Education or IGETC Pattern units..... 37-39

### Transferable Electives (as needed to reach 60 units)..... 2-4

**Total Degree Units CSU GE or IGETC .....**60

### Solano General Education.....21

### Electives (as needed to reach 60 units).....14

**Total Degree Units Solano GE.....**60

*\*6 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.*

# English

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## **ENGL 001 College Composition**

**4.0 Units**

*Corequisite:* LR 010.

*Prerequisite:* Multiple measure criteria based on the recommendation of the English department; or a minimum grade of C+ in AP English; or a minimum score of 90 on the sentence skills section of the assessment test; or a minimum SAT verbal score of 500; or a minimum ACT score of 23; or a grade of Pass in ENGL 370 or 348E or 380 or 348G; or a minimum grade of B in English 360; or concurrent enrollment in English 310D

*General Education:* Option A: Area D1; Option B: Area 1A; Option C: Area A2 English

*Transferable to UC/CSU*

*Hours:* 64-72 lecture.

A writing course which emphasizes critical reading, expository and argumentative writing, and mastery of library research techniques. It includes instruction and practice in critical thinking, in analytical reading and evaluation of written work, and in the methods of clearly communicating and supporting ideas in organized, coherent essays (min 750 words each). Students are required to write an average of 7500 formal words, including a research paper, based on essays, literature read in class, personal experience, and college-level research. (C-ID ENGL 100)

## **ENGL 002**

**4.0 Units**

### **Critical Thinking and Writing About Literature**

*Prerequisite:* ENGL 001 with a minimum grade of C.

*General Education:* Option A: Area C; Option B: Area 1B; Option C: Area A3

*Transferable to UC/CSU*

*Hours:* 64-72 lecture.

The development of critical thinking, reading, and writing skills as they apply to the analysis of fiction, poetry and drama, literary criticism, and related non-fiction from diverse cultural sources and perspectives. Emphasis is on the techniques and principles of effective written argument as they apply to literature. Essay examinations, critical papers, and some research projects are required. (C-ID ENGL 110)

## **ENGL 004**

**4.0 Units**

### **Critical Thinking and Composition: Language in Context**

*Prerequisite:* ENGL 001 with a minimum grade of C.

*Course Advisory:* SCC minimum Math standard.

*General Education:* Option A: Area D3; Option B: Area 1B;

Option C: Area A3

*Transferable to UC/CSU*

*Hours:* 64-72 lecture.

A study of the process of thought and its representation in writing, focusing on the formation of responsible opinions and their presentation in written argument. This course offers practice in the intellectual skills necessary for critical thinking, including observation, analysis, and research; it provides instruction in the organization, arrangement, and stylistic presentation of informative and argumentative writing; it examines the informative and argumentative writing of others and requires students to write their own analytical and argumentative essays. Essay examinations and critical papers are required. (C-ID ENGL 105)

## **ENGL 006 Creative Writing I**

**3.0 Units**

*Prerequisite:* ENGL 001 with a minimum grade of C.

*General Education:* Option C: Area C2

*Transferable to UC/CSU*

*Hours:* 48-54 lecture.

An introductory study of creative writing techniques in multiple genres. Students develop self-expression through writing and through individual and class criticism of student work. Frequent writing is required. (C-ID ENGL 200)

## **ENGL 007 Creative Writing II**

**3.0 Units**

*Prerequisite:* ENGL 006 with a minimum grade of C.

*General Education:* Option C: Area C2

*Transferable to UC/CSU*

*Hours:* 48-54 lecture.

An intermediate study of creative writing techniques. Students refine skills of self-expression through individual and class criticism of student work. Frequent writing and intense individual and class criticism of student work are requirements.

## **ENGL 010 Creative Writing III**

**3.0 Units**

*Prerequisite:* ENGL 007 with a minimum grade of C.

*Transferable to UC/CSU*

*Hours:* 48-54 lecture.

An advanced study of creative writing skills. Students will be expected to show proficiency in at least one genre (poetry, short story, drama, and novel). Frequent writing, intense individual and class criticism, and the compilation of an individual portfolio of genre-specific creative work are requirements.

# English

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## **ENGL 018 Introduction to Mythology 3.0 Units**

*Prerequisite: ENGL 001 with a minimum grade of C.*  
*General Education: Option A: Area C; Option B: Area 3B; Option C: Area C2*

*Transferable to UC/CSU*  
*Hours: 48-54 lecture.*

A survey of the major elements of mythology, its history and development as part of the human experience with a central focus on Western mythology, its origins and development as well as its appearance in and influence on literature. Examinations and papers are required.

## **ENGL 021 Introduction to Poetry 3.0 Units**

*Prerequisite: ENGL 001 with a minimum grade of C.*  
*General Education: Option A: Area C; Option B: Area 3B; Option C: Area C2*

*Transferable to UC/CSU*  
*Hours: 48-54 lecture.*

A study of poetry as a form of literature and art. This course examines the elements of poetry, the historical development of the genre, and the major themes treated by poetry. Examinations and critical papers are required.

## **ENGL 023 Introduction to the Modern Novel 3.0 Units**

*Prerequisite: ENGL 001 with a minimum grade of C.*  
*General Education: Option A: Area C; Option B: Area 3B; Option C: Area C2*

*Transferable to UC/CSU*  
*Hours: 48-54 lecture.*

A study of selected novels written during the 20th Century, including the development of the modern novel as a form of literature and the specific techniques and themes employed by novelists.

## **ENGL 024 Introduction to the Short Story 3.0 Units**

*Prerequisite: ENGL 001 with a minimum grade of C.*  
*General Education: Option A: Area C; Option B: Area 3B; Option C: Area C2*

*Transferable to UC/CSU*  
*Hours: 48-54 lecture.*

A study of the short story as a form of literature, examining the historical development of the short story, the literary elements of the genre, and the major themes treated by the short story. Examinations and critical papers are required.

## **ENGL 030 Survey of American Literature I 3.0 Units**

*Prerequisite: ENGL 001 with a minimum grade of C.*  
*General Education: Option A: Area C; Option B: Area 3B; Option C: Area C2*

*Transferable to UC/CSU*  
*Hours: 48-54 lecture.*

A survey of literature written in the United States from the time of early settlement to the end of the Civil War. Through focus on significant works of diverse writers, attention is given to major literary movements and to understanding, comparing, and contrasting the diverse political, religious, social, and cultural elements of literature in the United States. Written examinations and critical papers are required. (C-ID ENGL 130)

## **ENGL 031 Survey of American Literature II 3.0 Units**

*Prerequisite: ENGL 001 with a minimum grade of C.*  
*General Education: Option A: Area C; Option B: Area 3B; Option C: Area C2*

*Transferable to UC/CSU*  
*Hours: 48-54 lecture.*

A survey of literature written in the United States from the end of the Civil War to the present. Through focus on significant works of diverse writers, attention is given to significant literary movements and to understanding, comparing and contrasting the diverse political, religious, social and cultural elements of literature in the United States. Written examinations and critical papers are required. (C-ID ENGL 135)

## **ENGL 036 Multi-Ethnic Literature in America 3.0 Units**

*Prerequisite: ENGL 001 with a minimum grade of C.*  
*General Education: Option B: Area 3B; Option C: Area C2*  
*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

A study of representative literature by various American multicultural writers: Asian American, African American, European American, Latina/o, and Native American. Written examinations and critical papers are required.

## **ENGL 040 Survey of English Literature I 3.0 Units**

*Prerequisite: ENGL 001 with a minimum grade of C.*  
*General Education: Option A: Area C; Option B: Area 3B; Option C: Area C2*

*Transferable to UC/CSU*  
*Hours: 48-54 lecture.*

A study of major works of British authors from the Anglo-Saxon period through the Eighteenth Century, in poetry, prose, and drama. The course focuses on the development of a literature in English and explores how this literature responds to and shapes its historical and cultural context. It introduces students to the use of critical theory in the analysis of literature. Examinations and critical papers are required. (C-ID ENGL 160)



# English

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## **ENGL 041 Survey of English Literature II 3.0 Units**

*Prerequisite: ENGL 001 with a minimum grade of C.*  
*General Education: Option A: Area C; Option B: Area 3B; Option C: Area C2*

*Transferable to UC/CSU*  
*Hours: 48-54 lecture.*

A study of major works in poetry, prose, and drama from approximately 1798 to the present. The course focuses on the Romantic Movement, the Victorian Age, early 20th Century, modernism, postwar literature, post-colonial literature, and late 20th Century post-modernism. It examines the shifting relationship between literature and its historical and cultural contexts. It introduces students to questions of canon formation and the use of critical theory in the analysis of literature. Examinations and critical papers are required. (C-ID ENGL 165)

## **ENGL 044 Introduction to Shakespeare 3.0 Units**

*Prerequisite: ENGL 001 with a minimum grade of C.*  
*General Education: Option A: Area C; Option B: Area 3B; Option C: Area C2*

*Hours: 48-54 lecture.*

An introduction to Shakespearean drama and poetry through a study of representative comedies, histories, tragedies, and sonnets. Students will be concerned with dramatic and poetic principles as well as with an understanding of the historical context into which Shakespearean drama fits. Examinations and critical papers are required.

## **ENGL 049 English Honors 1.0 to 3.0 Units**

*Prerequisite: Completion of 24.0 units of college credit with a minimum GPA of 3.3; a minimum of 5.0 units in the discipline with a minimum grade of B; an ability to work independently; permission of the School Dean based on instructor availability.*

*Transferable to CSU*

*Hours: 48-162 lab by arrangement.*

An independent study project which generally results in a critical examination of literature of significant creative and/or analytical writing. Students may take this course up to the maximum number of units over multiple semesters. Three to nine hours by arrangement with instructor and School Dean.

## **ENGL 058 3.0 Units**

### **Creative Writing: The Literary Magazine I**

*Prerequisite: ENGL 001 with a minimum grade of C.*  
*General Education: Option A: Area C; Option C: Area C2*

*Transferable to CSU*  
*Hours: 48-54 lecture.*

A study of the contemporary American literary magazine and the practice of producing its own literary magazine, *The Suisun Valley Review*: requesting submissions, reviewing them, selecting material, arranging contents and determining the format. Students may write creatively and make their work available for class commentary, as well as for possible inclusion in the magazine.

## **ENGL 059 3.0 Units**

### **Creative Writing: The Literary Magazine II**

*Prerequisite: ENGL 058 with a minimum grade of C.*  
*General Education: Option A: Area C; Option B: Area 3B; Option C: Area C2*

*Transferable to CSU*  
*Hours: 48-54 lecture.*

An advanced study of the contemporary American literary magazine and the practice of publishing its own literary magazine, *The Suisun Valley Review*, where the student is expected to assume a lead editorial role. Students may write creatively and make their work available for class commentary, as well as for possible inclusion in the magazine.

## **ENGL 062 Analytical Reading 3.0 Units**

*Prerequisite: Eligibility for ENGL 370.*

*Course Advisory: ENGL 353.*

*Transferable to CSU*  
*Hours: 48-54 lecture.*

A college-level reading course designed to improve and enhance the student's ability to understand inferential reading passages. Emphasis is on the development of critical reading skills, including the ability to understand the author's point of view and to engage in textual analysis. In addition, the student should develop the ability to successfully critique college-level reading material by analyzing a variety of prose structures.

# English

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## **ENGL 310 Writing Skills Lab**

**0.5 to 1.5 Units**

*Hours: 16-54 lab by arrangement.*

Upon registration, each student's writing sample will be used to identify his/her individual writing problems, and an individualized program will be designed to provide instruction in those problem areas. Credit will be earned upon successful completion and mastery of the student's course of study and an appropriate number of hours as specified in each student's contract. Students may take this course up to the maximum number of units over multiple semesters. This is an Open Entry/Open Exit, Pass/No Pass only course.

## **ENGL 310A**

**1.5 Units**

### **Introductory Reading and Writing Skills**

*Hours: 32-36 lab, 40-45 lab by arrangement.*

Intensive instruction in developmental language processing skills, reading and writing skills, and general college survival skills. Success in this lab will be based on attendance, satisfactory completion of in-class reading and writing assignments. This is a Pass/No Pass only course.

## **ENGL 310D Advanced English Skills Lab**

**1.0 Unit**

*Corequisite: ENGL 001.*

*Hours: 48-54 lab.*

Intensive instruction in advanced reading and writing skills for students who are currently taking ENGL 001 or other transfer-level content courses. This class is designed to help students further hone their craft as writers and readers. Success in this lab will be based on attendance and satisfactory completion of in-class reading and writing assignments. This is a pass/no pass course.

## **ENGL 360 Focused English Fundamentals**

**5.0 Units**

*Prerequisite: A score of 0-89 on the sentence skills section of the assessment test; OR recommendation of a counselor or English instructor based on a Multiple Measures Evaluation (decided upon by the English department).*

*Hours: 80-90 lecture.*

An intensive English course which gives students the tools to read and write the sort of sophisticated texts required of them in transfer level courses.

## **ENGL 400**

**5.0 Units**

### **Advanced Technical Writing: Writing in the Scientific Professions**

*Prerequisite: Admission into the Biomanufacturing Baccalaureate degree program. A minimum grade of C in ENGL 001.*

Advanced study in technical writing with a focus on writing for the sciences, including memos, forms, resumés, proposals, formal and informal reports, and peer review strategies. Emphasis is on understanding the differences between academic and technical writing, including techniques for organizing, evaluating, and presenting information in the objective style required in modern technical communications, as well as current trends in technology and scientific discourse. Instruction includes writing as a process, from researching a problem to organizing and drafting a document, to testing, revising and editing that document. Students will learn to employ rhetorical strategies for effective visual and document design as well as how to address ethical, cultural, and political issues related to writing in the sciences. Currency in scientific writing and electronic publishing, including peer review, will also be emphasized. This course trains scientists to become more effective, efficient, and confident writers.

# English as a Second Language

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## Program Description

English as a Second Language is the use of English by speakers with different native languages. Instruction in grammar, pronunciation, reading, and orally communicating is given in English but contextualized in a manner that helps students move into college-level classes.

## Associate Degree

Not offered in this discipline.

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### ESL 074

6.0 Units

#### Intermediate Integrated ESL Skills

*Prerequisite:* A minimum grade of C in the following: ESL 372 and ESL 374; or ESL 334; or ESL 334B; or LOEP score: 2/3 in the range of 50-85.

*Transferable to CSU*

*Hours:* 96-108 lecture.

Brings together reading, composition, and grammar skills for intermediate-level ESL students. Students will study vocabulary and comprehension strategies for academic reading, read extensively for fluency, compose paragraph-length compositions, and develop control of a range of sentence structures and verb forms. Not available to students who have completed both ESL 078 and ESL 079. Not available to students who have completed ESL 074A and/or ESL 074B.

### ESL 074A

3.0 Units

#### Intermediate Integrated ESL Skills: Part 1

*Prerequisite:* Minimum grade of C in the following: ESL 372 and ESL 374; or ESL 334; or ESL 334B; or LOEP Score: 2/3 scores in the range of 50 - 85.

*Transferable to CSU*

*Hours:* 48-54 lecture.

The first half of a two-part intermediate integrated skills course which brings together reading, composition, and grammar skills for intermediate-level ESL students. Students will study vocabulary and comprehension strategies for academic reading, read extensively for fluency, compose paragraph-length compositions, and develop control of a range of sentence structures and verb forms. Not available to students who have completed ESL 074. Not available to students who have completed both ESL 078 and 079.

### ESL 074B

3.0 Units

#### Intermediate Integrated ESL Skills Part 2

*Prerequisite:* A minimum grade of C in the following: ESL 372 and ESL 374; or ESL 334; or ESL 334B; or LOEP Scores: 2/3 scores 50-85; or instructor approval.

*Course Advisory:* ESL 074A with a minimum grade of C.

*Transferable to CSU*

*Hours:* 48-54 lecture.

The second half of a two-part intermediate integrated skills course which brings together reading, composition, and grammar skills for intermediate-level ESL students. Students will study vocabulary and comprehension strategies for academic reading, read extensively for fluency, compose paragraph-length compositions, and develop control of a range of sentence structures and verb forms. Not available to students who have completed ESL 074. Not available to students who have completed ESL 078 and ESL 079.

### ESL 077 Conversation/Pronunciation Skills

3.0 Units

*Corequisite:* ESL 077L.

*Prerequisite:* A minimum grade of C in ESL 372, ESL 373, or ESL 374.

*Course Advisory:* ESL Assessment Test Score: At or above Level 2.

*Transferable to CSU*

*Hours:* 48-54 lecture.

Offers practice in acquiring patterns of American English grammar and pronunciation for the purpose of conversing clearly and completely. Includes practice in critically evaluating semantic and syntactic contrasts among various languages represented by students.

### ESL 077L ESL 077 Lab

0.5 Units

*Corequisite:* ESL 077.

*Course Advisory:* Familiarity with basic reading and writing skills, English alphabet letter names, numbers, and ability to follow directions.

*Transferable to CSU*

*Hours:* 24-27 lab.

Structured listening comprehension and pronunciation practice, basic grammar practice, and elementary word processing practice for students new to the English language who wish to improve their ability to speak and understand clearly. Instruction is individualized. Materials for the lab may be purchased in the bookstore. This is an Open Entry/Open Exit, Pass/No Pass only course.

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# English as a Second Language

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## **ESL 094 Advanced ESL Integrated Skills 6.0 Units**

*Prerequisite: A minimum grade of C in any of the following: ESL 074, ESL 074B, ESL 078, ESL 079 or LEOP scores: at least 2/3 scores over 85.*  
*Hours: 96-108 lecture.*

Brings together the reading, composition, and grammar skills offered in the advanced, discrete-skills courses ESL 055, ESL 006, and ESL 087. Students will study vocabulary and comprehension strategies for academic reading, read extensively for fluency, compose paragraph- and essay-length compositions, and practice the grammatical structures necessary to performing a variety of rhetorical tasks. Prepares ESL students for the reading and writing demands of 300-level English courses.

## **ESL 094A 3.0 Units**

### **Advanced ESL Integrated Skills Part 1**

*Prerequisite: A minimum grade of C in any of the following: ESL 078, ESL 079, ESL 074, ESL 074B, or LEOP scores: at least 2/3 scores over 85, or instructor approval.*

*Transferable to CSU*

*Hours: 48-54 lecture.*

The first half of a two-semester advanced integrated skills course, bringing together the reading, composition, and grammar skills to prepare non-native English speakers for the reading and writing demands of 300-level English courses. Students will study vocabulary and comprehension strategies for academic reading, read extensively for fluency, compose paragraph- and essay-length compositions, and practice the grammatical structures necessary to performing a variety of rhetorical tasks. Not available to students who have already taken ESL 094. Not available to students who have already taken ESL 055 and ESL 006.

## **ESL 094B 3.0 Units**

### **Advanced ESL Integrated Skills Part 2**

*Prerequisite: A minimum grade of C in any of the following: ESL 074 or both ESL 078 and ESL 079, or both ESL 074A and ESL 074B, or LOEP scores: 2/3 above 85, or instructor approval.*

*Course Advisory: ESL 094A with a minimum grade of C.*

*Transferable to CSU*

*Hours: 48-54 lecture.*

The second half of a two-semester advanced integrated skills course, bringing together the reading, composition, and grammar skills to prepare non-native English speakers for the reading and writing demands of 300-level English courses. Students will study vocabulary and comprehension strategies for academic reading, read extensively for fluency, compose paragraph- and essay-length compositions, and practice the grammatical structures necessary to performing a variety of rhetorical tasks. Not available to students who have already completed ESL 094. Not available to students who have already taken ESL 055 and ESL 006.

## **ESL 330 ESL Lab 0.5 to 1.5 Units**

*Course Advisory: Familiarity with basic reading and writing skills: English alphabet letter names, numbers, and ability to follow directions.*  
*Hours: 24-81 lab.*

Provides structured listening comprehension and pronunciation practice, basic grammar practice, and elementary word processing practice for students new to the English language who wish to improve their own ability to speak and understand clearly. Students may take this course up to the maximum number of units over multiple semesters. This is an Open Entry/Open Exit, Pass/No Pass only course.

## **ESL 334 6.0 Units**

### **Introductory Integrated ESL Skills: Reading, Writing, and Grammar**

*Course Advisory: Familiarity with basic reading and writing skills, English alphabet letter names, numbers, and ability to follow directions, and ESL test score for "Level 1."*

*Hours: 96-108 lecture.*

Introduces reading, writing, and grammar skills for low-intermediate-level ESL students. Students will study vocabulary and comprehension strategies, read for fluency, compose paragraphs, and develop familiarity with basic English sentence patterns and verb forms. Not available to students who have completed ESL 334A or 334B.

## **ESL 334A 3.0 Units**

### **Introductory Integrated ESL Skills: Reading, Writing, and Grammar Part 1**

*Prerequisite: LOEP Assessment test score up to 30.*

*Hours: 48-54 lecture.*

The first half of a two-semester introductory integrated skills course, introducing the reading, writing and grammar skills for low-intermediate level non-native English speakers. Students will study vocabulary and comprehension strategies, compose paragraphs and develop familiarity with basic English sentence patterns and verb forms. Not available to students who have completed ESL 334.

# English as a Second Language

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## ESL 334B

3.0 Units

### Introductory Integrated ESL Skills: Reading, Writing, and Grammar Part 2

*Prerequisite: LOEP Assessment test scores up to 30.*

*Course Advisory: ESL 334A with a minimum grade of C.*

*Hours: 48-54 lecture.*

The second half of a two-semester introductory integrated skills course, introducing the reading, writing and grammar skills for low-intermediate level non-native English speakers. Students will study vocabulary and comprehension strategies, compose paragraphs and develop familiarity with basic English sentence patterns and verb forms. Not available to students who have completed ESL 334.

## ESL 373 ESL Basic Oral Communication Skills 3.0 Units

*Corequisite: ESL 373L.*

*Course Advisory: Familiarity with basic reading and writing skills, English alphabet letter names, numbers, and ability to follow directions and ESL Assessment Test Score: Level 3.*

*Hours: 48-54 lecture.*

For students still developing fluency in spoken English, this course offers practice in mastering the patterns of spoken American English through study of the English sound system (pronunciation), conversation strategies, related grammar, writing, and spelling at a high-beginning level of proficiency with oral communication and listening as the focus.

## ESL 373L ESL 373 Lab

0.5 Unit

*Corequisite: ESL 373.*

*Hours: 24-27 lab.*

Provides structured listening comprehension and pronunciation practice, basic grammar practice, notetaking practice and elementary word processing practice for students new to the English language who wish to improve their ability to speak and understand clearly. Instruction is individualized. Materials for the Lab may be purchased in the Solano College Bookstore.

## ESL 374 Fundamentals of ESL Grammar

3.0 Units

*Course Advisory: Familiarity with basic reading and writing skills, English alphabet letter names, numbers, and ability to follow directions and ESL Assessment Test Score: Level 3.*

*Hours: 48-54 lecture.*

The major goals of this course are increasing fluency and comprehension in speaking, listening, reading and writing English through the careful, guided study of grammar: Present, future and past verb tenses, singular and plural nouns, constructing simple sentences, special verbs and patterns, idioms to facilitate communication, spelling and study skills for learning a language. Attendance, participation, completion of quizzes and homework assignments requiring reading and writing will determine the student's success in completing the course.

## ESL 534

0.0 Units

### Introductory Integrated ESL Skills: Reading, Writing, and Grammar

*Course Advisory: Familiarity with basic reading and writing skills, English alphabet letter names, numbers, and ability to follow directions, and intake assessment results indicating readiness.*

*Hours: 96-108 lecture.*

Introduction to reading, writing, and grammar skills for low-intermediate-level ESL students. Students will study vocabulary and comprehension strategies, read for fluency, compose paragraphs, and develop familiarity with basic English sentence patterns and verb forms.

## ESL 534A

0.0 Unit

### Introductory Integrated ESL Skills: Reading, Writing and Grammar Part 1

*Course Advisory: Familiarity with basic reading and writing skills, English alphabet letter names, numbers, and ability to follow directions, and ESL test score for "Level 1."*

*Hours: 48-54 lecture.*

The first half of a non-credit, two-semester introductory integrated skills course. This course introduces reading, writing and grammar skills for low-intermediate level English learners. Students will study vocabulary and comprehension strategies, compose paragraphs and develop familiarity with basic English sentence patterns and verb forms.

## ESL 573 Oral Communication Skills

0.0 Units

*Course Advisory Hours: 48-54 lecture.*

For students developing fluency in spoken English, this course offers practice in mastering the patterns of spoken American English through study of the English sound system (pronunciation); conversation strategies; and related grammar, writing, and spelling at a high-beginning level of proficiency with oral communication and listening as the focus.

# Film and Television

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## Film and Television

See also *Sports Broadcasting – Certificate of Achievement in Communication Studies*

### Program Description

This program is designed to provide fundamental theory and practical experiences required for a career in film and/or television.

### Associate in Arts Degree

The Associate in Arts Degree can be obtained upon completion of the 19–20-unit major, general education requirements, 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 Film and Television Associate Degree will be able to:

1. Conceive, structure, organize, produce, direct, film and edit to successful completion a short digital film and TV program.
2. Conceive, structure, organize and write film and TV treatments and scripts.
3. Critically evaluate film.
4. View and evaluate films, providing written and verbal critiques.
5. Demonstrate knowledge of film theory and history and TV/radio broadcasting mediums.

REQUIRED COURSES .....	Units
CINA 010 The Art of Cinema .....	3
CINA 015 Film Production .....	4
TV 050 Survey of Broadcasting .....	3
TV 055 Beginning Television Production .....	3
TV 060 Television and Film Writing .....	3
TV 056 Advanced Television Production .....	3
or	
CINA 016 Film Production .....	4
<b>Required Major Total Units .....</b>	<b>19–20</b>

**CSU General Education or IGETC Pattern units .... 37-39**  
**Transferable Electives (as needed to reach 60 units).. 4-7**  
**Total Degree Units CSU GE or IGETC .....** 60

**Solano General Education..... 21**  
**Electives (as needed to reach 60 units)..... 19-20**  
**Total Degree Units Solano GE..... 60**

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

# Film and Television

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## Cinematography

### **CINA 010 Introduction to Cinema Studies 3.0 Units**

*Course Advisory: Eligibility for ENGL 001.*

*General Education: Option A: Area C; Option B: Area 3A; Option C: Area C1*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Introduction to the close analysis of film texts. Examines the broad questions of form and content, aesthetics and meaning, and history and culture. Explores the diverse possibilities presented by the cinematic art form through an examination of a wide variety of productions, national cinemas, and film movements. Topics include modes of production, narrative and non-narrative forms, visual design, editing, sound, genre, ideology and critical analysis. Written exams, film screenings, and film discussion are required.

### **CINA 011 American Cultures in Film 3.0 Units**

*Course Advisory: ENGL 001.*

*General Education: Option A: Area C, Area E; Option B: Area 3A; Option C: Area C1, SCC Graduation Requirement*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

A film studies approach to understanding ethnicity, culture, race, discrimination, gender, class and pluralism in America. Includes screenings of films by and/or about Asian Americans, African-Americans, European Americans, Hispanic Americans, Native Americans, and selected readings, written critical analysis and discussion.

### **CINA 015 Film Production 4.0 Units**

*Prerequisite: CINA 010 with a minimum grade of C (may enroll concurrently).*

*Transferable to UC/CSU*

*Hours: 48-54 lecture, 48-54 lab by arrangement.*

An introduction to digital film production equipment, techniques and principles. Includes applications of producing, directing, writing, cinematography, editing and sound recording. Students are required to demonstrate knowledge of the above in student-produced digital films, exercises and written work.

### **CINA 016 Film Production 4.0 Units**

*Prerequisite: CINA 015 with a minimum grade of C.*

*Transferable to UC/CSU*

*Hours: 48-54 lecture, 48-54 lab.*

The application of filmmaking principles and techniques in the production of student produced animated, documentary, educational and/or dramatic films. Emphasis is on developing skill and creativity as a producer/director and refining basic technical competence. A final film project is required.

## Television

### **TV 050 Survey of Broadcasting 3.0 Units**

*Course Advisory: SCC minimum English standard.*

*General Education: Option A: Area C; Option C: Area D7*

*Transferable to CSU*

*Hours: 48-54 lecture.*

Introduction to radio and television as mediums of mass communication. The history, development and structure of radio and television are studied, and their impact on society and culture. Students are required to demonstrate knowledge of course content through written tests and projects.

### **TV 055 Beginning Television Production 3.0 Units**

*Prerequisite: TV 050 (may be taken concurrently).*

*Transferable to CSU*

*Hours: 48-54 lecture.*

Introductory training in the fundamentals of TV studio production, including producing, directing, scriptwriting, performing, production crewing, set graphics and designing. TV production projects are required.

### **TV 056 Advanced Television Production 3.0 Units**

*Prerequisite: TV 055 or previous television production experience.*

*Transferable to CSU*

*Hours: 48-54 lecture, 16-18 lab.*

Presents the fundamentals of on-location and studio production applied to news, public affairs, and dramatic programs. Students are required to produce, direct, write, and crew on TV programs.

### **TV 060 Television and Film Writing 3.0 Units**

*Course Advisory: ENGL 001.*

*Transferable to CSU*

*Hours: 48-54 lecture.*

Presents the fundamental principles, techniques and formats of writing for film and TV, including analysis and study of professionally written scripts. Scriptwriting assignments for news, public affairs, editorials, public service announcements, commercials, documentaries, and dramas are required.

### **TV 061 Advanced Film Writing 3.0 Units**

*Prerequisite: TV 060 or presentation of a treatment or well structured story line acceptable to the instructor.*

*Transferable to CSU*

*Hours: 48-54 lecture.*

Script writing for the motion picture, including dramatic structure, scene and sequence structure, and character development. Each student will complete an original script for a full length motion picture.

# Film and Television

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**TV 099 Telecommunications Honors 1.0 to 3.0 Units**

*Prerequisite: Completion of 24.0 units of college credit with a minimum GPA of 3.3; a minimum of 5.0 units in the discipline with a minimum grade of B; an ability to work independently; permission of the School Dean based on instructor availability.*

*Transferable to CSU*

*Hours: 48-162 lab by arrangement.*

Allows the advanced student to work independent of the structured classroom environment in areas of special concern during hours set by arrangement with instructor. Students are required to complete their independent study goals as arranged through contract with their instructor at the beginning of the semester. Students may take this course up to the maximum number of units over multiple semesters.

# Fire Technology

## 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-unit major. The Associate in Science Degree can be obtained upon completion of the 30-unit major, general education requirements, 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. Identify minimum qualifications and entry-level skills for fire fighter hiring.
2. Demonstrate knowledge of fire service history, culture, and diversity.
3. Demonstrate the ability to analyze, appraise and evaluate fire and emergency incidents and identify components of emergency management and fire fighter safety.
4. 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.
5. Analyze the causes of fire; determine extinguishing agents and methods; differentiate the stages of the fire and compare methods of heat transfer.
6. Calculate flow requirements for fire apparatus; diagram a pump and plumbing schematic for fire apparatus; and apply mathematic formulae to hydraulics problems.
7. Identify and describe common types of building construction and conditions associated with structural collapse and fire fighter safety.
8. Differentiate between fire detection and fire suppression systems; design and diagram a wet and dry fire protection system; and identify alarm system components and their operations.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
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 Units from Recommended Electives .....	12
<b>Required Major Total Units</b> .....	<b>30</b>

<b>Recommended Electives: (select 12 Units)</b> .....	<b>Units</b>
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
<b>Solano General Education</b> .....	<b>21</b>
<b>Electives (as needed to reach 60 units)</b> .....	<b>9</b>
<b>Total Degree Units Solano GE</b> .....	<b>60</b>

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



# Fire Technology

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## **FIRE 050 Principles of Emergency Services 3.0 Units**

*Course Advisory: SCC minimum English standard.*

*Transferable 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 051 Fire Behavior & Combustion 3.0 Units**

*Course Advisory: SCC minimum English standard.*

*Transferable to CSU*

*Hours: 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.

## **FIRE 053 Fire Prevention Applications 3.0 Units**

*Course Advisory: SCC minimum English standard.*

*Transferable to CSU*

*Hours: 48-54 lecture.*

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 to fire safety education and detection and suppression 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 054 Fire Protection Systems 3.0 Units**

*Course Advisory: SCC minimum English standard.*

*Transferable to CSU*

*Hours: 48-54 lecture.*

Provides information relating to the features of design and operation of fire detection and alarm systems and heat and smoke control systems. It will discuss special protection and sprinkler systems, water supply for fire protection, and portable fire extinguishers. 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 056 3.0 Units**

### **Building Construction as it Relates to the Fire Service**

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to CSU*

*Hours: 48-54 lecture.*

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 minimum grade of C in order to receive an Associate Degree or Certificate of Achievement in Fire Technology.

## **FIRE 101 3.0 Units**

### **Principles of Fire and Emergency Services Safety and Survival**

*Course Advisory: ENGL 001 and SCC minimum Math standard.*

*Hours: 48-54 lecture.*

Introduction to basic principles and history related to the firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services.



# Fire Technology

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## **FIRE 140 Fire Technology Academy 24.0 Units**

*Prerequisite: A minimum grade of C in FIRE 050, FIRE 101, EMT 128 and a passing grade on the CPAT or PACK test as evidenced by a certificate of completion.*

*Hours: 224-252 lecture, 480-540 lab.*

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 maintain 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 a recognized fire entity. NOTE: Additional fees are associated with this course. Fees may include and are not limited to purchase of uniforms, physical fitness attire, State Fire Marshal certificates, and other related costs. The Solano College Fire Technology Program and its appurtenant Firefighter I Academy is a California State Fire Marshal Accredited Regional Training Program. Field trips may be required. Students will be required to rent, at their cost, all or portions of personal protective equipment (PPE) needed for academy events. If a student is sponsored by a fire department and said department provides the student with necessary PPE, he/she will not be required to rent PPE.

# French (AA)

## CAREER PATHS:

Foreign Language and/or Literature Teacher

Interpreter and/or Translator

International Affairs & Business,

Fashion, Travel and Tourism,

Wine Industry

Additional Career Paths and related data, including state-by-state wage info and growth in the field, can be found at [www.onetonline.org](http://www.onetonline.org). This program map represents one possible pathway. See a counselor to create a customized education plan. Map is for the 2019-2020 catalog year.



**SOLANO**  
COMMUNITY COLLEGE

## FRENCH

Associate in Arts  
GE Pattern: IGETC  
Program Total Units: 63-64

For more information  
please contact:  
(707) 864-7114

## 1 FIRST SEMESTER

Total Recommended Units: 16-17

**FREN 001** 5 units  
First Semester French (IGETC 6)

**ENGL 001** 4 units  
College Composition (IGETC 1A)

**LR 010** 1 unit  
Introduction to Library Research & Information Competency

**IGETC 1C** 3 units  
Suggested: COMM 001 or 002 or 006 for IGETC 1C

**IGETC 2** 3-4 units  
Suggested: MATH 011 or 012

## 2 SECOND SEMESTER

Total Recommended Units: 15

**FREN 002** 5 units  
Second Semester French (IGETC 3B)

**IGETC 1B** 4 units  
Suggested: ENGL 002 or 004

**IGETC 3B/Am Inst Grp 2** 3 units  
Suggested: HIST 017 or 018 or 028 or 029 or 037 for Am Inst

**IGETC 5A/5B without Lab** 3 units  
Suggested: ASTR 10 or GEOG 001 or GEOL 001

## 3 THIRD SEMESTER

Total Recommended Units: 15

**FREN 003** 5 units  
Third Semester French

**FREN 011** 3 units  
Conversational French

**IGETC 5A/5B with Lab** 4 units  
Suggested: BIO 012 with 012(L) or 015(L) or 019(L)

**IGETC 4/Am Inst Grp 1** 3 units  
Suggested: PLSC 001 or 005 for Am Inst requirement

## 4 FOURTH SEMESTER

Total Recommended Units: 17

**FREN 004** 5 units  
Fourth Semester French

**FREN 012** 3 units  
Intermediate French Conversation

**IGETC 4** 3 units

**IGETC 4** 3 units

**IGETC 3A** 3 units

## GET STARTED NOW!

### Get started on your Pathway now with these recommended courses!

*Then* – See a counselor to create a **CUSTOMIZED** education plan personalized to your career and transfer goals!

Required courses may change depending on a student's career and transfer goals, including requirements for cross-cultural and foreign language courses, and/or specific requirements for an individual CSU or UC.

Unique transfer requirements for a specific institution can be found at [www.assist.org](http://www.assist.org).

## LET US HELP YOU!

**How to Apply:** [solano.edu/ar/apply.php](http://solano.edu/ar/apply.php)

### Questions? Talk to a Counselor Now!

Main Campus, Fairfield: (707) 864-7101  
Vacaville Center: (707) 863-7836  
Vallejo Center: (707) 642-8188  
Travis AFB: (707) 863-7878  
Visit online at [solano.edu/counseling](http://solano.edu/counseling)

### Contact Our Career Center to Learn Your Career Options!

Call 707-864-7124, or email at [CareerCenter@solano.edu](mailto:CareerCenter@solano.edu)  
Visit online at [solano.edu/career](http://solano.edu/career)

### You Can Afford College! Learn more about Financial Aid!

Call 707-864-7103, or email at [FinancialAid@solano.edu](mailto:FinancialAid@solano.edu)  
Visit online at [solano.edu/financial\\_aid](http://solano.edu/financial_aid)

**College is Accessible!** Contact our Disability Services Program (DSP) at 707-864-7136.

Required Courses/Courses in Discipline  GE Courses/Categories

# Spanish for Transfer (AA-T)

## CAREER PATHS:

Foreign Language and/or Literature Teacher  
 Interpreter  
 Translator

Additional Career Paths and related data, including state-by-state wage info and growth in the field, can be found at [www.onetonline.org](http://www.onetonline.org).

This program map represents one possible pathway. See a counselor to create a customized education plan. Map is for the 2019-2020 catalog year.



**SOLANO**  
 COMMUNITY COLLEGE

## Spanish

Associate in Arts for Transfer  
 GE Pattern: IGETC  
 Program Total Units: 60

**For more information  
 please contact:  
 (707) 864-7114**

## 1 FIRST SEMESTER

Total Recommended Units: 16

- SPAN 001** 5 units  
First semester Spanish (IGETC 6)
- ENGL 001** 4 units  
English Composition (IGETC 1A)
- LR 010** 1 units  
Library Research and Information Competency
- IGETC 2** 3 units  
Suggested: Math 012
- IGETC 1C** 3 units  
Suggested: Comm 001 or 002 or 006

## 2 SECOND SEMESTER

Total Recommended Units: 15

- SPAN 002** 5 units  
Second Semester Spanish
- IGETC 4** 3 units
- IGETC 3B/Am Inst Grp 2** 3 units  
Suggested: HIST 017 or 18 or 028 or 029 or 037
- IGETC 1B** 4 units  
Suggested: ENGL 002 OR 004

## 3 THIRD SEMESTER

Total Recommended Units: 15

- SPAN 003** 5 units  
Third Semester Spanish
- SPAN 011** 3 units  
Conversational Spanish (IGETC 3B)
- IGETC 5A or 5B** 4 units  
With Lab
- IGETC 3A** 3 units

## 4 FOURTH SEMESTER

Total Recommended Units: 14

- SPAN 004** 5 units  
Fourth Semester Spanish
- Transferable Elective** 3 units  
Course #001-049
- IGETC 4/Am Inst Grp 2** 3 units  
Suggested: PLSC 001 or 005
- IGETC 5A or 5B** 3 units  
With or Without Lab. Whichever not previously taken.

Required Courses/Courses in Discipline     GE Courses/Categories

## GET STARTED NOW!

- ▶ **Get started on your Pathway now with these recommended courses!**  
*Then* – See a counselor to create a **CUSTOMIZED** education plan personalized to your career and transfer goals!
- ▶ Required courses may change depending on a student's career and transfer goals, including requirements for cross-cultural and foreign language courses, and/or specific requirements for an individual CSU or UC.
- ▶ Unique transfer requirements for a specific institution can be found at [www.assist.org](http://www.assist.org).

## LET US HELP YOU!

**How to Apply:** [solano.edu/ar/apply.php](http://solano.edu/ar/apply.php)

- **Questions? Talk to a Counselor Now!**  
 Main Campus, Fairfield: (707) 864-7101  
 Vacaville Center: (707) 863-7836  
 Vallejo Center: (707) 642-8188  
 Travis AFB: (707) 863-7878  
 Visit online at [solano.edu/counseling](http://solano.edu/counseling)
- **Contact Our Career Center to Learn Your Career Options!**  
 Call 707-864-7124, or email at [CareerCenter@solano.edu](mailto:CareerCenter@solano.edu)  
 Visit online at [solano.edu/career](http://solano.edu/career)
- **You Can Afford College! Learn more about Financial Aid!**  
 Call 707-864-7103, or email at [FinancialAid@solano.edu](mailto:FinancialAid@solano.edu)  
 Visit online at [solano.edu/financial\\_aid](http://solano.edu/financial_aid)
- **College is Accessible!** Contact our Disability Services Program (DSP) at 707-864-7136.

# Foreign Languages

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

### Program Description

The Associate in Arts Degree in Spanish for Transfer (A.A.-T) is for students who intend to complete a bachelor's degree in Spanish at a CSU. Students will take courses in Spanish required for Spanish majors. This program teaches writing, reading, speaking, listening and comprehension in the target language, as well as critical thinking skills in the context of engaging and processing cultural materials, with the intent to heighten cultural awareness and sensitivity to diversity.

### Associate in Arts in Spanish for Transfer Degree

Students who complete this degree will be guaranteed admission with junior status to the California State University system, though not to a particular campus or major. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

### To earn the Associate in Arts in Spanish 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 Spanish for Transfer degree, will be able to:

1. Build cultural awareness of Spanish-speaking cultures through comparison and contrast of linguistic variances, as well as various customs, societies, and institutions.
2. Demonstrate reading, writing, and analysis in Spanish at the intermediate/high to advanced proficiency level based on the ACTFL guidelines.
3. Demonstrate oral and aural abilities in Spanish at the intermediate/high to advanced proficiency level based on the ACTFL guidelines.

<b>REQUIRED COURSES</b> ..... <b>Units</b>	<b>List A: (select one course)</b> ..... <b>Units</b>
SPAN 001 First Semester Spanish..... 5	HIST 031 Mexican American/Chicano History..... 3
SPAN 002 Second Semester Spanish..... 5	SPAN 011 Conversational Spanish..... 3
SPAN 003 Third Semester Spanish..... 5	SPAN 012 Intermediate Spanish Conversation..... 3
or	SOCS 022 Ethnic, Racial and Minority Group Relations in Harmony and Conflict..... 3
SPAN 001S Spanish for Spanish Speakers 1..... 5	SPAN 025 Introduction to Latin-American Culture: Exploration of Identity Through Essay, Film, and Short Story..... 3
SPAN 004 Fourth Semester Spanish..... 5	SPAN 026 Spanish Cinema for Conversation..... 3
or	SOCS 025 Mexican-American Experience..... 3
SPAN 002S Spanish for Spanish Speakers 2..... 5	
One course from List A..... 3	<b>CSU General Education or IGETC Pattern units .... 37-39</b>
<b>Required Major Total Units</b> ..... <b>23</b>	<b>CSU Transferable Electives</b>
	<b>(as needed to reach 60 transferable units)* ..... 7-9</b>
	<b>Total Degree units</b> ..... <b>60</b>

*\* 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.*

# Foreign Languages

## Foreign Languages, General

### Program Description

This program introduces the fundamentals of language learning (listening, speaking, reading, writing, and culture) with emphasis on language production, grammar, syntax, vocabulary acquisition, and exposure to the culture. This program provides study in more than one language.

### Associate in Arts Degree

The Associate in Arts Degree can be obtained by completing a minimum of 20 units from major in the two different languages, general education requirements, 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 Foreign Languages, General Associate Degree will be able to:

1. Converse in an intermediate level in two or more languages: American Sign Language (ASL), French, or Spanish
2. Demonstrate grammatical and semantic proficiency in paragraph or narrative mode (for ASL) at the intermediate-low level.
3. Understanding of cultural and community differences

### REQUIRED COURSES

Select a minimum of 20 units combined from the two different languages.

<b>French</b> .....	<b>Units</b>	<b>CSU General Education or IGETC Pattern units...37-39</b>
FREN 001 First Semester French.....	5	<b>Transferable Electives (as needed to reach 60 units).. 7-9</b>
or		<b>Total Degree Units CSU GE or IGETC..... 60</b>
FREN 031 First Semester French, Part 1.....	3	
and		<b>Solano General Education..... 21</b>
FREN 032 First Semester French, Part 2.....	3	<b>Electives (as needed to reach 60 units)..... 19</b>
		<b>Total Degree Units Solano GE..... 60</b>
FREN 002 Second Semester French.....	5	
FREN 003 Third Semester French.....	5	
FREN 004 Fourth Semester French.....	5	
FREN 011 Conversational French .....	3	
FREN 012 Intermediate French Conversation .....	3	
<b>Spanish</b> .....	<b>Units</b>	
SPAN 001 First Semester Spanish.....	5	
or		
SPAN 031 First Semester Spanish, Part 1.....	3	
and		
SPAN 032 First Semester Spanish, Part 2.....	3	
SPAN 002 Second Semester Spanish .....	5	
or		
SPAN 033 Second Semester Spanish, Part 1.....	3	
and		
SPAN 034 Second Semester Spanish, Part 2.....	3	
SPAN 003 Third Semester Spanish .....	5	
SPAN 004 Fourth Semester Spanish.....	5	
SPAN 011 Conversational Spanish .....	3	
SPAN 012 Intermediate Spanish Conversation .....	3	
<b>Required Major Total Units .....</b>	<b>20</b>	

\* 6 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.

# Foreign Languages

## Foreign Languages, Individual

### Program Description

This program introduces the fundamentals of language learning (listening, speaking, reading, writing, and culture) with emphasis on language production, grammar, syntax, vocabulary acquisition, and exposure to the culture. This program requires study be accomplished in one language only.

### Associate in Arts Degree

The Associate in Arts Degree can be obtained by completing a minimum of 18 units in one of the languages general education requirements, 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 Foreign Languages, Individual Associate Degree will be able to:

1. Converse at an intermediate-mid level in one language: American Sign-Language (ASL), French, or Spanish
2. Demonstrate grammatical and semantic proficiency in paragraph or narrative mode (for ASL) at the intermediate-mid level in one language: American Sign Language (ASL), French, or Spanish
3. Demonstrate understanding of cultural and community differences

### REQUIRED COURSES

<b>Foreign Language, French</b> (select 18 units).....	<b>Units</b>	SPAN 032 First Semester Spanish, Part 2.....	3
FREN 001 First Semester French.....	5	SPAN 033 Second Semester Spanish, Part 1.....	3
FREN 002 Second Semester French.....	5	SPAN 034 Second Semester Spanish, Part 2.....	3
FREN 003 Third Semester French.....	5	SPAN 049 Spanish Honors.....	1 - 3
FREN 004 Fourth Semester French.....	5	SPAN 061M Beginning Spanish, Part 1 for Medical Workers.....	3
FREN 011 Conversational French.....	3	SPAN 062M Beginning Spanish, Part 2 for Medical Workers.....	3
FREN 012 Intermediate French Conversation.....	3	SPAN 063M Beginning Spanish, Part 3 for Medical Workers.....	3
FREN 031 First Semester French, Part 1.....	3	SPAN 064M Beginning Spanish, Part 4 for Medical Workers.....	3
FREN 032 First Semester French, Part 2.....	3	SPAN 001S Spanish for Spanish Speakers 1.....	5
FREN 049 French Honors.....	1 - 3	SPAN 002S Spanish for Spanish Speakers 2.....	5
<b>Foreign Language, Spanish</b> (select 18 units).....	<b>Units</b>	<b>Required Major Total Units.....</b>	<b>18</b>
SPAN 001 First Semester Spanish.....	5	<b>CSU General Education or IGETC Pattern units....</b>	<b>37-39</b>
SPAN 002 Second Semester Spanish.....	5	<b>Transferable Electives (as needed to reach 60 units)</b>	<b>9-11</b>
SPAN 003 Third Semester Spanish.....	5	<b>Total Degree Units CSU GE or IGETC.....</b>	<b>60</b>
SPAN 004 Fourth Semester Spanish.....	5	<b>Solano General Education.....</b>	<b>21</b>
SPAN 011 Conversational Spanish.....	3	<b>Electives (as needed to reach 60 units).....</b>	<b>21</b>
SPAN 012 Intermediate Spanish Conversation.....	3	<b>Total Degree Units Solano GE.....</b>	<b>60</b>
SPAN 025 Introduction to Latin-American Culture: An Exploration of Identity Through Essay, Film, and Short Story.....	3		
SPAN 031 First Semester Spanish, Part 1.....	3		

\* 6 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.



# Foreign Languages

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## Foreign Language

### **FLNG 101 Cross Age Teaching** **2.0 Units**

*Corequisite: 1 unit of OCED 090.*

*Prerequisite: A minimum grade of C in FREN 002 or SPAN 002.*

*Hours: 32-36 lecture.*

Weekly seminars will explore how children learn and develop understanding in French and Spanish. Working with a peer partner or partners, students will prepare lesson plans and develop curriculum. Through co-requisite OCED 090, students will work in elementary school classes in Solano County to provide language instruction based on the lesson plans developed.

## French

### **FREN 001 First Semester French** **5.0 Units**

*Course Advisory: SCC minimum English standard.*

*General Education: Option A: Area C; Option B: Area 6; Option C: Area C2*

*Transferable to UC/CSU*

*Hours: 80-90 lecture.*

An introduction to the fundamental elements of the language (listening, speaking, reading, writing and culture) with emphasis on language production, grammar, syntax, acquisition of a practical vocabulary, and exposure to the Francophone culture. Exams, quizzes, written and oral assignments and completion of the activities manual will be used to evaluate student progress. NOTE: Not open for credit to students who have had two or more years of high school French with a minimum grade of B within the last three years or to students who have completed FREN 031 and/or 032.

### **FREN 002 Second Semester French** **5.0 Units**

*Prerequisite: A minimum grade of C in the following: FREN 001;*

*FREN 032; or two years of high school French.*

*General Education: Option A: Area C; Option B: Area 3B, Area 6;*

*Option C: Area C2*

*Transferable to UC/CSU*

*Hours: 80-90 lecture.*

A continuation of FREN 001 introducing the fundamentals of French (listening, speaking, reading, writing and culture) with increased emphasis on writing and continued stress on language production, pronunciation, grammar, syntax, acquisition of a practical vocabulary, and exposure to the Francophone culture. Exams, quizzes, written assignments and completion of the activities manual will be used to evaluate student progress.

### **FREN 003 Third Semester French** **5.0 Units**

*Prerequisite: A minimum grade of C in the following: FREN 002; or three years of high school French.*

*General Education: Option A: Area C; Option B: Area 3B, Area 6;*

*Option C: Area C2*

*Transferable to UC/CSU*

*Hours: 80-90 lecture.*

A continuation of FREN 002. This course teaches culture and facilitates language acquisition through listening, speaking, reading and writing. Students will continue to interact with authentic language in context and express personal meaning, using different strategies and techniques that go beyond casual conversations, in order to express opinions, make suggestions on familiar topics, discuss some abstract issues, and make plans. Students will demonstrate the ability to think critically by analyzing linguistic structures and reflecting on and making cross-cultural comparisons. Students will demonstrate an increased awareness of cultural norms, values, and culturally relevant appropriate customs and events. This course will be taught in French.

### **FREN 004 Fourth Semester French** **5.0 Units**

*Prerequisite: FREN 003 with a minimum grade of C. General Education:*

*Option A: Area C; Option B: Area 3B, Area 6; Option C: Area C2*

*Transferable to UC/CSU*

*Hours: 80-90 lecture.*

A continuation of French 003. Reviews and expands knowledge of elements previously learned, while introducing new material. Exposure to the culture and thinking of the French-speaking world. Extensive work is done in reading, writing and conversing in French. Regular quizzes, exams, written and oral assignments required.

### **FREN 011 Conversational French** **3.0 Units**

*Prerequisite: A minimum grade of C in either FREN 002 or FREN 034.*

*General Education: Option A: Area C; Option B: Area 3B; Option C:*

*Area C2*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Designed to promote competency in the oral use of the language and to increase fluency by reinforcing previously learned materials and by expanding vocabulary and patterns of speech. This course emphasizes the practical application of the language, not grammar acquisition or review.



# Foreign Languages

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## **FREN 012 Intermediate French Conversation 3.0 Units**

*Prerequisite: FREN 011 with a minimum grade of C.*

*General Education: Option B: Area 3B; Option C: Area C2*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

A continuation of FREN 011 designed to promote competency in the oral use of the language and to increase fluency by expanding beyond previously learned materials, vocabulary and patterns of speech. The course emphasizes the practical application of the language, not grammar acquisition or review, exposing students to global awareness through a rich variety of Francophone cultural sources.

## **FREN 031 First Semester French, Part I 3.0 Units**

*Course Advisory: SCC minimum English standard.*

*General Education: Transferable to Option A: Area C; Option C: Area C2*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

An introduction to the basic elements of the language (listening, speaking, reading, writing and culture) with emphasis on language production, grammar, syntax, vocabulary building, and exposure to the Francophone culture. Exams, quizzes, written and oral assignments and completion of the activities manual will be used to evaluate student progress. NOTE: In order to fulfill the one semester of FREN 001 requirement of some universities, transfer students must complete the sequence of FREN 031-032. NOTE: Not open for credit to students who have received credit for FREN 001 or to students who have had two or more years of high school French with a minimum grade of B within the past three years.

## **FREN 032 First Semester French, Part II 3.0 Units**

*Prerequisite: A minimum grade of C in either FREN 031 or one year of high school French.*

*General Education: Option A: Area C; Option B: Area 6; Option C: Area C2*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

A continuation of FREN 031 introducing the fundamental elements of the language (listening, speaking, reading, writing and culture) with continued emphasis on language production, grammar, syntax, vocabulary building, and exposure to the French culture. Exams, quizzes, written assignments and completion of the activities manual will be used to evaluate student progress. NOTE: In order to fulfill the one-semester FREN 001 requirement of some universities, transfer students must complete the sequence of FREN 031 and FREN 032. NOTE: Not open for credit to students who have completed FREN 001 or who have had two or more years of high school French with a minimum grade of B within the last three years.

## **FREN 049 French Honors 1.0 to 3.0 Units**

*Prerequisite: Completion of 24.0 units of college credit with a minimum GPA of 3.3; a minimum of 5.0 units in the discipline with a minimum grade of B; an ability to work independently; permission of the School Dean based on instructor availability.*

*Transferable to CSU*

*Hours: 48-162 lab by arrangement.*

Independent study and research, by arrangement with the instructor, in specified fields of study in French or creative writing in French. Students may take this course up to the maximum number of units over multiple semesters.

## *Spanish*

### **SPAN 001 First Semester Spanish 5.0 Units**

*Course Advisory: SCC minimum English standard.*

*General Education: Option A: Area C; Option B: Area 6; Option C: Area C2*

*Transferable to UC/CSU*

*Hours: 80-90 lecture.*

Introduces the fundamental elements of the language (listening, speaking, reading, writing and culture) with emphasis on language production, grammar, syntax, acquisition of a practical vocabulary, and exposure to the Hispanic culture. Students will interact with authentic language in a cultural context. NOTE: Not open for credit to students who have had two or more years of high school Spanish with a minimum grade of B within the last three years or to students who have completed SPAN 001S; or SPAN 031 and/or 032; or SPAN 061M and/or 062M. (C-ID SPAN 100).

### **SPAN 002 Second Semester Spanish 5.0 Units**

*Prerequisite: A minimum grade of C in SPAN 001; SPAN 001S; SPAN 032; SPAN 062M; or two years of high school Spanish with a minimum grade of C.*

*General Education: Option A: Area C; Option B: Area 3B, Area 6; Option C: Area C2*

*Transferable to UC/CSU*

*Hours: 80-90 lecture.*

Continues, from SPAN 001, students' introduction to the fundamentals of Spanish (listening, speaking, reading, writing and culture) with increased emphasis on writing and continued stress on language production, pronunciation, grammar, syntax, acquisition of a practical vocabulary through authentic language in a cultural context. NOTE: Not open to students who have completed SPAN 002S; SPAN 033 and/or 034; or SPAN 063M and/or 064M. (C-ID SPAN 110).

# Foreign Languages

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## **SPAN 003 Third Semester Spanish 5.0 Units**

*Prerequisite:* A minimum grade of C in SPAN 002; SPAN 002S; SPAN 034; SPAN 064M; or three years of high school Spanish with a minimum grade of C.

*General Education:* Option A: Area C; Option B: Area 3B, Area 6; Option C: Area C2

*Transferable to UC/CSU*

*Hours:* 80-90 lecture.

Teaches culture and facilitates language acquisition through listening, speaking, reading and writing. Students will interact with authentic language in context and express personal meaning, using different strategies and techniques that go beyond casual conversation, in order to express opinions, make suggestions on familiar topics, discuss some abstract issues, and make plans. Students will demonstrate the ability to think critically by analyzing linguistic structures and reflecting on and making cross-cultural comparisons. Students will demonstrate an increased awareness of cultural norms, values, and culturally relevant appropriate customs and events. This course will be taught in Spanish. (C-ID SPAN 200).

## **SPAN 004 Fourth Semester Spanish 5.0 Units**

*Prerequisite:* A minimum grade of C in either SPAN 003 or four years of high school Spanish.

*General Education:* Option A: Area C; Option B: Area 3B, Area 6; Option C: Area C2

*Transferable to UC/CSU*

*Hours:* 80-90 lecture.

Expands, from SPAN 003, upon culture and facilitate language acquisition through listening, speaking, reading and writing. Students will interact with authentic language in context and express personal meaning, using different strategies and techniques that go beyond casual conversation, in order to express opinions, make suggestions on familiar topics, discuss some abstract issues, and make plans. Students will demonstrate the ability to think critically by analyzing linguistic structures and reflecting on and making cross-cultural comparisons. Students will demonstrate an increased awareness of cultural norms, values, and culturally relevant appropriate customs and events. This course will be taught in Spanish. (C-ID SPAN 210).

## **SPAN 011 Conversational Spanish 3.0 Units**

*Prerequisite:* A minimum grade of C in SPAN 002; SPAN 02S; SPAN 034; or SPAN 064M.

*General Education:* Option B: Area 3B; Option B: Area 6; Option C: Area C2

*Transferable to UC/CSU*

*Hours:* 48-54 lecture.

Promotes competency in the oral use of the language and to increase fluency by reinforcing previously learned materials and by expanding vocabulary and patterns of speech. This course emphasizes the practical application of the language, not grammar acquisition or review.

## **SPAN 031 First Semester Spanish, Part I 3.0 Units**

*Course Advisory:* SCC minimum English standard.

*General Education:* Option A: Area C; Option C: Area C2

*Transferable to UC/CSU*

*Hours:* 48-54 lecture.

Introduces the basic elements of the language (listening, speaking, reading, writing and culture) with emphasis on language production, grammar, syntax, vocabulary building, and exposure to the Hispanic culture. Exams, quizzes, written assignments and completion of the activities manual will be used to evaluate student progress. NOTE: In order to fulfill the one-semester SPAN 001 requirement of some universities, transfer students must complete the sequence of SPAN 031 and 032. NOTE: Not open for credit to students who have received credit for SPAN 001; SPAN 001S; SPAN 061M; or who have had two or more years of high school Spanish with a minimum grade of B within the last three years.

## **SPAN 032 First Semester Spanish, Part II 3.0 Units**

*Prerequisite:* A minimum grade of C in either SPAN 031 or SPAN 061M.

*General Education:* Option A: Area C; Option B: Area 6; Option C: Area C2

*Transferable to UC/CSU*

*Hours:* 48-54 lecture.

A continuation of Spanish 031, presenting the fundamental elements of the language (listening, speaking, reading, writing and culture) with emphasis on language production, grammar, syntax, vocabulary building, and exposure to the Hispanic culture. Exams, quizzes, written assignments and completion of the activities manual will be used to evaluate student progress. NOTE: In order to fulfill the one-semester SPAN 001 requirement of some universities, transfer students must complete the sequence of SPAN 031 and SPAN 032. NOTE: Not open for credit to students who have received credit for SPAN 001; SPAN 001S; SPAN 062M; or who have had two or more years of high school Spanish with a minimum grade of C within the last three years.

# Foreign Languages

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## **SPAN 033 Second Semester Spanish, Part I 3.0 Units**

*Prerequisite:* A minimum grade of C in SPAN 001; SPAN 001S; SPAN 032; or SPAN 062M.

*General Education:* Option A: Area C; Option B: Area 3B, Area 6;  
Option C: Area C2

*Transferable to UC/CSU*

*Hours:* 48-54 lecture.

A continuation of SPAN 001 (or SPAN 032), presenting the fundamentals of Spanish (listening, speaking, reading, writing and culture), with increased emphasis on writing and continued stress on language production, pronunciation, grammar, syntax, acquisition of a practical vocabulary, and exposure to the Hispanic culture. Exams, quizzes, written assignments and completion of the activities manual will be used to evaluate student progress.

NOTE: Not open for credit to students who have received credit for SPAN 002, SPAN 002S, or SPAN 063M.

## **SPAN 034 Second Semester Spanish, Part II 3.0 Units**

*Prerequisite:* A minimum grade of C in either SPAN 033 or SPAN 063M.

*General Education:* Option A: Area C; Option B: Area 3B, Area 6;  
Option C: Area C2

*Transferable to UC/CSU*

*Hours:* 48-54 lecture.

A continuation of Spanish 033, presenting the fundamentals of Spanish (listening, speaking, reading, writing and culture), with increased emphasis on writing and continued stress on language production, pronunciation, grammar, syntax, acquisition of a practical vocabulary, and exposure to the Hispanic culture. Exams, quizzes, written assignments and completion of the activities manual will be used to evaluate student progress.

NOTE: Not open for credit to students who have received credit for SPAN 002 or SPAN 002S.

## **SPAN 049 Spanish Honors**

**1.0 to 3.0 Units**

*Prerequisite:* Completion of 24.0 units of college credit with a minimum GPA of 3.3; a minimum of 5.0 units in the discipline with a minimum grade of B; an ability to work independently; permission of the School Dean based on instructor availability.

*Transferable to CSU*

*Hours:* 48-162 lab by arrangement.

Independent study and research, by arrangement with the instructor, in specified fields of study in Spanish or creative writing in Spanish. Students may take this course up to the maximum number of units over multiple semesters.

# Geography for Transfer (AA-T)

## CAREER PATHS:

Geography Teacher, Secondary and Postsecondary

Geographer or Geoscientist

Geospatial Information Scientist and Technologist

Additional Career Paths and related data, including state-by-state wage info and growth in the field, can be found at [www.onetonline.org](http://www.onetonline.org).

This program map represents one possible pathway. See a counselor to create a customized education plan. Map is for the 2019-2020 catalog year.



## FIRST SEMESTER

Total Recommended Units: 15-16

- GEOG 001** **3 units**  
Physical Geography (IGETC 5A)
- GEOG 001L** **1 units**  
Physical Geography Lab (IGETC 5C)
- ENGL 001** **4 units**  
College Composition (IGETC 1A)
- LR 010** **1 units**  
Introduction to Library Research and Information Competency
- IGETC 2** **3-4 units**  
Suggested: MATH 011 OR 012
- IGETC 3A** **3 units**



## THIRD SEMESTER

Total Recommended Units: 15

- GEOG 004** **3 units**  
World Geography (IGETC 4)
- ANTH 002** **3 units**  
Cultural Anthropology (IGETC 4)
- IGETC 3B/Am Inst Grp 2** **3 units**  
Suggested: HIST 017 or 018 or 028 or 029 or 037 for Am Inst requirement
- IGETC 5B** **3 units**  
Without Lab
- GEOL 001** **3 units**  
Physical Geology

Required Courses/Courses in Discipline  GE Courses/Categories



## SECOND SEMESTER

Total Recommended Units: 16

- GEOG 010** **3 units**  
Intro to Geographic Information Systems
- IGETC 3B** **3 units**
- IGETC 1B** **4 units**  
Suggested: ENGL 002 or 004
- IGETC 1C** **3 units**  
Suggested: COMM 001 or 002 or 006
- Transferable Elective** **3 units**  
Course #001-049



## FOURTH SEMESTER

Total Recommended Units: 15

- IGETC 4/Am Inst Grp 1** **3 units**  
Suggested: PLSC 001 or 005 for Am Inst requirement
- GEO 002** **3 units**  
Cultural Geography
- Transferable Elective** **3 units**  
Course #001-049
- Transferable Elective** **3 units**  
Course #001-049
- Transferable Elective** **3 units**  
Course #001-049



**SOLANO**  
COMMUNITY COLLEGE

## Geography

Associate in Arts for Transfer  
GE Pattern: IGETC  
Program Total Units: 61-62

For more information  
please contact:  
**(707) 864-7211**

## GET STARTED NOW!

▶ **Get started on your Pathway now with these recommended courses!**

*Then* – See a counselor to create a **CUSTOMIZED** education plan personalized to your career and transfer goals!

▶ Required courses may change depending on a student's career and transfer goals, including requirements for cross-cultural and foreign language courses, and/or specific requirements for an individual CSU or UC.

▶ Unique transfer requirements for a specific institution can be found at [www.assist.org](http://www.assist.org).

## LET US HELP YOU!

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Vallejo Center: (707) 642-8188  
Travis AFB: (707) 863-7878  
Visit online at [solano.edu/counseling](http://solano.edu/counseling)
- **Contact Our Career Center to Learn Your Career Options!**  
Call 707-864-7124, or email at [CareerCenter@solano.edu](mailto:CareerCenter@solano.edu)  
Visit online at [solano.edu/career](http://solano.edu/career)
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- **College is Accessible!** Contact our Disability Services Program (DSP) at 707-864-7136.

# Geography

## Associates in Arts in Geography for Transfer (ADT: A.A.-T)

### Program Description

Solano Community College offers an Associate in Arts in Geography for Transfer degree to introduce students to principles, theory, and applied methods of spatial analysis in studying both the natural and human environment. The Associate in Arts in Geography for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Geography or similar major. The degree provides students with a foundation in the knowledge and skills of the Geography profession and prepares them for upper division university course work. Recipients of the Associate in Arts for Transfer degree are guaranteed admission with junior standing at a campus of the California State University system. The program in Geography is designed to develop the student's awareness of human environment relationships and changes in the physical and cultural landscape induced by human activities.

### Associates in Arts in Geography for Transfer

The Associate in Arts in Geography for Transfer degree is especially designed for students who plan to complete a bachelor's degree in Geography at a CSU campus. Students completing an Associate in Arts in Geography for Transfer degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the Associate in Arts in Geography for Transfer degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree.

The Associate in Arts in Geography for Transfer degree will prepare students for a baccalaureate degree in Geography at a CSU institution. Geography provides insights about the earth as the human habitat. It is a way of looking at the earth, not an inventory of its contents. This viewpoint rests on fundamental interlocking concepts. The cultural appraisal of the earth, the regional concept, areal coherence, human ecology, spatial interaction, study of landscape, and the concept of change are all ways the geographer tries to better understand the environment.

### To earn the Associate in Arts in Geography 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 or 27 quarter 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 Geography for Transfer degree will be able to:

1. Use maps and other appropriate geographic tools to interpret and analyze spatial data.
2. Explain the impact of humans on the natural environment.
3. Identify major worldwide spatial political, cultural, economic, and environmental patterns.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
GEOG 001 Physical Geography .....	3
GEOG 001L Physical Geography Laboratory .....	1
GEOG 002 Cultural Geography .....	3
GEOG 004 World Geography .....	3
GEOG 010 Introduction to Geographic Information Systems .....	3
ANTH 002 Cultural Anthropology .....	3
GEOL 001 Physical Geology .....	3
<b>Required Major Total Units</b> .....	<b>19</b>

<b>CSU General Education or IGETC Pattern Units</b> ...	<b>37-39</b>
<b>CSU Transferable Electives</b>	
<b>(as needed to reach 60 transferable units)*</b> .....	<b>13</b>
<b>Total Degree units</b> .....	<b>60</b>

\* 13 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.



# Geography

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## **GEOG 001 Physical Geography**

**3.0 Units**

*Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard.*

*General Education: Option A: Area A; Option B: Area 5A; Option C:*

*Area B1*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

A spatial study of the Earth's dynamic physical systems and processes. Topics include: Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere.

Emphasis is on the interrelationships among environmental and human systems and processes and their resulting patterns and distributions. Tools of geographic inquiry are also briefly covered; they may include: maps, remote sensing, Geographic Information Systems (GIS) and Global Positioning Systems (GPS). Field trips may be required.

*(C-ID GEOG 110)*

## **GEOG 001L Physical Geography Laboratory**

**1.0 Units**

*Prerequisite: GEOG 001 with a minimum grade of C (may enroll concurrently).*

*General Education: Option B: Area 5C; Option C: Area B3*

*Transferable to UC/CSU*

*Hours: 48-54 lab.*

Designed to provide supplemental exercises in topics covered in Physical Geography lecture. Lab experience will include map analysis and interpretation, weather prognostication, landform processes and evolution, tectonics, biogeography, and habitat analysis. One or more field trips are required and may occur outside of class time. *(C-ID GEOG 111)*

## **GEOG 002 Cultural Geography**

**3.0 Units**

*Course Advisory: Eligibility for ENGL 001.*

*General Education: Option A: Area B2; Option B: Area 4E; Option C:*

*Area D5*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Topics include the identification of rocks and minerals as hand specimen and the study of geologic maps, landforms, and structures. Field trips will be taken to areas of geologic interest. Laboratory projects, written assignments and reports, and examinations will be used to evaluate student success. *(C-ID GEOG 120)*

## **GEOG 004 World Geography**

**3.0 Units**

*Course Advisory: Eligibility for ENGL 001.*

*General Education: Option A: Area B2; Option B: Area 4E; Option C:*

*Area D5*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Survey of the world's culture regions and nations as interpreted by geographers, including physical, cultural, and economic features. Emphasis on spatial and historical influences on population growth, transportation networks, and natural environments. Identification and importance of the significant features of regions. A field trip may be required with the course. However, if a student cannot attend the trip, there will be an optional research paper assignment. *(C-ID GEOG 125)*

## **GEOG 006 California Geography**

**3.0 Units**

*Course Advisory: Eligibility for ENGL 001.*

*General Education: Option A: Area B2; Option B: Area 4E; Option C:*

*Area D5*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

A thematic approach to the state's issues, processes and topics relevant to geography including climate, landforms, natural vegetation, water resources, cultural landscape, ethnic diversity, urban and agricultural regions, and the economy. This course explores the physical and human landscapes that have evolved as a result of the human-environment interface. A field trip is required.

*(C-ID GEOG 140)*

## **GEOG 010**

**3.0 Units**

### **Introduction to Geographic Information Systems**

*Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard;*

*Basic computer literacy.*

*General Education: Option C: Area B1*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Study of Geographic Information Systems (GIS) science and its applications to spatial data management. Identification and acquisition of GIS data. Assessment of vector and raster systems, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). Spatial analysis and modeling with GIS. Same course as GEOL 010. Not open to students who have completed GEOL 010. Field trips may be required.

*(C-ID GEOG 155)*



# Geology

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The Geology Department introduces students to the methods of science as well as the fundamentals of geology. Geology is the study of Earth – it's interior and it's exterior surface, the rocks and other materials that are around us and the processes (i.e., water flow, changes over time) that have resulted in the formation of those materials. Courses focus on physical geology, earth sciences, geology of California and geographic information systems. The courses do not lead to a certificate, degree or transfer agreement in themselves. However, these courses may apply to other programs and may also be used toward lower division general education.

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## **GEOL 001 Physical Geology 3.0 Units**

*Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard.*

*General Education: Option A: Area A; Option B: Area 5A; Option C:*

*Area B1*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

An introduction to the principles of geology with emphasis on Earth processes. This course focuses on the internal structure and origin of the Earth and the processes that change and shape it. Online work may be required.

*(C-ID GEOL 100)*

## **GEOL 002 Geology Laboratory 1.0 Unit**

*Prerequisite: A minimum grade of C in either GEOL 001 or GEOL 005*

*(may enroll in either course concurrently).*

*General Education: Option B: Area 5C; Option C: Area B3Geology*

*Transferable to UC/CSU*

*Hours: 48-54 lab.*

Topics include the identification of rocks and minerals as hand specimen and the study of geologic maps, landforms, and structures. Field trips will be taken to areas of geologic interest. Laboratory projects, written assignments and reports, and examinations will be used to evaluate student success. *(C-ID GEOL 100L)*

## **GEOL 005 Geology of California 3.0 Units**

*Course Advisory: GEOL 001 with minimum grade of C; Eligibility for ENGL 001; SCC minimum math standard.*

*General Education: Option A: Area A; Option B: Area 5A; Option C:*

*Area B1*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

An introduction to the geology of California, including tectonic processes, geologic structures, physiographic provinces, local rocks and minerals, landforms, natural resources, geologic history, and natural hazards in the state. Field trip will be taken to areas of geologic interest and a field trip report will be required. If the student cannot attend the trip, they will have make-up work.

*(C-ID GEOL 200)*

## **GEOL 006 Earth Science 3.0 Units**

*Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard.*

*General Education: Option A: Area A; Option B: Area 5A; Option C:*

*Area B1*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

An introduction to the essentials of Earth Science including the geosphere, atmosphere, hydrosphere, and solar system. This course focuses on the interactions between physical and chemical systems of the Earth such as the tectonic cycle, rock cycle, hydrologic cycle, weather and climate.

## **GEOL 006L Earth Science Laboratory 1.0 Unit**

*Prerequisite: GEOL 006 with a minimum grade of C (may be taken concurrently).*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

The laboratory component to Earth Science including the geosphere, atmosphere, hydrosphere, and solar system. This course focuses on the physical and chemical systems of the Earth such as the tectonic cycle, rock cycle, hydrologic cycle, weather, and climate.

## **GEOL 010 Introduction to Geographic Information Systems 3.0 Units**

*Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard.*

*General Education: Option C: Area B1*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Study of Geographic Information Systems (GIS) science and its applications to spatial data management. Identification and acquisition of GIS data. Assessment of vector and raster systems, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). Spatial analysis and modeling with GIS. Same course as GEOG 010. Not open to students who have completed GEOG 010. *(C-ID GEOG 155)*

# Geology

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## **GEOL 049 Geology Honors**

**1.0 to 3.0 Units**

*Prerequisite: Completion of 24.0 units of college credit with a minimum GPA of 3.0; completion with a minimum grade of B in GEOL 001, GEOL 005, or GEOL 010; an ability to work independently; and permission of the School Dean based on instructor availability.*

*Course Advisory: Eligibility for ENGL 001.*

*Transferable to CSU*

*Hours: 48-162 lab by arrangement.*

Requires students to engage in an independent student project. The project may be a laboratory or field study or a library study that leads to a thesis. In all cases, the final written product should show integration and synthesis of ideas. This project requires the approval of a faculty member sponsor. Students may take this course up to the maximum number of units over multiple semesters.

# History for Transfer (AA-T)

## CAREER PATHS:

History Teacher, Secondary and Postsecondary  
 Historian  
 Curator  
 Archaeologist

Additional Career Paths and related data, including state-by-state wage info and growth in the field, can be found at [www.onetonline.org](http://www.onetonline.org).

This program map represents one possible pathway. See a counselor to create a customized education plan. Map is for the 2019-2020 catalog year.

## 1 FIRST SEMESTER

Total Recommended Units: 14-15

**HIST 017 or 018** 3 units  
 History of the U.S. (IGETC 3B/Am Inst Grp 2)

**ENGL 001** 4 units  
 College Composition (IGETC 1A)

**LR 010** 1 units  
 Introduction to Library Research and Information Competency

**IGETC 2** 3-4 units  
 Suggested: MATH 011 or 012

**IGETC 1C** 3 units  
 Suggested: COMM 001 or 002 or 006

## 2 SECOND SEMESTER

Total Recommended Units: 16

**HIST 017 or 018** 3 units  
 History of the U.S.

**HIST 002 or 004** 3 units  
 World History

**IGETC 1B** 4 units  
 Suggested: ENGL 002 or 004

**IGETC 3A** 3 units

**IGETC 5A or 5B** 3 units  
 Without Lab

## 3 THIRD SEMESTER

Total Recommended Units: 16-17

**HIST 003 or 005** 3 units  
 World History Course

**HIST List A, B, or C of ADT** 3 units

**IGETC 5A or 5B** 4-5 units  
 With Lab. Whichever previously not taken

**Transferable Elective** 3 units  
 Course #001-049

**Transferable Elective** 3 units  
 Course #001-049

## 4 FOURTH SEMESTER

Total Recommended Units: 15

**HIST Elective** 3 units  
 List A, B, or C from the ADT in History

**IGETC 4/Am Inst Grp 1** 3 units  
 Suggested: PLSC 001 or 005

**IGETC AREA 3B** 3 units

**Transferable Elective** 3 units  
 Course #001-049

**Transferable Elective** 3 units  
 Course #001-049

Required Courses/Courses in Discipline  GE Courses/Categories



**SOLANO**  
 COMMUNITY COLLEGE

## History

Associate in Arts for Transfer  
 GE Pattern: IGETC  
 Program Total Units: 61-63

For more information  
 please contact:  
 (707) 864-7251

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 Vallejo Center: (707) 642-8188  
 Travis AFB: (707) 863-7878  
 Visit online at [solano.edu/counseling](http://solano.edu/counseling)
- Contact Our Career Center to Learn Your Career Options!**  
 Call 707-864-7124, or email at [CareerCenter@solano.edu](mailto:CareerCenter@solano.edu)  
 Visit online at [solano.edu/career](http://solano.edu/career)
- You Can Afford College! Learn more about Financial Aid!**  
 Call 707-864-7103, or email at [FinancialAid@solano.edu](mailto:FinancialAid@solano.edu)  
 Visit online at [solano.edu/financial\\_aid](http://solano.edu/financial_aid)
- College is Accessible!** Contact our Disability Services Program (DSP) at 707-864-7136.

# History

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

### Program Description

This program emphasizes the development of various societies through a chronological study of the major social, political, economic, and cultural forces which have shaped these societies. Students in this program may study a variety of historical fields including United States, World, Western Civilization, African-American, Mexican and Mexican-American, California and Women's History.

### Associate in Arts in History for Transfer

The Associate in Arts in History for Transfer is especially designed for students who plan to complete a bachelor's degree in History at a CSU campus. Students completing the Associate in Arts for Transfer degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the Associate in Arts Degree for Transfer will be required to complete no more than 60 units after transfer to earn a bachelor's degree.

### To earn the Associate in Arts in History for Transfer degree, students must:

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

### Program Outcomes

Students who complete an Associate in Arts in History for Transfer degree will be able to:

1. Recognize and define a variety of major economic, social, cultural and political events and trends in history.
2. Analyze the significant causal factors that contributed to the shaping of a variety of historical movements, events and trends.
3. Interrogate and analyze primary historical evidence, including textual documents, artifacts and visual images.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
HIST 017 History of the United States to 1865 .....	3
HIST 018 History of the United States from 1865.....	3
Two courses from World History list .....	6
Two courses from the elective categories .....	6
<b>Total Units</b> .....	<b>18</b>

<b>World History:</b> (select two courses) .....	<b>Units</b>
HIST 002 World History to 1750 .....	3
or	
HIST 004 History of Western Civilization to 1500 .....	3
HIST 003 Modern World History .....	3
or	
HIST 005 History of Western Civilization Since 1500.....	3

### Electives selected from the following categories .. Units

#### I. United States

HIST 010 California History .....	3
HIST 028 African American History to 1877 .....	3
HIST 031 Mexican American/Chicano History.....	3
HIST 037 Women in American History .....	3

#### II. World History

Any course from World History list not already used

#### III. Ethnicity and Gender Studies

HIST 028 African American History to 1877 .....	3
HIST 029 African American History Since 1865 .....	3
HIST 031 Mexican American/Chicano History .....	3
HIST 037 Women in American History .....	3

**Required Major Total Units** .....

**18**

**CSU General Education or iGETC Pattern Units ... 37-39**

**CSU Transferable Electives**

**(as needed to reach 60 transferable units)\* .....**

**11-18**

**Total Degree Units** .....

**60**

\* 6-15 units may be double counted toward both the major

area of emphasis and CSU General Education or IGETC

Pattern. Consult with a counselor for more information on

completing this degree.

# History

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## **HIST 002 World History to 1500**

**3.0 Units**

*Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard.*

*General Education: Option A: Area C; Option B: Area 3B, Area 4F;*

*Option C: Area C2, Area D6*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

An integrated study of world civilizations from their beginnings to 1500. Emphasis will be placed on a critical assessment of the cultural achievements, belief systems and economic, political and social structures of the major global civilizations. We will also study the interconnections that linked these cultures into an integrated world system during the early modern period. (C-ID HIST 150)

## **HIST 003 World History Since 1500**

**3.0 Units**

*Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard.*

*General Education: Option A: Area C; Option B: Area 3B, Area 4F;*

*Option C: Area C2, Area D6*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

An integrated study of modern global history since 1500. Emphasis will be placed on the emergence of an interconnected world system in the modern era and the impact of that system on societies and cultures around the globe. The ongoing tension between tradition and modernity 'shaped by wars, revolutions, and economic transformations' forms the central theme of the course. (C-ID HIST 160)

## **HIST 004**

**3.0 Units**

### **History of Western Civilization to 1500**

*Course Advisory: Eligibility for ENGL 001.*

*General Education: Transferable to Option A: Area C; Option B: Area 3B, Area 4F; Option C: Area C2, Area D6*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Survey of the history of the development of western culture and civilization to the Reformation. Emphasis will be on analyzing the major social, political, economic and cultural forces which have shaped European societies. (C-ID HIST 170)

## **HIST 005**

**3.0 Units**

### **History of Western Civilization Since 1500**

*Course Advisory: Eligibility for ENGL 001.*

*General Education: Option A: Area C; Option B: Area 3B, Area 4F;*

*Option C: Area C2, Area D6*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Survey of the history of western civilization from 1500 to the present. Emphasis will be on analyzing the major social, political, economic and cultural forces which have shaped modern European history. (C-ID HIST 180)

## **HIST 010 California History**

**3.0 Units**

*Course Advisory: Eligibility for ENGL 001.*

*General Education: Option A: Area B2; Option B: Area 3B, Area 4F;*

*Option C: Area C2, Area D6 Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Survey of California history from the pre-colonial, Native American period to the modern state. Particular emphasis will be placed on the interplay of geographic, economic, political, social and cultural forces that shaped both the development of this diverse state and the experiences of a wide range of peoples who have inhabited it.

## **HIST 017 History of the United States to 1877**

**3.0 Units**

*Course Advisory: Eligibility for ENGL 001.*

*General Education: Option A: Area B1; Option B: Area 3B, Area 4F;*

*Option C: Graduation Requirement, Area C2, Area D6*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Survey of the history of the United States from its Native American, African and European origins through the period of Civil War and Reconstruction. Emphasis is placed on analyzing the major economic, social, political, and cultural events, movements and trends that shaped historical developments, examining cause and effect relationships and interpreting primary and secondary sources. (C-ID HIST 130)

## **HIST 018**

**3.0 Units**

### **History of the United States from 1865**

*Course Advisory: Eligibility for ENGL 001.*

*General Education: Option A: Area B1; Option B: Area 3B, Area 4F;*

*Option C: Graduation Requirement, Area C2, Area D6*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Survey of the history of the United States from Reconstruction to the present. Examines the major economic, social, political, and cultural events that shaped the United States' and their impact on American life. This course also examines the United States' increasing involvement in world affairs. Special emphasis is placed on analyzing the cause and effect relationships in U.S. history and on the historical interpretation of events and trends in U.S. history. (C-ID HIST 140)

# History

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## **HIST 028 African American History to 1877 3.0 Units**

*Course Advisory: Eligibility for ENGL 001.*

*General Education: Transferable to Option A: Area B1; Option B: Area 3B, Area 4F; Option C: Graduation Requirement, Area C2, Area D3, Area D6*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Survey of the African-American experience in the United States from African origins to 1877. An emphasis is placed on the role of Africans in the settlement of North America, a comparison of colonial slave systems, and African-American strategies of resistance and self-help. The course will examine the contributions of African Americans to the social, political, and economic development of the United States.

## **HIST 029 African American History Since 1865 3.0 Units**

*Course Advisory: Eligibility for ENGL 001.*

*General Education: Option A: Area B1; Option B: Area 3B, Area 4F; Option C: Graduation Requirement, Area C2, Area D3, Area D6*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Survey of the political, social, and economic history of African Americans from Reconstruction (1865) to the present. An emphasis is placed on the transition of African Americans from slavery to freedom, segregation, migration and urbanization, black ideology and leadership, and African American protest movements of the twentieth century. The course will closely examine the role of African-Americans in shaping the American nation.

## **HIST 031 Mexican American/Chicano History 3.0 Units**

*Course Advisory: Eligibility for ENGL 001.*

*General Education: Option A: Area B2; Option B: Area 3B, Area 4F; Option C: Area C2, Area D3, Area D6*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Survey of Mexican American/Chicano history from the pre-Columbian civilizations of Mexico to the present. The course will emphasize the economic, social, cultural, and political conditions and events that have shaped the history of Mexican Americans/Chicanos in the United States. Special attention is given to the contributions of Mexican Americans and Mexican immigrants to the multi-cultural development of the United States.

## **HIST 037 Women in American History 3.0 Units**

*Course Advisory: Successful completion of ENGL 001 with a minimum grade of C.*

*General Education: Option A: Area B1, Area E; Option B: Area 3B, Area 4F; Option C: Graduation Requirement, Area C2, Area D4, Area D6, SCC Graduation Requirement*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

A multi-cultural survey of American history from pre-colonial times to the present examining the impact of ethnic and cultural diversity, class, and gender on the lives of women.



# Horticulture

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## Horticulture Science

### Program Description

This program is designed to provide theory and practical experience needed to enter the horticulture field or prepare for advancement or certification. It also offers some of the basic courses required of horticulture majors transferring to four-year institutions. This program offers certificates and degrees in six Ornamental Horticulture areas.

### Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement can be obtained by completing the 23-unit major. The Associate in Science Degree can be obtained by completing the 23-unit major, general education requirements, 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.

### Program Outcomes

Students who complete the Horticulture Science Certificate of Achievement/ Associate Degree will be able to:

1. Design and draft landscape plan.
2. Design an Integrated Pest Management (IPM) plan.
3. Estimate the cost of a landscape construction project.

### REQUIRED COURSES ..... Units

HORT 006 Identification and Ecology of Landscape Plant Materials.....	4
HORT 030 Landscape Design I .....	3
HORT 050 Introduction to Horticulture .....	3
HORT 055 Soils and Fertilizers. ....	3
HORT 056 Landscape Pest Control and Management ....	4
HORT 070 Landscape Construction and Estimation .....	3
HORT 071 Irrigation Principles.....	3
<b>Required Major Total Units .....</b>	<b>23</b>

<b>Solano General Education.....</b>	<b>21</b>
<b>Electives (as needed to reach 60 units).....</b>	<b>21</b>
<b>Total Degree Units Solano GE.....</b>	<b>60</b>

This is a Gainful Employment Program. For additional information, please visit [http://www.solano.edu/gainful\\_employment/](http://www.solano.edu/gainful_employment/) and select "Horticulture Science."

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### Landscape Worker Job-Direct Low Unit Certificate

The required courses must be completed with a minimum grade of C.

### REQUIRED COURSES ..... Units

HORT 006 Identification and Ecology of Landscape Plant Materials.....	4
HORT 050 Introduction to Horticulture .....	3
HORT 071 Irrigation Principles.....	3
OCED 090 Occupational Work Experience .....	1
<b>Total Units .....</b>	<b>11</b>

# Horticulture

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## **HORT 006**

**4.0 Units**

### **Identification and Ecology of Landscape Plant Materials**

*Course Advisory: HORT 050; SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 48-54 lecture, 48-54 lab.*

Study of the identification, growth habits, cultural requirements, and evaluation of landscape plant materials used for ornamental purposes in Western landscapes. Laboratory experience will emphasize the identification and use of the plant materials in various landscape settings. A collection will be required.

## **HORT 030 Landscape Design I**

**3.0 Units**

*Course Advisory: HORT 006; HORT 050; SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 32-36 lecture, 48-54 lab.*

Introduction to the skills and techniques of landscape design principles and practices. Laboratories will stress drafting techniques through design projects. Field trips required.

## **HORT 031 Landscape Design II**

**3.0 Units**

*Prerequisite: HORT 030 with a minimum grade of C.*

*Course Advisory: HORT 050*

*Transferable to UC/CSU*

*Hours: 32-36 lecture, 48-54 lab.*

Presents the association of plant materials according to design principles and their environmental requirements with attention to groupings, arrangements and planting about buildings and other landscape structures. Landscape drafting will be stressed in the laboratory projects culminating in a term design project. Mandatory field trips.

## **HORT 050 Introduction to Horticulture**

**3.0 Units**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Area A*

*Transferable to CSU*

*Hours: 32-36 lecture, 48-54 lab.*

Introduction and preview of the nursery, florist, and landscaping industries including elemental landscape design, flower arranging, plant identification, plant propagation, landscape tools, turf care, pest control, soil testing and basic botany. Laboratory experience will develop beginning techniques in propagation, soil testing, and turf and shrub maintenance. Mandatory field trips will be taken to various phases of the industry.

## **HORT 055 Soils and Fertilizers**

**3.0 Units**

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to CSU*

*Hours: 32-36 lecture, 48-54 lab.*

Study of the relationships of soils and fertilizers to proper plant growth and emphasizing analysis of soils and fertilizers. Field laboratories will develop management techniques in testing and application through exercises and field trip observations.

## **HORT 056**

**4.0 Units**

### **Landscape Pest Control and Management**

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to CSU*

*Hours: 48-54 lecture, 48-54 lab.*

Study of horticultural pests, insects, weeds, diseases and other non-pathogenic causes common to the Solano County area emphasizing identification, cultural, rotational, natural and chemical control methods. Mandatory field trips and laboratory experiences will provide experiences in detection, identification and techniques necessary to manage and control various species of plant pests.

A collection is required.

## **HORT 070**

**3.0 Units**

### **Landscape Construction and Estimation**

*Course Advisory: SCC minimum English and Math standards; HORT 050.*

*Transferable to CSU*

*Hours: 32-36 lecture, 48-54 lab.*

Study of the construction of patios, decks, walks, retaining walls, raised planters, mowstrips, fences, overhead structures, masonry work, sprinkler layout and other landscape features with emphasis on building code specifications. Previews contractor's licensing. Site development and construction skills will be developed during the laboratory.

## **HORT 071 Irrigation Principles**

**3.0 Units**

*Course Advisory: HORT 055; SCC minimum English and Math standards.*

*Transferable to CSU*

*Hours: 32-36 lecture, 48-54 lab.*

Study of the principles and management of water development and use in agricultural and horticultural production with special emphasis on water supplies, measurement, movement through soils, application methods, amounts needed and problems of distribution. The field laboratories will develop management techniques through exercises and field trip observations.

# Horticulture

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## **HORT 101 Plant Propagation and Production 2.0 Units**

*Course Advisory: HORT 050; SCC minimum English standard.*

*Hours: 16-18 lecture, 48-54 lab.*

Plant propagation and production practices with emphasis on vegetable crops, greenhouse and nursery operations including sexual and asexual reproduction, planting, transplanting, fertilizing, plant pest and disease control; structures and site layout; preparation and use of propagating and planting mediums; use and maintenance of common tools and equipment; regulations pertaining to plant production.

## **HORT 301A 2.0 Units**

### **Adaptive Horticulture - Basic Skills and Practices**

*Hours: 16-18 lecture, 64-72 lab.*

A horticulture pre-vocational training course adapted for, but not limited to, students with developmental, intellectual and/or physical disabilities. Students will learn basic horticultural skills in a garden, nursery, greenhouse, and landscape setting. Students will develop an understanding of the cultural requirements of plants and how to care for them. Appropriate workplace skills will be emphasized, safety training and proper tool usage will be incorporated throughout the course. Field trips may be required.

## **HORT 301B 2.0 Units**

### **Adaptive Greenhouse Management**

*Hours: 16-18 lecture, 64-72 lab.*

A greenhouse skills pre-vocational training course adapted for, but not limited to, students with developmental, intellectual and/or physical disabilities. Students will learn greenhouse management skills for employment preparation. Field trips may be required.

## **HORT 301C 2.0 Units**

### **Adaptive Nursery and Landscape Management**

*Hours: 16-18 lecture, 64-72 lab.*

A nursery and landscape skills pre-vocational training course adapted for, but not limited to, students with developmental, intellectual and/or physical disabilities. Students will learn nursery and landscape management skills for employment preparation. Field trips may be required.

## **HORT 301D 2.0 Units**

### **Adaptive Vegetable and Orchard Management**

*Hours: 16-18 lecture, 64-72 lab.*

A vegetable and orchard skills pre-vocational training course adapted for, but not limited to, students with developmental, intellectual and/or physical disabilities. Students will learn vegetable and orchard management skills for employment preparation. Field trips may be required.

## **HORT 301E Adaptive Plant Propagation 2.0 Units**

*Hours: 16-18 lecture, 64-72 lab.*

A Plant propagation skills pre-vocational training course adapted for, but not limited to, students with developmental, intellectual and/or physical disabilities. Students will learn propagation management skills for employment preparation. Field trips may be required.

# Humanities

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## Program Description

Humanities is the study of how people process and document the human experience, using philosophy, literature, religion, art, music, and history to understand and record our world. The humanities are ways of thinking about what is human about our diverse histories, values, ideas, and words.

## Associate Degree

Not offered in this discipline.

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### **HUMN 001 What It Means To Be Human 3.0 Units**

*Prerequisite: ENGL 001 with a minimum grade of C.*

*General Education: Option A: Area C; Option B: Area 3B; Option C: Area C2*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Explores what it means to be human by examining human life in several ways such as humans as social beings, language users, thinkers, myth makers, aggressors and peace makers, revolutionaries, scientists, and creators, and media creators and consumers. Inquiry into each category will involve critical thinking, artistic sensitivity, and historical perspective.

### **HUMN 002 3.0 Units**

#### **Humans As Creators: The Media of Creativity**

*Course Advisory: Eligibility for ENGL 001.*

*General Education: Option A: Area C; Option B: Area 3B; Option C: Area C2*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Exploration of the varieties of ways in which humans demonstrate their creative ability ranging from a study of the creative process itself to an examination of creativity in the arts, in the sciences, and in human organization.

### **HUMN 003 3.0 Units**

#### **Journey In a Multicultural Landscape**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Area C, Area E; Option B: Area 3B;*

*Option C: Area C2, SCC Graduation Requirement.*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Interdisciplinary course to help students recognize and explore sites of multicultural interaction and conflict in the U.S. by examining at least three different American ethnic cultures as well as cultural issues of gender, disability, sexual orientation, and age. Inquiry into the process of the making and representation of cultural artifacts will enable critical appraisal and appreciation, interpersonal sensitivity and multicultural perspective.

# Human Services

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## 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. 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, general education requirements, 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 Human Services Certificate of Achievement/ Associate Degree will be able to:

1. Development of basic knowledge within the field of Human Services.
2. Development of cultural competency, group facilitation, and case management skills.
3. Application of Human Services knowledge and skills.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
(listed in recommended sequence)	
HS 051 Introduction to Human Services .....	3
COUN 062 Helping Skills:	
Creating Alliances & Facilitating Change** .....	3
HS 053 Serving Special Populations .....	3
HS 055 Introduction to Case Management.....	3
COUN 064A Practicum I** .....	4
HS 054 Introduction to Group Processes.....	3
COUN 064B Practicum II** .....	4
<b>Required Major Total Units</b> .....	<b>23</b>

<b>CSU General Education or IGETC Pattern units....</b>	<b>37-39</b>
<b>Transferable Electives (as needed to reach 60 units)..</b>	<b>0-1</b>
<b>Total Degree Units CSU GE or IGETC .....</b>	<b>60</b>
<b>Solano General Education.....</b>	<b>21</b>
<b>Electives (as needed to reach 60 units).....</b>	<b>16</b>
<b>Total Degree Units Solano GE.....</b>	<b>60</b>

\* 0-3 units may be double counted toward both the major area of emphasis and CSU General Education or IGETC Pattern. Consult with a counselor for more information on completing this degree.

See Counseling section for COUN course descriptions

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

# Human Services

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## **HS 051 Introduction to Human Services 3.0 Units**

*Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard.*

*General Education: Option C: Area D7*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

An overview of the history and purpose of human services. Students will familiarize themselves with skills needed to provide optimum services to diverse consumer populations in areas such as social welfare, mental health, substance use, rehabilitation, and child, adult and elder care. Political and economic aspects inclusive of roles and functions of local human services agencies systems will be examined.

## **HS 053 Serving Special Populations 3.0 Units**

*Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard.*

*Transferable to CSU*

*Hours: 48-54 lecture.*

The study of the values, problems, issues, concerns and counseling needs of special population groups including, but not limited to age, gender, ethnicity, socioeconomic status, physical or psychiatric disability, sexual orientation, and chemical dependency characteristics. The course provides students with the insight, knowledge and skills necessary to work with diverse populations in human services settings.

## **HS 054 Introduction to Group Processes 3.0 Units**

*Prerequisite: HS 051 with a minimum grade of C.*

*Course Advisory: COUN 062 with a minimum grade 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.

## **HS 055 Introduction To Case Management 3.0 Units**

*Prerequisite: COUN 062.*

*Transferable to CSU*

*Hours: 48-54 lecture.*

An introduction to the basic concepts and skills of case management. Focusing on the history and purpose of case management, case management concepts, legal and ethical considerations of case management, service planning and delivery, careers in case management and other topics.



# Interdisciplinary Studies

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## Science and Quantitative Reasoning

### Program Description

This major is designed for students who are not certain of their specific academic major goals and do not have immediate transfer plans. It would enable them to earn the Associate Degree by completing general education and the 18-unit major. The program is intended to involve inquiry into the physical universe and its life forms with consideration of facts and principles which form the foundations of living and non-living systems. Students will explore scientific methodologies as investigative tools, the acquisition and use of evidence, and the past and present influences of science on world civilizations. Understanding and analysis of basic mathematical and quantitative reasoning concepts will be explored. This area includes courses in areas such as computer science, math, and science.

### Associate in Arts Degree

The Associate in Arts Degree can be obtained by completing a minimum of 18-units in the major, Option A general education, 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.

### Program Outcomes

Students who complete an Associate Degree will be able to:

1. Discern the relationship between personal perspective and evidence-based evaluation of information..
2. Discover the nature and common themes of the disciplines represented
3. Acquire a knowledge base that encourages lifelong learning in order for them to effectively adapt to a complex and changing society.

### REQUIRED COURSES:

*Minimum 6 units from Science*

*Minimum 6 units from Quantitative Reasoning*

*\*Chemistry courses may not be used in both areas, must choose one area.*

**Required Major Total Units: Minimum of 18**

### SCIENCE

ANTH 001

ASTR 010, 020, 030, 040

BIO 002, 003, 004, 005, 012, 012L, 015, 016, 018, 019

CHEM\* 001, 002, 003, 004, 010, 011, 051, 160

ENGR 017, 030, 045

GEOG 001, 001L

GEOL 001, 002, 005

HORT 050

KINE 020V, 020W

NUTR 010

PHYS 002, 004, 006, 007, 008, 010

PHSC 012

PSYC 002

### Self Development

CIS 001, 015, 020, 022, 023, 035, 050, 055, 057, 060, 073, 078

CHEM\* 001, 002, 010, 160

GEOG 010 or GEOL 010

MATH 002, 004, 011, 012, 020, 021, 022, 023, 030, 031, 040, 051, 102, 103, 104, 112, 114

PSYC 004

**Solano General Education..... 21**

**Electives (as needed to reach 60 units)..... 21**

**Total Degree Units Solano GE..... 60**

# Interdisciplinary Studies

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## Wellness and Self Development

### Program Description

This major is designed for students who are not certain of their specific academic major goals and do not have immediate transfer plans. It would enable them to earn the Associate Degree by completing general education and the 18-unit major. The program is designed to equip students with information and tools for lifelong wellness and self development as integrated beings. Students will be well acquainted with the vast landscape of wellness and self development, taking into account the psychological, biological, developmental, physical factors, and they will be able to make 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, Solano College Option A GE Pattern, 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. Students will discern the relationship between personal perspective and evidence-based evaluation of information.
2. Students will discover the nature and common themes of the disciplines represented
3. Students will acquire a knowledge base that encourages lifelong learning in order for them to effectively adapt to a complex and changing society.

### REQUIRED COURSES:

*Minimum 6 units from Wellness*

*Minimum 6 units from Self Development*

*\*Maximum 3 units of credit for Physical Education activity and Athletics courses*

**Required Major Total Units ..... 18**

**Solano General Education..... 21**

**Electives (as needed to reach 60 units)..... 21**

**Total Degree Units Solano GE..... 60**

### Wellness

ATHL\* 001, 002A, 002B, 003, 004, 010, 015, 016A, 016B, 017, 020

BIO 004, 005, 016

HED 002, 003

NUTR 010, 012

KINE 020A, 020H, 020S, 020V, 020W

KINE Activity\*: 001A, 001D, 002A, 002B, 002D, 002E, 003A, 003C, 003D, 003E, 004A, 004B, 004C, 004D, 004E, 004F, 004H, 004J, 004K, 004M, 004N, 004P, 005C, 005G, 005J, 005K, 005M, 005N, 005P, 006A, 006B, 006C, 006E, 006F, 007A, 007C, 007F, 008A, 008B, 008C, 008F, 008G, 009A, 009B, 009C, 009E, 009F, 009G, 009H, 009P, 078

### Self Development

COUN 007, 050, 055, 058, 060, 062, 063, 083, 098

HS 051, 053, 054

CDFS 038, 039, 040, 053, 070

LR 001, 010, 011

PSYC 001, 005, 010, 020, 024, 030, 034, 040, 065

SOCS 051

# International Relations

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## Program Description

International relations is part of the degree in Political Science and is interdisciplinary in nature, blending the fields of economics, history, and political science to examine such topics as human rights, global poverty, the environment, globalization, and security.

## Associate Degree

Not offered in this discipline.

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## IR 001 Global Interdependence 3.0 Units

*Course Advisory: PLSC 001; ENGL 062; Eligibility for ENGL 001.*

*General Education: Option A: Area B1; Option B: Area 4H; Option C:*

*Area D8*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

A foundation for the study of international relations, provides a backdrop to understanding global interdependence, its causes and consequences. Included are political, economic, historical, philosophical, cultural, geographical, and environmental dimensions of interdependence. This course adopts a multidisciplinary perspective and may feature guest speakers or presentations from a variety of disciplines.

*(C-ID POLS 140)*

# Journalism (AA-T)

## CAREER PATHS:

Broadcast News Analyst

Communications or Journalism Teacher

Photographer

Proofreader and Copy Marker

Reporter or Correspondent

Radio and Television Announcer

Additional Career Paths and related data, including state-by-state wage info and growth in the field, can be found at [www.onetonline.org](http://www.onetonline.org). This program map represents one possible pathway. See a counselor to create a customized education plan. Map is for the 2019-2020 catalog year.

# 1

## FIRST SEMESTER

Total Recommended Units: 15

**JOUR 001** **3 units**  
Newswriting and Reporting

**MATH 011** **4 units**  
Intro to Statistics (CSUGE Area B4)

**ENGL 001** **4 units**  
College Composition (CSUGE Area A2)

**LR 010** **1 units**  
Library Research and Information Competency

**CSUGE C1** **3 units**

# 2

## SECOND SEMESTER

Total Recommended Units: 17

**JOUR 011** **3 units**  
Intro to Mass Communication (CSUGE Area D)

**CSUGE Area A1** **3 units**  
Suggested: COMM 001 or COMM 002

**CSUGE Area A3** **4 units**  
Suggested: ENGL 002 or ENGL 004

**CSUGE Area B2** **4 units**  
With Lab.

**CSUGE Area E** **3 units**

# 3

## THIRD SEMESTER

Total Recommended Units: 15

**JOUR 060** **3 units**  
Publications Laboratory I

**COMM 006** **3 units**  
Argumentation and Debate

**CSUGE Area B1** **3 units**  
Without Lab.

**CSUGE Area C2** **3 units**  
Suggested: HIST 017, 018, 028, 029, or 031

**CSUGE Area D** **3 units**  
Suggested: PLSC 001 or 005

# 4

## FOURTH SEMESTER

Total Recommended Units: 15

**JOUR 061** **3 units**  
Publications Laboratory II

**CSUGE Area C1 or C2** **3 units**  
Suggested: ENGL 006 or 058

**CSUGE Area D** **3 units**  
Suggested: PSYC 001 or SOC 001

**Transferable Elective** **3 units**  
Suggested: Course #001-099

**Transferable Elective** **3 units**  
Suggested: Course #001-099

Required Courses/Courses in Discipline

GE Courses/Categories



**SOLANO**  
COMMUNITY COLLEGE

## JOURNALISM

Associate in Arts for Transfer  
GE Pattern: CSUGE  
Program Total Units: 62

For more information  
please contact:  
(707) 864-7114

## GET STARTED NOW!

▶ **Get started on your Pathway now with these recommended courses!**

*Then* – See a counselor to create a **CUSTOMIZED** education plan personalized to your career and transfer goals!

▶ Required courses may change depending on a student's career and transfer goals, including requirements for cross-cultural and foreign language courses, and/or specific requirements for an individual CSU or UC.

▶ Unique transfer requirements for a specific institution can be found at [www.assist.org](http://www.assist.org).

## LET US HELP YOU!

**How to Apply:** [solano.edu/ar/apply.php](http://solano.edu/ar/apply.php)

### ■ Questions? Talk to a Counselor Now!

Main Campus, Fairfield: (707) 864-7101  
Vacaville Center: (707) 863-7836  
Vallejo Center: (707) 642-8188  
Travis AFB: (707) 863-7878  
Visit online at [solano.edu/counseling](http://solano.edu/counseling)

### ■ Contact Our Career Center to Learn Your Career Options!

Call 707-864-7124, or email at [CareerCenter@solano.edu](mailto:CareerCenter@solano.edu)  
Visit online at [solano.edu/career](http://solano.edu/career)

### ■ You Can Afford College! Learn more about Financial Aid!

Call 707-864-7103, or email at [FinancialAid@solano.edu](mailto:FinancialAid@solano.edu)  
Visit online at [solano.edu/financial\\_aid](http://solano.edu/financial_aid)

■ **College is Accessible!** Contact our Disability Services Program (DSP) at 707-864-7136.

# Journalism

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

### Program Description

Journalism teaches critical thinking and communication skills that enable students to translate events and issues of importance accurately and responsibly. The Associate in Arts for Transfer (AA-T) in Journalism is intended for students who plan to complete a bachelor's degree in Journalism, Mass Communication, Public Relations or Advertising at a CSU campus. Students completing this degree (AA-T in Journalism) are guaranteed admission to the CSU system, but not to a particular campus or major.

### Associate in Arts in Journalism for Transfer

Students will gain first-hand experience of journalism through practicum on the student newspaper, The Tempest, and its online version Solanotempest.net, and in some cases through placement in internships in the industry. Students learn the ethics and laws associated with journalism, as well as develop an understanding their own First Amendment rights.

### To earn the Associate in Arts in Journalism for Transfer, 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 Journalism for Transfer degree will be able to:

1. Demonstrate the research and critical thinking skills necessary to analyze and interpret current issues in a professional media environment.
2. Demonstrate a working knowledge of the written, oral and visual communication skills necessary to analyze, interpret and produce accurate news and editorials across a variety of platforms.
3. Analyze and debate the legal and ethical issues of journalism and apply them to individual circumstances.
4. Demonstrate a working knowledge of the fundamental technological applications of media production.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
JOUR 001 Newswriting and Reporting .....	3
JOUR 011 Introduction to Mass Communication.....	3
JOUR 060 Publications Laboratory .....	3
One course from List A.....	3
Two courses from List B .....	6-7
<b>Required Major Total Units</b> .....	<b>18-19</b>
<b>List A:</b> (select one course): .....	<b>Units</b>
JOUR 061 Publications Laboratory II.....	3
PHOT 056 Photojournalism & Documentary Photography .....	3
<b>List B:</b> (select two courses): .....	<b>Units</b>
CIS 085 Digital Publishing with InDesign.....	3
COMM 006 Argumentation and Debate.....	3
ECON 001 Principles of Economics (Macroeconomics) ..	3
or ECON 002 Principles of Economics (Microeconomics) ..	3
MATH 011 Elementary Statistics .....	4

<b>CSU General Education or IGETC Pattern Units ...</b>	<b>37-39</b>
<b>CSU Transferable Electives (as needed to reach 60 transferable units)* .....</b>	<b>11-14</b>
<b>Total Degree Units</b> .....	<b>60</b>

\* 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.

# Journalism

## Journalism

### Program Description

Journalism teaches critical thinking and communication skills that enable students to translate events and issues of importance accurately and responsibly. Student who may benefit from the major are those anticipating careers in newspapers; television or film; photojournalism; layout, computer graphics or graphic design; advertising or public relations; or media management.

### Associate in Arts Degree

An Associate in Arts Degree can be obtained upon completion of the 24-unit major, general education requirements 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 Journalism Associate Degree will be able to:

1. Demonstrate the fundamental research and critical thinking skills necessary to analyze and interpret current issues in a professional media environment.
2. Utilize written, oral and visual communication skills to analyze, interpret and produce accurate news and opinions across a variety of platforms.
3. Recognize fundamental legal and ethical aspects of journalism and apply them to real-life circumstances.
4. Demonstrate a working knowledge of the fundamental technological applications of media production.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
JOUR 001 Newswriting and Reporting .....	3
JOUR 002 Introduction to Feature and Magazine Writing.....	3
JOUR 011 Introduction to Mass Communication.....	3
JOUR 060 Publications Laboratory .....	3
12 Units of Program electives from List A, List B, and List C.....	12
<b>Required Major Total Units</b> .....	<b>24</b>

<b>CSU General Education or IGETC Pattern units</b> ....	<b>37-39</b>
<b>Transferable Electives (as needed to reach 60 units)</b> ..	<b>0-1</b>
<b>Total Degree Units CSU GE or IGETC</b> .....	<b>60</b>
<b>Solano General Education</b> .....	<b>21</b>
<b>Electives (as needed to reach 60 units)</b> .....	<b>16</b>
<b>Total Degree Units Solano GE</b> .....	<b>60</b>

\* 0-3 units may be double counted toward both the major area of emphasis and CSU General Education or IGETC Pattern. Consult with a counselor for more information on completing this degree.

*Program electives are intended to improve students' critical thinking and communication skills and to give them tools to succeed in the workplace. Students must take at least three units in each of the following areas:*

<b>List A:</b> .....	<b>Units</b>
ENGL 002 Critical Thinking and Writing About Literature .....	4
ENGL 004 Critical Thinking and Composition: Language in Context.....	3
COMM 006 Argumentation and Debate.....	3
MATH 011 Elementary Statistics .....	4
PHIL 005 Critical Thinking: The Philosophic Grounds of Literacy .....	3

PHOT 030 Beginning Photography .....	3
PHOT 056 Photojournalism & Documentary Photography .....	3
PHOT 070 Beginning Digital Photography.....	3
THEA 050 Performance for the Camera .....	3
TV 055 Beginning Television Production .....	3
TV 056 Advanced Television Production .....	3
TV 060 Television and Film Writing.....	3

<b>List B:</b> .....	<b>Units</b>
ART 006 Design Principles in 2-Dimensions .....	3
ART 007 Design-Color.....	3
ART 052 Lettering and Layout.....	2-3
ART 056 Graphic Design I .....	3
ART 057 Graphic Design II.....	3
COMM 001 Introduction to Public Speaking .....	3
ENGL 006 Creative Writing 1 .....	3
ENGL 058 Creative Writing: The Literary Magazine.....	3
JOUR 050 Grammar and Style for Media Writers .....	1

<b>List C</b>	
OCED 090 Occupational Work Experience .....	1-8
Any modern foreign language	



# Journalism

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## **JOUR 001    Newswriting & Reporting**

**3.0 Units**

*Prerequisite: Eligibility for ENGL 001 "or recommendation of counselor or English instructor based on a Multiple Measures Evaluation.*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Theory and practice of writing news stories for the media. The student learns effective writing and interviewing strategies, common story structures, grammar and style rules, libel and privacy laws. (C-ID JOUR 110)

## **JOUR 002**

**3.0 Units**

### **Introduction to Feature and Magazine Writing**

*Prerequisite: Eligibility for ENGL 001.*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Theory and practice of feature writing, including profiles, critical reviews, opinion columns, travel, news features and trend stories. Students learn research and reporting methods, grammar and style rules, libel and privacy laws, and tools for marketing their stories.

## **JOUR 011**

**3.0 Units**

### **Introduction to Mass Communication**

*Prerequisite: Eligibility for ENGL 001.*

*General Education: Option A: Area B2; Option B: Area 4G; Option C: Area D7*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Study of the mass media including newspapers, magazines, radio, television, motion pictures and advertising which examines the standards, ethics, and rights of the media and the relationship of government and the public to the various media forms. Emphasis is on the functions, limitations, and responsibilities of the press, as well as the past, present and future impact on society and the individual. Attention will be given to theories of persuasion, the symbolic power and manipulation of images, and the relationship between information and knowledge. Essay examinations and critical papers are required. (C-ID JOUR 100)

## **JOUR 050    Grammar & Style for Media Writers**    **1.0 Unit**

*Prerequisite: Eligibility for ENGL 001.*

*Course Advisory: SCC minimum Math standard.*

*Transferable to CSU*

*Hours: 16-18 lecture.*

Intensive review of grammar, word use, spelling, and principles of clear, concise writing for the media. This course is a Pass/No Pass only course.

## **JOUR 059    News Media Laboratory**

**1.0 Unit**

*Course Advisory: Eligibility for ENGL 001.*

*Transferable to CSU*

*Hours: 48-54 lab.*

Intended for non-journalism majors to learn the fundamentals of media reporting while working as a staff member of the student news publications, *The Tempest* newspaper and the SolanoTempest.net website. Students may work in the areas of writing, photography, illustration or multimedia, and will be introduced to: journalistic laws and ethics, opinion and news writing, covering the campus community, working on deadline, visual communication, and working on a team to produce a journalistic product for distribution to a campus-wide audience. Students are limited to four classes within the Publications Laboratory family. Journalism majors should enroll in Journalism 060.

## **JOUR 060    Publications Laboratory**

**3.0 Units**

*Prerequisite: Eligibility for ENGL 001.*

*Transferable to CSU*

*Hours: 144-162 lab.*

Focuses on creating content and producing the student news publications, *The Tempest* newspaper and the SolanoTempest.net website, as a practical laboratory that produces a journalistic product for distribution to a college-wide audience. Journalistic ethics and legal aspects will be covered. Students will work primarily in one of the following areas: researching, writing and editing articles, taking photographs, creating illustrations, creating multimedia stories, or designing pages and graphics. Students are limited to four classes within the Publications Laboratory family. (C-ID JOUR 130)

## **JOUR 061    Publications Laboratory II**

**3.0 Units**

*Prerequisite: JOUR 060 with a minimum grade of C.*

*Transferable to CSU*

*Hours: 112-126 lecture, 32-36 lab.*

Intermediate journalism students will broaden their newsgathering skills while creating content for and producing the student news publications, *The Tempest* newspaper and the SolanoTempest.net website. This is a practical laboratory that produces a journalistic product for distribution to a college-wide audience. Journalistic ethics and legal aspects will be covered. Students will work primarily in two of the following areas: researching, writing and editing articles, taking photographs, creating illustrations, creating multimedia stories, or designing pages and graphics. Students are limited to four classes within the Publications Laboratory family. (C-ID JOUR 131)

# Journalism

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## **JOUR 062 Publications Laboratory III 2.0 to 3.0 Units**

*Prerequisite: JOUR 061 with a minimum grade of C.  
Transferable to CSU  
Hours: 96-162 lab.*

Intermediate journalism students will provide editorial leadership and in-depth coverage for the student news publications, *The Tempest* newspaper and the SolanoTempest.net website, as a practical laboratory that produces a journalistic product for distribution to a college-wide audience. Journalistic ethics and legal aspects will be covered. Students will work primarily in three of the following areas: editorial leadership, in-depth coverage, researching, writing and editing articles, taking photographs, creating illustrations, creating multimedia stories, or designing pages and graphics. Students are limited to four classes within the Publications Laboratory family.

## **JOUR 064 Publications Portfolio 1.0 Unit**

*Prerequisite: JOUR 062 with a minimum grade of C.  
Transferable to CSU  
Hours: 48-54 lab.*

Students with prior instruction in reporting, editing, photography, illustration, design or digital media will integrate their journalism skills to provide editorial leadership and/or create published works for the student news publications, *The Tempest* newspaper and the SolanoTempest.net website, while learning the basic principles of preparing a professional portfolio. An intermediate class for students preparing for employment in journalism and related fields. Students are limited to four classes within the publications family.

## **JOUR 075 3.0 Units**

### **Intermediate Newswriting and Reporting**

*Prerequisite: JOUR 001 with a minimum grade of C.  
Transferable to CSU  
Hours: 48-54 lecture.*

Continuation of the introductory newswriting/reporting course and focuses on beat coverage including government, public safety, courts, and education for various news media platforms. Students will learn research and reporting methods and how to report for a variety of news purposes including: news, opinion, social issues, and feature or investigative pieces.

## **JOUR 099 1.0 to 3.0 Units**

### **Journalism Honors: Field Study**

*Prerequisite: Completion of 24 units of college credit with a minimum GPA of 3.3; a minimum of 5 units in the discipline with a minimum grade of B; an ability to work independently; and permission of the School Dean based on instructor availability.  
Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard.  
Transferable to CSU  
Hours: 48-162 lab by arrangement.*

Independent study course designed for students who have successfully completed at least two journalism classes and wish to do field work. The student works by arrangement with the instructor.

# Kinesiology (AA-T)

## CAREER PATHS:

Physical or Occupational Therapist

Exercise Physiologist

Sports Administrator

Fitness Coach/Trainer

Additional Career Paths and related data, including state-by-state wage info and growth in the field, can be found at [www.onetonline.org](http://www.onetonline.org).

This program map represents one possible pathway. See a counselor to create a customized education plan. Map is for the 2019-2020 catalog year.

## 1 FIRST SEMESTER

Total Recommended Units: 16

<input type="checkbox"/>	<b>KINE 020A</b>	<b>3 units</b>
	Introduction to Kinesiology	
<input type="checkbox"/>	<b>Movement-based Course</b>	<b>1 unit</b>
	Aquatics, Combatives, Dance, Fitness, Individual, Team. Max one per group.	
<input type="checkbox"/>	<b>MATH 011</b>	<b>4 units</b>
	Elementary Statistics (IGETC 2)	
<input type="checkbox"/>	<b>ENGL 001</b>	<b>4 units</b>
	College Composition (IGETC 1A)	
<input type="checkbox"/>	<b>LR 010</b>	<b>1 unit</b>
	Library Research/Info Competency	
<input type="checkbox"/>	<b>IGETC 3A</b>	<b>3 units</b>

## 3 THIRD SEMESTER

Total Recommended Units: 15

<input type="checkbox"/>	<b>BIO 004 with Lab</b>	<b>5 units</b>
	Human Anatomy (IGETC 5B)	
<input type="checkbox"/>	<b>Movement-based Course</b>	<b>1 unit</b>
	Aquatics, Combatives, Dance, Fitness, Individual, Team. Max one per group.	
<input type="checkbox"/>	<b>IGETC 3B/Am Inst Grp 2</b>	<b>3 units</b>
	Suggested: HIST 017 or 018	
<input type="checkbox"/>	<b>Transferable Elective</b>	<b>3 units</b>
	Suggested: NUTR 010 for transfer in Physical Therapy	
<input type="checkbox"/>	<b>IGETC 4</b>	<b>3 units</b>

## 2 SECOND SEMESTER

Total Recommended Units: 16

<input type="checkbox"/>	<b>CHEM 001</b>	<b>5 units</b>
	General Chemistry I (IGETC 5A)	
<input type="checkbox"/>	<b>Movement-based Course</b>	<b>1 unit</b>
	Aquatics, Combatives, Dance, Fitness, Individual, Team. Max one per group.	
<input type="checkbox"/>	<b>IGETC 1B</b>	<b>4 units</b>
	Suggested: ENGL 002	
<input type="checkbox"/>	<b>Transferable Elective</b>	<b>3 units</b>
	Suggested: MATH 002 for transfer in Physical Therapy	
<input type="checkbox"/>	<b>Transferable Elective</b>	<b>3 units</b>
	Suggested: MATH 051 for transfer in Physical Therapy	

## 4 FOURTH SEMESTER

Total Recommended Units: 17

<input type="checkbox"/>	<b>BIO 005 with Lab</b>	<b>5 units</b>
	Human Physiology	
<input type="checkbox"/>	<b>IGETC 4/Am Inst Grp 1</b>	<b>3 units</b>
	Suggested: PLSC 001 or PLSC 005	
<input type="checkbox"/>	<b>IGETC 1C</b>	<b>3 units</b>
	Suggested: COMM 001 or 002 or 006	
<input type="checkbox"/>	<b>IGETC 3 A or B</b>	<b>3 units</b>
<input type="checkbox"/>	<b>IGETC 4</b>	<b>3 units</b>

Required Courses/Courses in Discipline  GE Courses/Categories



**SOLANO**  
COMMUNITY COLLEGE

## KINESIOLOGY

Associate in Arts for Transfer  
GE Pattern: IGETC Program  
Total Units: 64

For more information  
please  
contact:  
**(707) 864-7108**

## GET STARTED NOW!

### Get started on your Pathway now with these recommended courses!

*Then* – See a counselor to create a **CUSTOMIZED** education plan personalized to your career and transfer goals!

Required courses may change depending on a student's career and transfer goals, including requirements for cross-cultural and foreign language courses, and/or specific requirements for an individual CSU or UC.

Unique transfer requirements for a specific institution can be found at [www.assist.org](http://www.assist.org).

## LET US HELP YOU!

**How to Apply:** [solano.edu/ar/apply.php](http://solano.edu/ar/apply.php)

### Questions? Talk to a Counselor Now!

Main Campus, Fairfield: (707) 864-7101  
Vacaville Center: (707) 863-7836  
Vallejo Center: (707) 642-8188  
Travis AFB: (707) 863-7878  
Visit online at [solano.edu/counseling](http://solano.edu/counseling)

### Contact Our Career Center to Learn Your Career Options!

Call 707-864-7124, or email at [CareerCenter@solano.edu](mailto:CareerCenter@solano.edu)  
Visit online at [solano.edu/career](http://solano.edu/career)

### You Can Afford College! Learn more about Financial Aid!

Call 707-864-7103, or email at [FinancialAid@solano.edu](mailto:FinancialAid@solano.edu)  
Visit online at [solano.edu/financial\\_aid](http://solano.edu/financial_aid)

**College is Accessible!** Contact our Disability Services Program (DSP) at 707-864-7136.

# Kinesiology

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

### Program Description

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

### Associate in Arts in Kinesiology for Transfer

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

### To earn the Associate in Arts in Kinesiology for Transfer degree, students must:

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

### Program Outcomes

Students who complete the Associate in Arts in Kinesiology for Transfer degree will be able to:

1. 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 how ethical, psychological, historical, and philosophical factors influence the discipline of Kinesiology and sports.
5. Explain the career options available to students graduating from departments of Kinesiology, and the qualifications associated with each.

REQUIRED COURSES .....	Units
BIO 004 Human Anatomy .....	5
BIO 005 Introductory Physiology .....	5
KINE 020A Introduction to Kinesiology .....	3
3 units from Movement-based courses (maximum of one course from any group) .....	3
Two courses from List A .....	6-9
<b>Required Major Total Units .....</b>	<b>22-25</b>

### Movement-based Courses

<b>Aquatics:</b> (maximum of one course) .....	Units
KINE 002A Beginning Swimming .....	1
KINE 002B Intermediate Swimming .....	1
KINE 002D Swim for Fitness .....	1
<b>Combatives:</b> (maximum of one course) .....	Units
KINE 003A Beginning Self Defense .....	1
KINE 003D Beginning Judo .....	1
KINE 003E Intermediate Judo .....	1
KINE 006A Cardio Kickboxing .....	1

<b>Dance:</b> (maximum of one course).....	Units
DANC 004A Beginning Contemporary Modern Dance .....	1
DANC 004B Beginning Tap Dance .....	1
DANC 004C Intermediate Tap Dance .....	1
DANC 004D Advanced Jazz Dance .....	1
DANC 004F Beginning Hip-Hop Dance.....	1
DANC 004H Beginning Jazz Dance .....	1
DANC 004J Beginning Ballroom Dance .....	1
DANC 004K Beginning Ballet .....	1
DANC 004M Intermediate Ballet.....	1
DANC 004N Beginning Swing Dance .....	1
DANC 004P Intermediate Jazz Dance.....	1
DANC 004S Intermediate Swing Dance .....	1
DANC 004T Intermediate Ballroom Dance.....	1

# Kinesiology

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**Fitness:** (maximum of one course) ..... **Units**

KINE 005D Circuit Training .....	1
KINE 005E Cardio Conditioning .....	1
KINE 005J Beginning Body Conditioning .....	1
KINE 005K Intermediate Body Conditioning .....	1
KINE 005M Beginning Weight Training .....	1
KINE 005N Intermediate Weight Training .....	1
KINE 005P Step Aerobics .....	1
KINE 005R Functional & Core Training .....	1
KINE 006C Pilates for Fitness .....	1
KINE 006E Fundamentals of Yoga.....	1
KINE 006F Intermediate Yoga.....	1
KINE 078 Fit Ball Training .....	1

**Individual Sports:** (maximum of one course)..... **Units**

KINE 007F Beginning Archery .....	1
KINE 008A Beginning Tennis.....	1
KINE 008B Intermediate Tennis.....	1
KINE 008E Beginning Badminton .....	1
KINE 008F Intermediate Badminton.....	1

**Team Sports:** (maximum of one course)..... **Units**

KINE 009A Beginning Basketball .....	1
KINE 009E Intermediate Basketball .....	1
KINE 009F Beginning Baseball.....	1
KINE 009G Softball .....	1
KINE 009H Beginning Volleyball .....	1
KINE 009P Intermediate Volleyball.....	1

**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.....	3
CHEM 012 Chemistry for Health Services .....	3
KINE 020S Advanced First Aid and Emergency Care.....	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**

<b>CSU Transferable Electives (as needed to reach 60 transferable units)* .....</b>	<b>1-12</b>
<b>Total Degree Units .....</b>	<b>60</b>

*\*6-15 units may be double counted toward both the major area of emphasis and CSU General Education or IGETC Pattern. Consult with a counselor for more information on completing this degree*

# Kinesiology

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## *Sports Medicine/Athletic Training*

### **Program Description**

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

### **Associate in Science Degree**

The Associate in Science Degree can be obtained upon completion of the 25-unit major, general education requirements, 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.

### **Program Outcomes**

Students who complete the Sports Medicine/Athletic Training Associate Degree will be able to:

1. Recognize and identify common athletic injuries and the role the certified athletic trainer plays in injury assessment.
2. Complete athletic training competency skills required in first 2 years of ATEP Athletic Training programs.  
Develop and apply strategies to prevent the incidence and/or severity of injury and illnesses
3. Apply clinical and decision making skills to respond to acute injury and illness; including emergencies
4. Assess patient status and develop treatment and rehabilitation that are consistent with contemporary disablement models
5. Identify, in the laboratory, major microscopic and gross structures of the major systems of the human body.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
BIO 004 Human Anatomy .....	5
CHEM 010 Intermediate Chemistry.....	4
KINE 020A Introduction to Kinesiology.....	3
SPMD 054 Care and Prevention of Athletic Injuries.....	3
KINE 020S Advanced First Aid and Emergency Care.....	3
SPMD 055A Sports Medicine-Athletic Training Practicum Fall Sports.....	3
SPMD 055B Sports Medicine-Athletic Training Practicum Spring Sports.....	3
SPMD 071 Back Care and Injury Management.....	1
<b>Required Major Total Units</b> .....	<b>25</b>

<b>CSU General Education or IGETC Pattern units....</b>	<b>37-39</b>
<b>Transferable Electives (as needed to reach 60 units) ..</b>	<b>4-5</b>
<b>Total Degree Units CSU GE or IGETC .....</b>	<b>60</b>
<b>Solano General Education.....</b>	<b>21</b>
<b>Electives (as needed to reach 60 units).....</b>	<b>14</b>
<b>Total Degree Units Solano GE.....</b>	<b>60</b>

*\* 6-9 units may be double counted toward both the major area of emphasis and CSU General Education or IGETC Pattern. Consult with a counselor.*



# Kinesiology

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## *Fitness Professional Job-Direct Low Unit Certificate*

The required courses must be completed with a minimum grade of C.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
KINE 005J Beginning Body Conditioning .....	1
or	
KINE 005K Intermediate Body Conditioning .....	1
 KINE 020S Advanced First Aid and Emergency Care ....	 3
KINE 020W Principles of Fitness & Sports Training .....	3
KINE 020V Introduction to Sports Science .....	3
NUTR 010 Nutrition .....	3
4.0 Units from the following list: *	4
<b>Total Units</b> .....	<b>17</b>

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

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

# Kinesiology

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## Athletics

### ATHL 001

#### Women's Intercollegiate Volleyball (Fall)

Course Advisory: SCC minimum English and Math standards.

General Education: Option A: Health & PE

Transferable to UC

Hours: 160-180 lab.

A comprehensive course designed for the student-athlete covering advanced intercollegiate volleyball skills. The course includes the theories and analyses of offensive and defensive strategies, skill acquisition, development of fitness skills and mental preparation for competition. Repeatable 3 times.

3.0 Units

### ATHL 001A

#### Off-Season Intercollegiate Volleyball Conditioning

Prerequisite: Athletic Tryout & Team Selection.

Course Advisory: High School and competitive experience.

General Education: Option A: Local District Requirements

Transferable to UC/CSU

Hours: 128-144 lab.

A comprehensive course designed for the student-athlete covering intercollegiate volleyball skills. The course includes the theories and analyses of offensive and defensive strategies, skill acquisition, development of fitness skills and mental preparation for non-traditional competition. Repeatable 3 times.

2.5 Units

### ATHL 001B

#### Pre-season Intercollegiate Volleyball

Transferable to UC/CSU

Hours: 48-54 lab.

A comprehensive course designed for the intercollegiate student-athlete. The course focus is on continued development and enhancement of physical performance and maintenance level required of each student-athlete participating in intercollegiate volleyball. The course will focus on learning and execution of fitness/conditioning parameters as well as pre and post tests on volleyball skills. Repeatable 3 times.

1.0 Unit

### ATHL 002A

#### Women's Intercollegiate Basketball (Fall)

Course Advisory: SCC minimum English and Math standards.

General Education: Option A: Health & PE

Transferable to UC/CSU

Hours: 64-72 lab.

A comprehensive course designed for the student-athlete covering advanced intercollegiate basketball skills. The course includes the theories and analyses of offensive and defensive strategies, acquisition and development of physical skills, and mental preparation for competition. Repeatable 3 times.

1.0 Unit

### ATHL 002B

#### Women's Intercollegiate Basketball (Spring)

Course Advisory: SCC minimum English and Math standards.

General Education: Option A: Health & PE

Transferable to UC

Hours: 96-108 lab.

A comprehensive course designed for the student-athlete covering advanced intercollegiate basketball skills. The course includes the theories and analyses of offensive and defensive strategies, acquisition and development of physical skills, and mental preparation for competition. Repeatable 3 times.

2.0 Units

### ATHL 002C

#### Off-Season Intercollegiate Basketball Conditioning

Prerequisite: Athletic Tryout & Team Selection.

Transferable to UC/CSU

Hours: 48-54 lab.

A comprehensive course designed for the intercollegiate basketball student-athlete. The course focus is on continued development and enhancement of physical performance and maintenance level required of basketball. The course will focus on fitness/conditioning as well as basketball specific movements. Repeatable 3 times.

1.0 Unit

### ATHL 002D

#### Intercollegiate Basketball Conditioning

Prerequisite: Athletic Tryout & Team Selection.

Transferable to UC/CSU

Hours: 24-27 lab.

A comprehensive course designed for the intercollegiate basketball student-athlete. The course focus is on continuing to develop fundamental basketball skills. The course includes offensive and defensive concepts, skill acquisition, and fitness development specific to basketball.

0.5 Unit

# Kinesiology

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## **ATHL 002E**

**1.5 Units**

### **Pre-Season Intercollegiate Basketball Conditioning**

*Prerequisite: Athletic Tryout & Team Selection.*

*Transferable to UC/CSU*

*Hours: 84-94.5 lab.*

A comprehensive course designed for the intercollegiate basketball student-athlete. The course focus is on developing fundamental basketball skills. The course includes the theories and analyses of offensive and defensive strategies, skill acquisition, development of fitness and mental preparation for competition. Repeatable 3 times.

## **ATHL 003 Intercollegiate Softball (Women) 3.0 Units**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Health & PE*

*Transferable to UC*

*Hours: 160-180 lab.*

A comprehensive course designed for the student-athlete covering advanced softball skills. The course includes the theories and analyses of offensive and defensive strategies, skill acquisition, development of fitness skills and mental preparation for competition. Repeatable 3 times.

## **ATHL 003A**

**3.0 Units**

### **Off-Season Intercollegiate Softball Conditioning**

*Prerequisite: Athletic Tryout & Team Selection.*

*General Education: Option A: Health & PE*

*Transferable to UC/CSU*

*Hours: 144-162 lab.*

A comprehensive course covering fundamental softball skills designed to develop the off-season student-athlete. The course includes the theories and analyses of offensive and defensive strategies, skill acquisition, development of fitness skills and mental preparation for competition. Repeatable 3 times.

## **ATHL 003B**

**0.5 Unit**

### **Pre-Season Intercollegiate Softball Conditioning**

*Prerequisite: Athletic Tryout & Team Selection.*

*General Education: Option A: Health & PE*

*Transferable to UC/CSU*

*Hours: 24-27 lab.*

A comprehensive course designed for the intercollegiate softball student-athlete. The course focus is on continued development and enhancement of physical performance and maintenance level required of softball. The course will focus on fitness/conditioning as well as sport-specific movements in preparation for the start of the collegiate season of competition. Repeatable 3 times.

## **ATHL 004**

**2.0 Units**

### **Women's Intercollegiate Soccer (Fall)**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Health & PE*

*Transferable to UC/CSU*

*Hours: 160-180 lab.*

A comprehensive course designed for the student-athlete covering advanced intercollegiate soccer skills. The course includes the theories and analysis of offensive and defensive strategies, skill acquisition, development of fitness skills and mental preparations for competition. Repeatable 3 times.

## **ATHL 004A**

**1.5 Units**

### **Off-Season Intercollegiate Women's Soccer**

*Course Advisory: Higher level soccer playing experience such as high school school and/or club level.*

*Transferable to UC/CSU*

*Hours: 80-90 lab.*

A comprehensive course designed for the student-athlete covering intercollegiate soccer skills. The course includes the theories and analyses of offensive and defensive strategies, skill acquisition, development of fitness skills and mental preparation for non-traditional competition. Repeatable 3 times.

## **ATHL 004B**

**1.5 Units**

### **Pre-season Women's Intercollegiate Soccer**

*Prerequisite: Athletic Tryout and Team Selection.*

*General Education: Option A: Health & PE*

*Transferable to UC/CSU*

*Hours: 80-90 lab.*

A comprehensive course designed to develop the pre-season student athlete covering fundamental soccer skills. This is a course designed for the intercollegiate student-athlete. The course focus is on continued development and enhancement of physical performance and maintenance level required of each student-athlete participating in intercollegiate soccer. The course will focus on learning and execution of fitness/conditioning parameters as well as pre and post tests on soccer skills.

## **ATHL 010**

**3.0 Units**

### **Men's and Women's Intercollegiate Swimming and Diving**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Health & PE*

*Transferable to UC*

*Hours: 160-180 lab.*

A comprehensive course designed for the student-athlete covering advanced intercollegiate swimming and diving skills. The course includes theories and analyses of skill acquisition, development of fitness skills and mental preparation for competition. Repeatable 3 times.

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## **ATHL 010A PreSeason Swimming & Diving 2.0 Units**

*General Education: Option A: Local District Requirements*  
*Transferable to UC/CSU*  
*Hours: 96-108 lab.*

A comprehensive course designed for the student-athlete covering intercollegiate swimming and diving skills. The course includes the theories and analyses of stroke technique and racing and diving strategies, skill acquisition, development of fitness and conditioning and mental preparation for non-traditional competition. Student-athletes interested in trying out for the intercollegiate team in the fall should be enrolled in this course. Repeatable 3 times.

## **ATHL 015 Men's Intercollegiate Baseball 3.0 Units**

*Course Advisory: SCC minimum English and Math standards.*  
*General Education: Option A: Health & PE*  
*Transferable to UC*  
*Hours: 160-180 lab.*

A comprehensive course designed for the student-athlete covering advanced intercollegiate baseball skills. The course includes the theories and analyses of offensive and defensive strategies, skill acquisition, development of fitness skills and mental preparation for competition. Repeatable 3 times.

## **ATHL 015A 3.0 Units**

### **Off-Season Intercollegiate Baseball Conditioning**

*Prerequisite: Athletic Tryout & Team Selection.*  
*Transferable to UC/CSU*  
*Hours: 144-162 lab.*

A comprehensive course covering fundamental baseball skills designed to develop the off-season student athlete. The course includes the theories and analyses of hitting, pitching, and defensive strategies, skill acquisition, development of fitness skills, and mental preparation for competition. Repeatable 3 times.

## **ATHL 015B 0.5 Unit**

### **Pre-Season Intercollegiate Baseball**

*Prerequisite: Athletic Tryout & Team Selection.*  
*Transferable to UC/CSU*  
*Hours: 24-27 lab.*

A comprehensive course designed for the intercollegiate baseball student-athlete. The course focus is on continued development and enhancement of physical performance and maintenance level required of baseball. The course will focus on fitness/conditioning as well as sport specific movements in preparation for the start of the collegiate season of competition. Repeatable 3 times.

## **ATHL 016A 1.0 Unit**

### **Men's Intercollegiate Basketball (Fall)**

*Course Advisory: SCC minimum English and Math standards.*  
*General Education: Option A: Local District Requirements*  
*Transferable to UC/CSU*  
*Hours: 64-72 lab.*

A comprehensive course designed for the student-athlete covering advanced intercollegiate basketball skills. The course includes the theories and analyses of offensive and defensive strategies, acquisition and development of physical skills, and mental preparation for competition. Repeatable 3 times.

## **ATHL 016B 2.0 Units**

### **Men's Intercollegiate Basketball (Spring)**

*Course Advisory: SCC minimum English and Math standards.*  
*General Education: Option A: Local District Requirements*  
*Transferable to UC*  
*Hours: 96-108 lab.*

A comprehensive course designed for the student-athlete covering advanced intercollegiate basketball skills. The course includes the theories and analyses of offensive and defensive strategies, acquisition and development of physical skills, and mental preparation for competition. Repeatable 3 times.

## **ATHL 022 Intercollegiate Tennis 3.0 Units**

*Prerequisite: Athletic Tryout & Team Selection.*  
*General Education: Option A: Local District Requirements*  
*Transferable to UC/CSU*  
*Hours: 160-180 lab.*

A comprehensive course designed for the student-athlete covering advanced intercollegiate tennis skills. The course includes the four pillars of the game: mental, physical, tactical, and technical facets. Includes a global and historical examination of the sport, rules, equipment, facilities, and etiquette. Through the intercollegiate competitive experience students will improve their individual tennis skills, increase their ability to employ advanced strategies and increase their knowledge of physical training, nutrition, and biomechanics underlying the development of force, power and accuracy. Day and/or overnight travel will be required. Repeatable 3 times.

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## ATHL 022A

3.0 Units *Dance*

### Off-Season Intercollegiate Tennis Conditioning

*Requisite: Athletic Tryout & Team Selection.*

*Course Advisory: Advanced tennis skills and/or competitive experience at the high school or tennis club level.*

*General Education: Option A: Local District Requirements*

*Transferable to UC/CSU*

*Hours: 144-162 lab.*

A comprehensive pre-season course designed to help the tennis student-athlete to develop and practice skills. This course includes mental, physical, tactical and technical facets of the game of tennis. The course includes theories and analyses of offensive and defensive strategies, skill acquisition and sport specific fitness. Repeatable 3 times.

## ATHL 022B

0.5 Unit

### Pre-Season Intercollegiate Tennis Conditioning

*Prerequisite: Athletic Tryout & Team Selection.*

*Transferable to UC/CSU*

*Hours: 24-27 lab.*

A comprehensive course designed for the intercollegiate tennis student-athlete. The course focus is on continued development and enhancement of physical performance and maintenance level required of tennis. The course will focus on fitness/conditioning as well as sport specific movements in preparation for the start of the collegiate season of competition. Repeatable 3 times.

## ATHL 025

1.0-1.5 Unit

### In-Season Intercollegiate Conditioning

*Corequisite: Course is for Intercollegiate student athletes, must enroll in both ATHL (team course) and ATHL 020 in the same season. Each Sport has their own ATHL \_\_\_\_ (#). Take ATHL course that is represented with course of study.*

*General Education: Option A: Health & PE*

*Hours: 48-54 or 72-81 lab.*

A comprehensive course designed for the intercollegiate student athlete. The course focus is on continued development and enhancement of physical performance and maintenance in intercollegiate sports. The course will focus on learning and execution of fitness/conditioning parameters as well as pre- and post-test. Students will analyze advanced offensive and defensive strategies.

## ATHL 050 Peak Performance

1.0 Unit

*General Education: Option A: Health & PE*

*Hours: Hours: 48-54 lab.*

Exploration of the cognitive, social, and physiological factors influencing peak performance in sport. Students will learn and apply optimal performance techniques for optimizing sport performance through the development of mental skills and strategies for stress control, imagery, goal setting, and concentration.

## DANC 004 Dance Appreciation

3.0 Units

*Transferable to UC/CSU*

*Hours: Hours: 48-54 lab.*

Explores the development of dance in Western Europe and the United States from ancient times to the present. Explores dance as an emerging art form from the Renaissance to the 20th century. Emphasizes the contemporary dance heritage of the United States. Field Trip may be requested. (Formerly KINE 004)

## DANC 004A

1.0 Unit

### Beginning Contemporary Modern Dance

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Health & PE; Option C: Area E*

*Transferable to UC/CSU*

*Hours: Hours: 48-54 lab.*

Introduction to basic contemporary modern dance techniques. This class will focus on proper contemporary modern dance alignment, terminology, center work, movement across the floor, composition and self-expression through movement. Students will study posture and alignment for dance, alignment reference points and basic postural muscles. Students will develop physical strength, flexibility, coordination, and an increase in movement memory. Students will study the basic components of fitness as they relate to dance training and basic health guidelines for nutrition and injury care and prevention. Students will explore a variety of common accompaniments for contemporary modern dance. Basic music notation will be presented in preparation for future dance composition. The history of Modern Dance is included. Interval skills exams and written exams serve to measure student achievement. (Formerly KINE 004A)

## DANC 004B Beginning Tap Dance

1.0 Unit

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Health & PE; Option C: Area E*

*Transferable to UC/CSU*

*Hours: Hours: 48-54 lab.*

Introduction to body placement, body balance, rhythm, coordination, musicality, and a repertoire of the traditional tap (foot) techniques. This course presents lecture information on music, music analysis, understanding basic components of fitness as related to dance, nutrition and basic first aid and injury prevention. History of tap dance as an indigenous American dance form is included. Skills exams and written exams are used to evaluate student achievement. (Formerly KINE 004B)



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## **DANC 004C Intermediate Tap Dance**

**1.0 Unit**

*Prerequisite: A minimum grade of C in DANC 004B.*

*General Education: Option A: Health & PE; Option C: Area E  
Transferable to UC/CSU*

*Hours: 48-54 lab.*

Explore intermediate tap dance step, patterns, combinations, and choreography. Music theory concepts as they apply to the syncopated rhythms of tap dance are included. The history of tap dance as an indigenous American dance form is discussed. Interval performance exams are used to evaluate student achievement. Written exams are used to evaluate the student's knowledge of technique, music theory, rhythmic patterns, and the historical and cultural significance of tap dance in America. Students will learn to appreciate this dance form via attendance at a dance concert or musical theater performance. (Formerly KINE 004C)

## **DANC 004D Advanced Jazz Dance**

**1.0 Unit**

*Prerequisite: DANC 004P with a minimum grade of C.*

*General Education: Option A: Health & PE; Option C: Area E  
Transferable to UC/CSU*

*Hours: 48-54 lab.*

For students who have vocational or avocational interests in dance. Course emphasis is on the skill development and analysis of intermediate-level and advanced-level techniques and patterns. Selected technique syllabi of various dance artists will be presented and studied. Jazz idioms, styles, and the historical and cultural development are included. Participation in the annual dance concert is encouraged. Interval skills exams and written exams serve to evaluate student achievement. Recommended for Kinesiology and Theatre Arts majors.

## **DANC 004E Dance Production**

**3.0 Units**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Health & PE*

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 96-108 lab by arrangement*

Designed for dance students interested in public performance. Experiences in student choreography are included in addition to participation in the annual college dance concert. Interval skills exams and written exams serve to evaluate student achievement. Recommended for Theatre Arts Majors. (Formerly KINE 004E)

## **DANC 004F Beginning Hip-Hop Dance**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Health & PE; Option C: Area E  
Transferable to UC/CSU*

*Hours: 48-54 lab.*

Introduction to the fundamentals of beginning hip-hop dance style. Students will learn general patterns as well as the basics of creating their own style and routines. Information describing the history and cultural development of hip-hop as a dance form will be presented. (Formerly KINE 004F)

## **DANC 004G Dance Choreography**

**2.0 Units**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Health & PE*

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 48-54 lab.*

An overview of the field of choreography and a study of the elements of dance composition as related to a specific form of dance, such as Jazz, Modern, Ballet, Hip-Hop, Ballroom, and Tap, based on individual student need. Students will choreograph dance studies applying a variety of choreographic approaches and techniques. Students will participate in a class, community and/or college performance. Recommended for Kinesiology, Dance/Theatre, or related arts majors. Dance experience recommended. (Formerly KINE 004G)

## **DANC 004H Beginning Jazz Dance**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Health & PE; Option C: Area E*

*Transferable to UC/CSU*

*Hours: 48-54 lab.*

Introduces basic jazz techniques, styles, terminology, and history. This course presents lecture information on posture for the dancer, music analysis, understanding basic components of fitness as related to dance, nutrition and injury prevention, and choreography dance notation. The course focuses on sequential development of basic jazz patterns in preparation for future dance composition. Interval skills exams and written exams serve to evaluate student achievement. (Formerly KINE 004H)



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## **DANC 004J Beginning Ballroom Dance 1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Health & PE; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

Introduction to the basic skills and techniques of ballroom dance. This course will also provide a short history, demonstration, and instruction of popular ballroom dances. Following good practice of exercise in dance execution, the students benefit from the activity and the cultural experiences. Dances selected from the following: Cha-Cha, Rumba, Nightclub Two-Step, East & West Coast Swing, Lindy-Hop, Salsa, Tango, Waltz, Samba, Rumba and Merengue. Attention on proper techniques in both lead and follow dance positions, including proper form, footwork, alignment, and correct posture. Music is varied to broaden the experience with different tempo and styles. No prior experience in dance required; partner not required. (Formerly KINE 004J)

## **DANC 004K Beginning Ballet 1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Health & PE; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

An introduction to beginning classical ballet dance forms, positions, body alignment, patterns, and barre work. The lesson is conducted with the associated French terminology for all movements and steps. The history of ballet is presented and significant choreographers and ballets are discussed. Students will study proper dance posture, the muscular system as it relates to ballet movement and proper nutritional guidelines for the dancer. Basic first aid and injury prevention and treatment for self-care injuries will also be included in lectures. Performance exams and written exams are given to evaluate student achievement. Students will be required to submit a term project on the history of Ballet. (Formerly KINE 004K)

## **DANC 004M Intermediate Ballet 1.0 Unit**

*Prerequisite: DANC 004K with a minimum grade of C.  
General Education: Option A: Health & PE; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

Exposes students to intermediate ballet skills and will expand technical development for artistic growth. Emphasis is on style and the aspects of interpretation of movement needed for development of the classical dancer. Skills exams and written exams are given to evaluate student achievement leading to studio recital or performance. (Formerly KINE 004M)

## **DANC 004N Beginning Swing Dance 1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Health & PE; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

An introductory experience of the popular American social dances known as "Swing" and an exploration of the cultural scene that created them. The course surveys historical dance varieties and East Coast/West Coast regional differences as well as the latest trends and styles. Instruction, history, and open dancing will be included in class. Attention is paid to proper technique in both lead and follow dance positions, footwork alignment and posture. (Formerly KINE 004N)

## **DANC 004P Intermediate Jazz Dance 1.0 Unit**

*Prerequisite: DANC 004H with a minimum grade of C.  
General Education: Option A: Health & PE; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

Intermediate-level jazz techniques, styles, and terminology. Students will gain increased knowledge of dance posture and of the muscular functions of the major muscles that affect basic dance movements. Intermediate musical analysis will include 8 count phrasing. The course focuses on sequential development of intermediate jazz dance patterns in preparation for dance composition. Interval skills exams and written exams serve to evaluate student achievement. (Formerly KINE 004P)

## **DANC 004S Intermediate Swing Dance 1.0 Unit**

*Prerequisite: DANC 004N with a minimum grade of C.  
General Education: Option A: Health & PE; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

Gain a higher level of understanding of terminology, music, and history of swing dance and improve their technique around steps, lifts, patterns, and rhythms. A partner is not required. (Formerly KINE 004S)

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## **DANC 004T Intermediate Ballroom Dance**

**1.0 Unit**

*Prerequisite: DANC 004J with a minimum grade of C.  
General Education: Option A: Health & PE; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

Intermediate techniques and styles of ballroom dance. Students will gain improved rhythm, skills, and an increased knowledge of patterns and variations of popular ballroom dances: American Style Waltz, Tango, Cha-Cha, Nightclub Two-Step, Rumba, East Coast Swing, West Coast Swing, Salsa, and Merengue. Increased attention on proper techniques in both lead and follow dance positions including proper form, footwork, alignment, and correct posture. Music is varied to broaden the experience with different tempo and styles. (Formerly KINE 004T)

## *Health Education*

### **HED 002 Health Education**

**3.0 Units**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Local District Requirements; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lecture.*

A survey course with a multifaceted view of health with physical, mental, and social dimensions. The course extends beyond the structure and function of one's body to include feelings, values, and reasoning. Examinations and a project are required. Satisfies one-half of the Health, Physical Education graduation requirement.

### **HED 003 Women's Health Issues**

**3.0 Units**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Local District Requirements; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lecture.*

A study of health issues that are unique to women with a focus on women's health maintenance and care, and the development of skills and acquisitions of knowledge necessary to make informed choices in health matters of concern to women. Open to all students. Satisfies one-half of the Health, Physical Education graduation requirement.

## *Kinesiology*

### **KINE 002A Beginning Swimming**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

Fundamental techniques of swimming, terminology, water adjustment, fluid mechanics, and water safety. Swimming strokes include freestyle and backstroke. Skills and written exams are used to evaluate student achievement.

### **KINE 002B Intermediate Swimming**

**1.0 Unit**

*Course Advisory: A minimum grade of C in KINE 002A; SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

Intermediate techniques of swimming, terminology, and fluid mechanics. Swimming strokes include freestyle, backstroke, breaststroke, and butterfly. Racing starts, flip turns, and touch turns are taught on a beginning level. Interval training concepts are introduced. Skills and written exams are used to evaluate student achievement.

### **KINE 002D Swim for Fitness**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

Provides life-long fitness through cardiovascular endurance training and skill development in basic aquatics skills. The major components which make up a swimming workout and the concepts of interval training and sprint and distance training are included. Skills exams and written exams serve to evaluate student achievement.

### **KINE 003A Beginning Self Defense**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

Equips the student with basic skills and knowledge for protection against physical assault. Includes basic fighting techniques, falls and recoveries, and disengagements with counter-attacks. Also included are developing a self-defense consciousness and knowledge about self-defense and the law.

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## **KINE 003D Beginning Judo**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

A basic judo course including techniques such as falls, holds, chokes, grips, grip breaks, balance breaks, and application of reverse locks. Strategies for the judo contest are included such as defenses, counters, break-up throws, take-downs, and general mat work. A historical overview of the martial arts is offered with an emphasis on the evolution of modern-day judo. Written and skills exams are used to measure student achievement. Required field trip.

## **KINE 003E Intermediate Judo**

**1.0 Unit**

*Course Advisory: A minimum grade of C in KINE 003D; SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

Advanced throwing and grappling techniques. Combinations, transitions, and strategies will also be covered. Competition at the local level tournaments will be an option for interested students.

## **KINE 005C Fitness for Life**

**2.0 Units**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 16-18 lecture, 48-54 lab.*

An individualized approach to fitness with a focus on the individual's personal responsibility for his/her fitness and health throughout life. The study of the physiological changes one undergoes as a result of physical conditioning forms the basis for the development of a lifetime fitness plan. Fitness exams and written exams serve to evaluate student achievement.

## **KINE 005D Circuit Training**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

A fast-paced circuit where students participate in a balanced strength training program that includes upper body, lower body, and core exercises using free weights, machine weights, resistance bands, and their own body weight.

## **KINE 005E Cardio Conditioning**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

Designed for students who desire a cardiovascular workout. Students will use cardio equipment including treadmills, stationary bikes, elliptical machines, and stair masters. Students may also perform cardio activity outside. Students will learn the important factor of pace, steadily improve their endurance, and learn how to design their own cardiovascular workout to achieve their own personal fitness goals.

## **KINE 005J Beginning Body Conditioning**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

An activity course that will include all aspects of a complete fitness program: muscle strength and endurance training, cardio-respiratory endurance training, flexibility training, and body composition analysis. Students will learn to design their own exercise programs to achieve their personal fitness goals.

## **KINE 005K Intermediate Body Conditioning**

**1.0 Unit**

*Course Advisory: A minimum grade of C in KINE 005J; SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

An activity course that will include all aspects of a complete fitness program: muscle strength and endurance training, cardio-respiratory endurance training, flexibility training, and body composition analysis. Students will build on their knowledge and fitness levels achieved in the beginning class.

## **KINE 005M Beginning Weight Training**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

A comprehensive weight training course for men and women with a focus on strength development and muscle hypertrophy. Resistive exercises via free weights and fixed weights are used for the development of every major muscle group. Students will learn to design their own strength training programs to achieve their personal fitness goals.

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## **KINE 005N Intermediate Weight Training 1.0 Unit**

*Course Advisory: A minimum grade of C in KINE 005M; SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

A comprehensive weight training course for men and women that will build on strength development and muscle hypertrophy developed in the beginning course. Resistive exercises via free weights and fixed weights are used for the development of every major muscle group. Special emphasis will be directed at helping individuals define and concentrate on personalized fitness goals.

## **KINE 005P Step Aerobics 1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education*

*Transferable to UC/CSU*

*Hours: 48-54 lab.*

An aerobic exercise program utilizing four inch, six inch, and eight inch step platforms. Class format includes warm-up, pre-aerobics, peak aerobics, aerobic cool down as determined by musical beats per minute (BPM). Body toning, strength building and flexibility components of the workout will be included to provide the student with a well-rounded fitness program.

## **KINE 005Q Elite Fitness Training 1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

A lifelong functional fitness training course designed for students who want to challenge their current level of fitness and performance. This course will increase a student's performance and knowledge through research and current training methods.

## **KINE 005R Core Conditioning Training 1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

A focus on functional and core conditioning for students in physically demanding sports, fitness activities and professions. This course will help improve performance by utilizing the components of endurance, power, agility, strength, speed, stamina, flexibility, coordination, and balance.

## **KINE 005S Advanced Elite Fitness 1.0 Unit**

*Course Advisory: A minimum grade of C in KINE 005Q; SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 48-54 lab.*

An advanced lifelong functional fitness training and educational course designed specifically for students who want to reach their highest level of fitness and peak performance. This course will increase a students' performance and knowledge by incorporating current research and advanced training methods to increase strength, stamina, and reduce injury risks.

## **KINE 006A Cardio Kickboxing 1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

An aerobic exercise program utilizing non-contact kickboxing techniques. Class format includes warm-up, pre-aerobics, peak aerobics and aerobic cool down as determined by musical beats per minutes (BPM). Hand weights, step boxes, and other equipment may be used for additional lower and upper body strength and conditioning. A flexibility cool-down will conclude the exercise session.

## **KINE 006C Pilates for Fitness 1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

Utilizes Pilates techniques that can increase strength, flexibility and endurance. Pilates exercises can improve posture, alignment coordination, and balance. This course is targeted to improve core strength and overall fitness.

## **KINE 006D Intermediate Cardio Kickboxing 1.0 Unit**

*Course Advisory: A minimum grade of C in KINE 006A.*

*Transferable to UC/CSU*

*Hours: 48-54 lab.*

An aerobic exercise program utilizing non-contact kickboxing techniques. Emphasis will be placed on learning a variety of punches and kicks. Hand weights, step boxes, and other equipment may be used for additional lower and upper body strength and conditioning.



# Kinesiology

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## **KINE 006E Fundamentals of Yoga**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

Development of basic yoga postures, breathing practices, stretching and relaxation techniques as methods to improve flexibility, decrease stress and improve physical and mental well-being.

## **KINE 006F Intermediate Yoga**

**1.0 Unit**

*Course Advisory: A minimum grade of C in KINE 006E; SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

Expand upon the techniques and philosophies of beginning yoga. Students will be exposed to intermediate postures, various specific yoga systems and additional philosophies of yoga from the masters.

## **KINE 007D Beginning Golf**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Health & PE*

*Transferable to UC/CSU*

*Hours: 48-54 lab.*

Beginning instruction and practice in fundamental golf strokes such as putting, chipping, pitching, and driving with irons and woods. Golf rules, strategies, etiquette, and selection and care of equipment are also covered. A field trip to a municipal golf course and golfing range may be required. Golf clubs are available for student use. Students may be responsible for reasonable greens fees.

## **KINE 007E Intermediate Golf**

**1.0 Unit**

*Course Advisory: KINE 007D; SCC minimum English and Math standards.*

*General Education: Option A: Health & PE*

*Transferable to UC/CSU*

*Hours: 48-54 lab.*

Intermediate-level instruction and practice in golf strokes such as putting, chipping, pitching, and driving with irons and woods. Golf rules, strategies, etiquette, and selection and care of equipment are also covered. A field trip to a municipal golf course and golfing range may be required. Golf clubs are available for student use. Students may be responsible for reasonable greens fees.

## **KINE 007F Beginning Archery**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

Fundamental techniques of archery, terminology, accessories, and history of the sport. Practice and class competitions are provided to enhance skill development. Written and skills exams serve to evaluate student achievement.

## **KINE 007G Intermediate Archery**

**1.0 Unit**

*Course Advisory: KINE 007F with a minimum grade of C.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

Improve archery skills and introduce field archery and dynamic (moving) target shooting. Students will learn to perform at international and Olympic distances.

## **KINE 008A Beginning Tennis**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

The fundamental techniques of tennis: forehand, backhand, basic serve, and volley. Terminology, rules, and history are included. Practice, skill drills, and class competition in both singles and doubles are provided to enhance skill development and game strategy. Skills exams and written exams serve to evaluate student achievement.

## **KINE 008B Intermediate Tennis**

**1.0 Unit**

*Course Advisory: A minimum grade of C in KINE 008A; SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

Intermediate techniques of tennis: overhead shot, drop shot, volley, serves, and offensive and defensive lobs. Strategy for competitive play is emphasized. Skills exams and written exams serve to evaluate student achievement.

## **KINE 008D Advanced Tennis**

**1.0 Unit**

*Course Advisory: KINE 008B with a minimum grade of C; 1 year experience high school team tennis and/or club tennis tournament experience; SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to CSU*

*Hours: 48-54 lab.*

Advanced instruction in the techniques, tactics and strategies associated with competitive tennis. Special emphasis placed on drills and competitive play situations.

# Kinesiology

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## **KINE 008E Beginning Badminton 1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

Basic skills of Badminton: forehand, backhand, service, the clears and the smash. Also covered are singles and doubles strategy. History, terminology, rules and scoring, and care and selection of equipment are included. Skills exams and written exams serve to evaluate student achievement.

## **KINE 008F Intermediate Badminton 1.0 Unit**

*Course Advisory: A minimum grade of C in KINE 008E; SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

Intermediate badminton skills: clears-cross court, down the line and reverse cross-court; drops - at the net, from the backcourt and from the mid-court; service - forehand and backhand. Also covered are offensive and defensive techniques of the smash. Training drills, agility, endurance and court coverage for competitive play will be taught. Skill exams and written exams serve to evaluate student achievement.

## **KINE 009A Beginning Basketball 1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

An activity course for the student who desires to play basketball. Basic drills to improve footwork, shooting, passing, ball handling, and rebounding are performed. Basic offensive and defensive concepts are covered to prepare the student for 3 on 3, 4 on 4, and 5 on 5 competition in class. Basketball rules and terminology are included.

## **KINE 009B Indoor/Outdoor Soccer 1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

Fundamental techniques of soccer: terminology, rules, and history. Practice, skills drills, and class competitions are provided to enhance skill development and game strategy. A written final exam and skills exams serve to evaluate student achievement.

## **KINE 009C Intermediate Soccer 1.0 Unit**

*Prerequisite: KINE 009B with a minimum grade of C.  
Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

Intermediate soccer skills acquired through team competition. Emphasis is placed upon offensive and defensive tactics and strategies. Develop knowledge and understanding of the current collegiate soccer rules and fitness.

## **KINE 009E Intermediate Basketball 1.0 Unit**

*Course Advisory: A minimum grade of C in KINE 009A; SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

An activity course covering advanced basketball drills to improve footwork, shooting, passing, ball handling, and rebounding are performed. More advanced offensive and defensive concepts are covered to prepare the student for 3 on 3, 4 on 4, and 5 on 5 competition in class. Basketball rules and terminology are included.

## **KINE 009F Beginning Baseball 1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

Fundamental skills of baseball: throwing, catching, fielding, catching fly balls, hitting, bunting, base running, sliding, and playing defensive positions. Offensive and defensive drills practiced in preparation for controlled competition in class. History, rules, and terminology are included. Skills exams and written exams serve to evaluate student achievement.

## **KINE 009G Softball 1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lab.*

Fundamental techniques of softball, including terminology, rules and history. Practice, skill drills, and class competitions are provided to enhance skill development and game strategy. Skills exams and a written final exam serve to evaluate student achievement. Students must provide their own glove.



# Kinesiology

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## **KINE 009H Beginning Volleyball**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

A comprehensive course that covers the basic volleyball skills: serve, pass, set attack, and block. Skill development is emphasized. This course presents information on team play, rules, history, and basic game strategy. Physical conditioning is an integral part of the course. Skills exams and written exams serve to evaluate student achievement.

## **KINE 009P Intermediate Volleyball**

**1.0 Unit**

*Course Advisory: KINE 009H with a minimum grade of C; SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lab.*

Fundamental volleyball skills at an intermediate level: serve, pass, set, attack, and block. The course focuses on offensive and defensive tactics and strategies in preparation for high-level competitive play. A comprehensive physical conditioning program is included to prepare the player for the rigors of volleyball activity.

## **KINE 020A Introduction to Kinesiology**

**3.0 Units**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Introduction to the interdisciplinary approach to the study of human movement. An overview of the importance of the sub-disciplines in kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health, and fitness professions.  
(C-ID KIN 100)

## **KINE 020D Baseball Theory and Practice I**

**2.0 Units**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 16-18 lecture, 32-36 activity.*

A comprehensive baseball course designed for the athlete and coach. Includes the theories and applications of offensive and defensive strategies, the game plan as it relates to the statistical performance of a particular team, and the use of scouting in assessing the skills and weaknesses of the opposing coach and team. Skills exams and written exams serve to evaluate athlete achievement.

## **KINE 020E Baseball Theory and Practice II**

**2.0 Units**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 16-18 lecture, 32-36 activity.*

A continuation of Kinesiology 020D. A comprehensive baseball course designed for the athlete and coach. Includes advanced theories and applications of offensive and defensive strategies, the evaluation of the game plan as it relates to the statistical information and skill performance of a team, and the use of assembling advance scouting reports to assess the skills and weaknesses of the opposing coach and team. Skills exams and written exams serve to evaluate the student.

## **KINE 020J Softball Theory and Practice II**

**2.0 Units**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 16-18 lecture, 32-36 activity.*

A continuation of Kinesiology 020P. An advanced softball course designed for the athlete and coach. Includes advanced theories and applications of offensive and defensive strategies, evaluation of the game plan as it relates to statistical information and skill performance of a team. It also covers assembling advanced scouting reports to assess the opposition. Skill exams and written exams serve to evaluate the student.

## **KINE 020M Volleyball Theory And Practice I**

**2.0 Units**

*Course Advisory: SCC minimum English standard.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 16-18 lecture, 32-36 activity.*

Theories of the offensive and defensive strategies of competitive volleyball. Athletes will study, analyze, and practice offensive and defensive skills and strategies in preparation for seasonal, intercollegiate competition. Skills exams and written exams serve to evaluate athlete achievement.

## **KINE 020N Volleyball Theory and Practice II**

**2.0 Units**

*Course Advisory: SCC minimum English standard.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 16-18 lecture, 32-36 activity.*

A continuation of KINE 020M. Advanced theories of offensive and defensive strategies of competitive volleyball. Students will analyze advanced offensive and defensive strategies and will develop in-depth scouting procedures. Skills exams and written exams serve to evaluate student achievement.

# Kinesiology

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## **KINE 020P Softball Theory And Practice I 2.0 Units**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 16-18 lecture, 32-36 activity.*

Comprehensive course designed for the intercollegiate softball athlete and for the coach of fastpitch softball. The course focuses on the theories, analyses, and applications of offensive and defensive skills and strategies. Written exams and practical exams serve to evaluate athlete achievement.

## **KINE 020Q Soccer Theory And Practice I 1.5 to 2.0 Unit**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 16-18 lecture, 16-18 or 32-36 activity.*

A comprehensive course designed for the intercollegiate soccer athlete and for the coach of soccer. The course focuses on the theories, analyses, and application of offensive and defensive skills and strategies. Written exams and practical exams serve to evaluate the student achievement.

## **KINE 020R Soccer Theory And Practice II 1.5 to 2.0 Units**

*Course Advisory: KINE 020Q or equivalent soccer experience;  
SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 16-18 lecture, 16-18 or 32-36 activity.*

Continuation of Kinesiology 020Q. Advanced theories of offensive and defensive strategies of competitive soccer. Students will analyze advanced offensive and defensive strategies and will develop in-depth scouting procedures. Skill exams and written exams serve to evaluate student achievement.

## **KINE 020S 3.0 Units**

### **Advanced First Aid and Emergency Care**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Physical Education  
Transferable to UC/CSU  
Hours: 48-54 lecture.*

Designed to prepare individuals who may administer emergency care to the injured and ill. Upon successful completion of the course, students will be knowledgeable in Advanced First Aid and Emergency Care, cardiopulmonary resuscitation (CPR), and Automatic External Defibrillator (AED) for infants, children, and adults. Upon successful completion of the appropriate exam, the student will be eligible for certification in First Responder First Aid and CPR. Required of Kinesiology majors/minors and Transfer Model Curriculum. An additional fee may be required to receive an official American Red Cross CPR card. An American Heart Association certification is required for students pursuing EMT certification. (C-ID KIN 101)

## **KINE 020V Introduction to Sports Science 3.0 Units**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lecture.*

The basic elements of sport sciences including: kinesiology, motor learning, biomechanics, exercise physiology, sports medicine, sport psychology and training theory.

## **KINE 020W 3.0 Units**

### **Principles of Fitness & Sports Training**

*Course Advisory: SCC minimum English and Math standards.  
General Education: Option A: Physical Education; Option C: Area E  
Transferable to UC/CSU  
Hours: 48-54 lecture.*

A comprehensive fitness course that includes the study of the human organism and its reactions to fitness and physical activity. Focus is on the physiological adaptations, exercise training/prescriptions, nutrition, ergogenic aids, environmental factors, and the major medical and health conditions. Written exams and measurements of activity serve to evaluate student achievement.

# Kinesiology

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## **KINE 020X Basketball Theory And Analyses I 2.5 Units**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 32-36 lecture, 16-18 activity.*

A comprehensive basketball theory course designed for coach and athlete. Includes the theories and analyses of offensive and defensive strategies, the development of the offensive and defensive game plan as it relates to statistical data, and spontaneous adjustments in offense and defense. Written exams serve to evaluate student achievement.

## **KINE 020Y Basketball Theory And Analyses II 2.5 Units**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 32-36 lecture, 16-18 activity.*

A continuation of KINE 020X. A comprehensive basketball theory course designed for coach and athlete. Includes the advanced theories and analyses of offensive and defensive strategies and the development of the game plan using statistical data and the scouting report. Written exams and skill exams serve to evaluate student achievement.

## **KINE 057 Introduction to Sports Psychology 3.0 Units**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education*

*Transferable to CSU*

*Hours: 48-54 lecture.*

Introduction to psychological theories, concepts, strategies and skills designed to help individuals overcome the barriers to optimal athletic performance, exercise performance and general health performance. Mental skills such as imagery, goal setting, cognitive restructuring, attentional focusing, arousal regulation, and coping will be presented. With this course students establish a goal(s) and work toward it while aiming to cultivate the ideal mental state that fosters optimal performance.

## **KINE 078 Fit Ball Training 1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Physical Education; Option C: Area E Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Utilize fitness ball techniques to 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 flexibility exercises and balancing exercises as well as strengthening exercises for all the major muscle groups with and without hand weights. Skill exams and written exams serve to evaluate student achievement.

## *Sports Medicine*

### **SPMD 054**

**3.0 Units**

#### **Care and Prevention of Athletic Injuries**

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

An introduction to the field of Athletic Training/ Sports Medicine as a profession and as an academic discipline. Designed to train students in the recognition, rehabilitation, and prevention of athletic injuries. Emphasis is on learning and applying a variety of taping techniques and athletic training therapies. Recommended introductory course for the Sports Medicine program.

### **SPMD 055A**

**3.0 Units**

#### **Sports Medicine-Athletic Training Practicum Fall Sports**

*Transferable to CSU*

*Hours: 24-27 lecture, 72-81 lab.*

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, those sports that pose most lower extremity injuries.

### **SPMD 055B**

**3.0 Units**

#### **Sports Medicine-Athletic Training Practicum Spring Sports**

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to CSU*

*Hours: 24-27 lecture, 72-81 lab.*

Supervised volunteer athletic experience which provides students with the opportunity for immediate recognition and treatment of upper extremity sports injuries. Emphasis is on taping techniques and rehabilitation which enables athletes to return to competition. Spring sport experience include softball, baseball, men's and women's swimming and diving. Injuries specific to these sports includes most upper extremity injuries.

### **SPMD 071 Back Care and Injury Management 1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to CSU*

*Hours: 48-54 lecture.*

A course designed for students with interest in back care or managing a back injury. Individualized and group exercises will focus on functional motor control, balance, coordination, flexibility, developmental movement, individually developed exercises and strength and endurance for students with back injuries. There will be an emphasis on encouraging independence in personal health and teaching lifelong fitness knowledge and skills.

# Learning Resources

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## Program Description

Learning resources classes support students in their coursework by exploring information competency, the ability to find, evaluate, use, and communicate information in all its various formats. Information competency includes consideration of the ethical and legal implications of information and requires the application of both critical thinking and communication skills. LR 010 is a co-requisite of ENGL 001: College Composition, and teaches skills that can be applied in all research and inquiry.

## Associate Degree

Not offered in this discipline.

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### LR 010

#### Information Skills for College and Beyond

*Course Advisory: SCC minimum Math standards.*

*General Education: Option A: Area B2, Area D3*

*Transferable to UC/CSU*

*Hours: 16-18 lecture.*

Introduction to information literacy skills necessary for academic, career, and personal life success in the digital age. Psychological, sociological, and physiological implications of information on daily life, education, work, and social relationships will be explored. Critical skills helpful for managing information needs in college, career, and lifelong learning will be emphasized.

1.0 Unit

### LR 011

#### Internet Explored: Advanced Information Competency

*Course Advisory: Eligibility for ENGL 001; Computer literacy (familiarity with basic computer functions).*

*Transferable to UC/CSU*

*Hours: 24-27 lecture.*

An advanced information competency course evaluating information and exploring information technology in society including Internet, World Wide Web, search engines (e.g., Google, Ask, Live), retrieval systems, and electronic publishing.

1.5 Units

# Liberal Studies

## Liberal Studies

### Program Description

The Associate in Arts Degree in Liberal Studies is designed to broaden their knowledge, abilities, and skills to create a foundation in the liberal arts. Students gain a broad background in the social and behavioral sciences, humanities, communication, fine and performing arts, mathematics, and the physical and biological sciences. The students are able to complete lower division major preparation and general education for transfer while simultaneously completing the Liberal Studies Associate Degree. This major provides opportunities for students who are exploring degree options and are not yet certain about their specific degree goals at the four-year level.

### Associate in Arts Degree

The Associate in Arts Degree can be obtained by completing the 23-25-unit major, Option B or C general education requirements, 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.

### Program Outcomes:

Students completing the University Studies Associate Degree will be able to:

1. Apply an understanding of how diverse cultural beliefs and social, political and/or historical context impact forms of human expression.
2. Demonstrate quantitative reasoning skills through problem solving.
3. Students will successfully communicate ideas through various forms of expression.

### REQUIRED COURSES ..... Units

COMM 001 Introduction to Public Speaking..... 3

ENGL 001 College Composition ..... 4

ENGL 002 Critical Thinking and Writing

About Literature ..... 4

or

ENGL 004 Critical Thinking and Composition:

Language in Context..... 4

MATH 011 Elementary Statistics ..... 4

or

MATH 012 Mathematical Ideas ..... 3

One course from List A: Social Sciences ..... 3

One course from List B: Health and Science ..... 3-4

One course from List C: Arts and Humanities ..... 3

**Required Major Total Units ..... 23-25**

### List A: Social Sciences (select one course) ..... Units

ANTH 002 Cultural Anthropology ..... 3

GEOG 002 Cultural Geography ..... 3

PLSC 001 Introduction to American Government

and Politics..... 3

PSYC 001 Introduction to Psychology ..... 3

PSYC 012 Gender ..... 3

SOC 001 Introduction to Sociology ..... 3

SOC 002 Social Issues and Problems..... 3

SOC 040 Sociology of the Family ..... 3

SOC 075 Introduction to Sociology of Sport ..... 3

### List B: Health and Science (select one course) ..... Units

ASTR 010 General Astronomy ..... 3

BIO 015 Introduction to Biology ..... 4

BIO 016 Introduction to Human Biology..... 3

KINE 020A Introduction to Kinesiology..... 3

GEOG 001 Physical Geography ..... 3

GEOL 001 Physical Geology ..... 3

GEOL 005 Geology of California ..... 3

### List C: Arts and Humanities (select one course) ..... Units

ART 001 Art History ..... 3

ART 002 Art History ..... 3

ART 010 Art Appreciation ..... 3

ART 012 Inside/Outside: The Cultures and Identities of

Diverse Visual Artists in the U.S..... 3

CINA 011 American Cultures in Film ..... 3

HIST 017 History of the United States to 1877..... 3

HIST 018 History of the United States from 1865..... 3

HIST 028 African American History to 1877..... 3

HIST 029 African American History Since 1865 ..... 3

MUSC 008 Music Appreciation..... 3

MUSC 013 Multicultural Music in America..... 3

PHIL 003 Introduction to Philosophy ..... 3

PHIL 004 Introduction to Moral Philosophy..... 3

### CSU General Education or IGETC Pattern units.... 37-39

**Transferable Electives (as needed to reach 60 units)14-18**

**Total Degree Units CSU GE or IGETC ..... 60**

*\*18 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.*



# Management

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## Management

### Program Description

This program is designed to emphasize training to improve thought processes and to provide familiarity with the analytical tools of management, sound decision-making, and how to get things done through and with people. Also, this option is designed for initial employment upon graduation and for job advancement opportunities.

### Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement can be obtained by completing the 21-unit major. The Associate in Science Degree can be obtained by completing the 21-unit major, general education requirements, 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.

### Program Outcomes

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

1. Demonstrate oral and written skills unique in the business community.
2. Apply leadership, ethical standards, and team building skills necessary for managerial positions in the 21st century.
3. Conduct a personal SWOT analysis for a future small business venture.
4. Design a comprehensive business plan for a future small business venture.
5. Demonstrate the ability to use technology in analyzing and solving business problems.
6. Use basic computation skills to analyze and solve business problems requiring the use of mathematics.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
(listed in recommended sequence)	
BUS 005 Introduction to Business .....	3
MGMT 050 Principles of Management .....	3
MGMT 055 Management/Leadership Skills .....	3
MGMT 191 Human Relations .....	3
or	
MGMT 193 Human Resource Management .....	3
BUS 092 Business Communication .....	3
CIS 050 Microcomputer Applications .....	3
BUS 181 Business Mathematics .....	3
<b>Required Major Total Units</b> .....	<b>21</b>

<b>CSU General Education or IGETC Pattern units</b> .....	<b>37-39</b>
<b>Transferable Electives (as needed to reach 60 units)</b> ..	<b>0-2</b>
<b>Total Degree Units CSU GE or IGETC</b> .....	<b>60</b>
<b>Solano General Education</b> .....	<b>21</b>
<b>Electives (as needed to reach 60 units)</b> .....	<b>18</b>
<b>Total Degree Units Solano GE</b> .....	<b>60</b>

*\* 0 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.*

This is a Gainful Employment Program. For additional information, please visit [http://www.solano.edu/gainful\\_employment/](http://www.solano.edu/gainful_employment/) and select "Management."



# Management

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## Retail Management

### Program Description

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

### Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement in Retail Management can be obtained by completing the 25-unit major. The Associate in Science Degree can be obtained by completing the 25-unit major, general education requirements, 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.

### Program Outcomes

Students who complete the Retail Management Certificate of Achievement/ Associate Degree will be able to:

1. Demonstrate oral and written skills unique in the business community.
2. Apply leadership, ethical standards, and team building skills necessary for managerial positions in the 21st century.
3. Conduct a personal SWOT analysis for a future small business venture.
4. Design a comprehensive business plan for a future small business venture.
5. Demonstrate the ability to use technology in analyzing and solving business problems.
6. Use basic computation skills to analyze and solve business problems requiring the use of mathematics.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
(listed in recommended sequence)	
BUS 092 Business Communication .....	3
CIS 050 Microcomputer Applications .....	3
ACCT 001 Principles of Accounting - Financial .....	4
MKT 171 Introduction to Marketing .....	3
MKT 174 Retail Merchandising.....	3
MGMT 191 Human Relations .....	3
MGMT 193 Human Resource Management .....	3
MGMT 050 Principles of Management .....	3
or	
MGMT 055 Management/Leadership Skills .....	3
<b>Required Major Total Units</b> .....	<b>25</b>

<b>Solano General Education</b> .....	<b>21</b>
<b>Electives (as needed to reach 60 units)</b> .....	<b>14</b>
<b>Total Degree Units Solano GE</b> .....	<b>60</b>

**NOTE: This program is approved by the Western Association of food chains for awarding of the industry WAFC Certificate.**

This is a Gainful Employment Program. For additional information, please visit [http://www.solano.edu/gainful\\_employment/](http://www.solano.edu/gainful_employment/) and select "Retail Management."

# Management

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## Small Business Management

### Program Description

This program is designed for those planning to start their own business, buy an existing business, buy a franchise, or who already own their own business. This option emphasizes learning the concepts and practical skills necessary to be a successful, professional entrepreneur. Specifically designed for working adults, the courses emphasize a systematic approach to business which focuses on the integration of theoretical and practical skills.

### Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement can be obtained by completing the 28-unit major. The Associate in Science Degree can be obtained by completing the 28-unit major, general education requirements, 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.

### Program Outcomes

Students who complete the Small Business Management Certificate of Achievement/ Associate Degree will be able to:

1. Demonstrate oral and written skills unique in the business community.
2. Apply leadership, ethical standards, and team building skills necessary for managerial positions in the 21st century.
3. Conduct a personal SWOT analysis for a future small business venture.
4. Design a comprehensive business plan for a future small business venture.
5. Demonstrate the ability to use technology in analyzing and solving business problems.
6. Use basic computation skills to analyze and solve business problems requiring the use of mathematics.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
(listed in recommended sequence)	
MGMT 055 Management/Leadership Skills .....	3
MKT 174 Retail Merchandising .....	3
ACCT 050 Computer Accounting .....	3
BUS 005 Introduction to Business .....	3
BUS 018 Legal Environment of Business .....	3
BUS 181 Business Mathematics .....	3
BUS 182 Small Business Mathematics .....	1
BUS 092 Business Communication .....	3
6 units from List A .....	6
<b>Required Major Total Units</b> .....	<b>28</b>

<b>List A: (select two courses)</b> .....	<b>Units</b>
ACCT 001 Principles of Accounting - Financial .....	4
ACCT 002 Principles of Accounting - Managerial .....	4
BUS 060 Introduction to International Business .....	3
ECON 001 Principles of Economics (Macroeconomics)..	3
ECON 002 Principles of Economics (Microeconomics)...	3
MGMT 055 Management/Leadership Skills .....	3
MGMT 191 Human Relations .....	3
MKT 173 Principles of Selling .....	3
MKT 174 Retail Merchandising.....	3
OCED 090 Occupational Work Experience .....	1-8
OCED 091 General Work Experience.....	1-6
OT 054A Beginning Keyboarding A .....	1.5
OT 054B Beginning Keyboarding B .....	1.5
OT 055A Intermediate Keyboarding/ Word Processing A .....	1.5
OT 055B Intermediate Keyboarding/ Word Processing B .....	1.5
<b>Solano General Education</b> .....	<b>21</b>
<b>Electives (as needed to reach 60 units)</b> .....	<b>11</b>
<b>Total Degree Units Solano GE</b> .....	<b>60</b>

This is a Gainful Employment Program. For additional information, please visit  
[http://www.solano.edu/gainful\\_employment/](http://www.solano.edu/gainful_employment/) and select "Small Business Management."

# Management

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## **MGMT 050 Principles of Management 3.0 Units**

*Course Advisory: Eligibility for ENGL 001; SCC minimum Math standard.  
Transferable to CSU  
Hours: 48-54 lecture.*

An introduction and comprehensive survey of the theory and practices relevant to the management principles of: planning, organizing, staffing, directing and controlling. The course explores the nature and role of management/supervision in a contemporary environment focusing on the strategic planning, decision-making and problem-solving processes that affect organizational effectiveness and efficiency. Includes quantitative and qualitative methodology used in systems and contingency approach to management.

## **MGMT 055 Management/Leadership Skills 3.0 Units**

*Course Advisory: Eligibility for ENGL 001.  
Transferable to CSU  
Hours: 48-54 lecture.*

A comprehensive development, analysis, and application of fundamental skills needed for the successful practice of supervision/leadership. This course addresses the quality principles of leadership applied to work processes, decision making and problem solving, communication, stress and time management, and delegating/facilitating in a team environment. The focus of the course is on job-relevant skills. Class exercises are employed to teach the various skills.

## **MGMT 191 Human Relations 3.0 Units**

*Course Advisory: SCC minimum English and Math standards.  
Hours: 48-54 lecture.*

A comprehensive study and analysis of the concepts and skills associated with human behavior and relationships. The course stresses effective supervision and leadership practices as applied to human interaction.

## **MGMT 193 Human Resource Management 3.0 Units**

*Course Advisory: SCC minimum English and Math standards.  
Hours: 48-54 lecture.*

Human resource administration of public and private organizations including personnel and administrative practices. The student will examine the evolution of unions including the various labor relations acts, collective bargaining processes, grievance procedures, and arbitration. Supervisor's and the steward's roles are emphasized for effectively maintaining negotiated contracts. The course focuses on actual personnel problems, principles and methods involved in recruitment, selecting and placement of employees with regard to affirmative action programs, training, experience and aptitude.

# Marketing

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## Marketing

### Program Description

Marketing involves a variety of activities including selection of target customer, product development, promotion, pricing and distribution. It applies equally to services, ideas, non-profit organizations, and the individual.

### Certificate of Achievement and Associate in Science Degree

A Certificate of Achievement can be obtained by completing the 30-unit major. The Associate in Science Degree can be obtained by completing the 30-unit major, general education requirements, 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.

### Program Outcomes

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

1. Apply marketing research principles to a company's product or service.
2. Apply advertising principles to promote a firm's image and product/service offering.
3. Develop a marketing plan for a business using the fundamental elements of the marketing mix.

### REQUIRED COURSES ..... Units

BUS 005 Introduction to Business ..... 3

BUS 018 Legal Environment of Business ..... 3

BUS 181 Business Mathematics ..... 3

CIS 001 Introduction to Computer Science ..... 3

or

CIS 050 Microcomputer Applications ..... 3

ECON 002 Principles of Economics (Microeconomics) .. 3

MGMT 050 Principles of Management ..... 3

or

MGMT 191 Human Relations ..... 3

MKT 171 Introduction to Marketing ..... 3

MKT 172 Market Management and Planning ..... 3

MKT 173 Principles of Selling ..... 3

MKT 174 Retail Merchandising ..... 3

**Required Major Total Units ..... 30**

**CSU General Education or IGETC Pattern units.... 37-39**

**Transferable Electives (as needed to reach 60 units)..... 0**

**Total Degree Units CSU GE or IGETC ..... 64-66**

**Solano General Education..... 21**

**Electives (as needed to reach 60 units)..... 9**

**Total Degree Units Solano GE..... 60**

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

This is a Gainful Employment Program. For additional information, please visit [http://www.solano.edu/gainful\\_employment/](http://www.solano.edu/gainful_employment/) and select "Marketing."

# Marketing

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## **MKT 171 Introduction to Marketing**

**3.0 Units**

*Course Advisory: SCC minimum English and Math standards.  
Hours: 48-54 lecture.*

A comprehensive study and analysis of initiating the marketing process (for both profit and non-profit organizations) with special emphasis on understanding the consumer and detailed studies of demographics and target marketing. Includes the role of marketing research, the process of defining a marketing problem and then systematically collecting and analyzing information to recommend actions to improve an organization's marketing activities.

## **MKT 172**

**3.0 Units**

### **Marketing Management and Planning**

*Course Advisory: SCC minimum English and Math standards.  
Hours: 48-54 lecture.*

Marketing methodology related to all channels of distribution including pricing strategies, new product/services, and the development and evaluation of breakthrough opportunities. Practical applications in dealing with government regulations and the career field of sales, promotion/advertising.

## **MKT 173 Principles of Selling**

**3.0 Units**

*Course Advisory: SCC minimum English and Math standards.  
Hours: 48-54 lecture.*

The application of traditional selling skills including the approach, demonstrating the product, answering the customer's objections, and closing the sale to the customer's satisfaction.

## **MKT 174 Retail Merchandising**

**3.0 Units**

*Course Advisory: SCC minimum English and Math standards.  
Hours: 48-54 lecture.*

A comprehensive study of the principles and practices of merchandising management of product/services, with emphasis on store location analysis, layout, customer services, buying, sales promotion, consumer credit, and understanding consumer needs and wants. Course includes practical applications related to start-up of a new business and legal constraints of organizing, selling, advertising, consumer relations and personnel practices.

# Mathematics for Transfer (AS-T)

## CAREER PATHS:

Mathematician

Mathematics or Mathematical Science Teacher

Mathematical Technician

Statistician

Additional Career Paths and related data, including state-by-state wage info and growth in the field, can be found at [www.onetonline.org](http://www.onetonline.org).

This program map represents one possible pathway. See a counselor to create a customized education plan. Map is for the 2019-2020 catalog year.



**SOLANO**  
COMMUNITY COLLEGE

## Mathematics for Transfer

Associate in Sciences for Transfer  
GE Pattern: IGETC  
Program Total Units: 62

For more information  
please contact:  
(707) 864-7211

## 1 FIRST SEMESTER

Total Recommended Units: 16

- MATH 020** **5 units**  
Analytic Geometry and Calculus I (IGETC 2)
- ENGL 001** **4 units**  
English Composition (IGETC 1A)
- LR 010** **1 units**  
Introduction to Library Research and Information Competency
- IGETC 4** **3 units**
- IGETC 3A** **3 units**

## 2 SECOND SEMESTER

Total Recommended Units: 17

- MATH 021** **5 units**  
Analytic Geometry and Calculus II
- IGETC 5A or 5B** **5 units**  
With Lab
- IGETC 1B** **4 units**  
Suggested: ENGL 002 or 004
- IGETC 3B/Am Inst Grp 2** **3 units**  
Suggested: HIST 017 or 018 or 028 or 029 or 037

## 3 THIRD SEMESTER

Total Recommended Units: 15

- MATH 022** **4 units**  
Analytic Geometry and Calculus III
- MATH 040** **5 units**  
Intro to Linear Algebra
- IGETC 1C** **3 units**  
Suggested: COMM 001, COMM 002, or COMM 006
- IGETC 4** **3 units**  
Suggested: COMM 012 or COUN 015 or PSYC 007

## 4 FOURTH SEMESTER

Total Recommended Units: 14

- MATH 023** **5 units**  
Intro to Ordinary Differential Equations
- IGETC 5A or 5B** **3 units**  
Without Lab. Whichever not previously taken.
- IGETC 3A or 3B** **3 units**
- IGETC 4/Am Inst Grp 1** **3 units**  
Suggested: PLSC 001 or 005

Required Courses/Courses in Discipline  GE Courses/Categories

## GET STARTED NOW!

- ▶ **Get started on your Pathway now with these recommended courses!**  
*Then* – See a counselor to create a **CUSTOMIZED** education plan personalized to your career and transfer goals!
- ▶ Required courses may change depending on a student's career and transfer goals, including requirements for cross-cultural and foreign language courses, and/or specific requirements for an individual CSU or UC.
- ▶ Unique transfer requirements for a specific institution can be found at [www.assist.org](http://www.assist.org).

## LET US HELP YOU!

**How to Apply:** [solano.edu/ar/apply.php](http://solano.edu/ar/apply.php)

- **Questions? Talk to a Counselor Now!**  
Main Campus, Fairfield: (707) 864-7101  
Vacaville Center: (707) 863-7836  
Vallejo Center: (707) 642-8188  
Travis AFB: (707) 863-7878  
Visit online at [solano.edu/counseling](http://solano.edu/counseling)
- **Contact Our Career Center to Learn Your Career Options!**  
Call 707-864-7124, or email at [CareerCenter@solano.edu](mailto:CareerCenter@solano.edu)  
Visit online at [solano.edu/career](http://solano.edu/career)
- **You Can Afford College! Learn more about Financial Aid!**  
Call 707-864-7103, or email at [FinancialAid@solano.edu](mailto:FinancialAid@solano.edu)  
Visit online at [solano.edu/financial\\_aid](http://solano.edu/financial_aid)
- **College is Accessible!** Contact our Disability Services Program (DSP) at 707-864-7136.



# Mathematics

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## Associate in Science in Mathematics for Transfer (ADT: A.S.-T)

### Program Description

Successful completion of this major will assure competence in mathematics through differential and integral calculus, providing an adequate background for employment in many technological and scientific areas as well as providing a firm foundation for students planning to pursue a baccalaureate degree in mathematics.

### Associate in Science in Mathematics for Transfer

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

### To earn the Associate in Science in Mathematics 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 Science in Mathematics for Transfer degree will be able to:

1. Solve problems expressed symbolically.
2. Analyze problems using a graphical or numerical perspective.
3. Interpret and analyze information to develop strategies to solve applications.

### REQUIRED COURSES ..... Units

MATH 020 Analytic Geometry and Calculus I ..... 5

MATH 021 Analytic Geometry and Calculus II ..... 5

MATH 022 Analytic Geometry and Calculus III ..... 4

MATH 040 Introduction to Linear Algebra ..... 3

MATH 023 Differential Equations ..... 4

or

MATH 011 Elementary Statistics ..... 4

Required Major Total Units ..... 21

CSU General Education or IGETC Pattern Units ... 37-39

CSU Transferable Electives (as needed to reach 60

transferable units)\* ..... 3-5

Total Degree Units ..... 60

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

# Mathematics

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## MATH 002

### 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:* 48-54 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.

## MATH 004 Precalculus and Trigonometry 5.0 Units

*Prerequisite:* A minimum grade of C in MATH 103 and MATH 104 or recommendation of a counselor or math instructor based on a Multiple Measures Evaluation.

*General Education:* Option A: Area D2; Option B: Area 2; Option C: Area B4

*Transferable to UC/CSU*

*Hours:* 80-90 lecture.

A comprehensive study of mathematics that is prerequisite to the calculus sequence. Topics included are the study of polynomial, absolute value, radical, rational, exponential, and logarithmic functions, analytic geometry, and polar coordinates. The study of trigonometric functions, their inverses and their graphs, identities and proofs related to trigonometric expressions, trigonometric equations, solving right triangles, solving triangles using the Law of Cosines and the Law of Sines, and introduction to vectors.

Note: Not open for enrollment to students who have completed Math 051 or Math 002 with a minimum grade of C. Assignments may be given to students that require completion in the Math Activity Center.

## 3.0 Units

## MATH 011 Elementary Statistics

## 4.0 Units

*Prerequisite:* A minimum grade of C in either MATH 104 or MATH 112 or Multiple Measures Evaluation.

*Course Advisory:* Eligibility for ENGL 001.

*General Education:* Option A: Area D2; Option B: Area 2; Option C: Area B4

*Transferable to UC/CSU*

*Hours:* 64-72 lecture.

An introduction to elementary probability and statistics including the basic rules of probability, probability distributions, descriptive statistics, hypothesis testing, estimation, correlation and regression analysis using data from a variety of disciplines and appropriate technology. Assignments may be given that require completion in the Math Activities Center. (C-ID MATH 110)

## MATH 012 Mathematical Ideas

## 3.0 Units

*Prerequisite:* A minimum grade of C in either MATH 104 or MATH 112 or Multiple Measures Evaluation.

*Course Advisory:* SCC minimum English standard.

*General Education:* Option A: Area D2; Option B: Area 2; Option C: Area B4

*Transferable to UC/CSU*

*Hours:* 48-54 lecture.

An introduction to the diversity of mathematics through the examination of ideas from logic, sets, the numeration systems, and other topics from contemporary mathematics. The emphasis is on problem solving.

## MATH 020 Analytic Geometry and Calculus I 5.0 Units

*Prerequisite:* A minimum grade of C in MATH 002 and MATH 051; or MATH 004.

*General Education:* Option A: Area D2; Option B: Area 2; Option C: Area B4

*Transferable to UC/CSU*

*Hours:* 80-90 lecture.

First of the three-semester sequence in Analytic Geometry and Calculus for students majoring in mathematics, engineering, and most physical sciences, is the study of the differential and integral calculus of functions of one variable. Topics covered are limits, continuity, differentiation of algebraic and transcendental functions, applications of the derivative, definite and indefinite integrals, fundamental theorem of calculus, and applications of the definite integral.

# Mathematics

## **MATH 021 Analytic Geometry and Calculus II 5.0 Units**

*Prerequisite: MATH 020 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: 80-90 lecture.*

Second of the three-semester sequence in Analytic Geometry and Calculus for students majoring in mathematics, engineering, and most physical sciences, continues the study of the differential and integral calculus of functions of one variable. Topics included are introduction to differential equations, computing area and volume, applications and techniques of integration, polar coordinates, infinite series, improper integrals, and L'Hopital's Rule.

## **MATH 022 Analytic Geometry and Calculus III 4.0 Units**

### **Analytic Geometry and Calculus III**

*Prerequisite: MATH 021 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.*

The third of the three-semester sequence in Analytic Geometry and Calculus for students majoring in mathematics, engineering, and most physical sciences, is a study of three-dimensional analytic geometry, vectors and vector-valued functions, functions of several variables, the calculus of these functions, and vector analysis including Green's and Stokes' theorems. (C-ID MATH 230)

## **MATH 023 Differential Equations 4.0 Units**

*Prerequisite: MATH 021 with a minimum grade of C.*

*Transferable to UC/CSU*

*General Education: Option A: Area D2; Option B: Area 2; Option C: Area B4*

*Hours: 64-72 lecture.*

Ordinary differential equations emphasizing linear differential equations and systems with applications to engineering, physics, and chemistry. Included are Laplace transforms and power series methods of solution. (C-ID MATH 240)

## **MATH 026 Mathematics and Engineering Problem Solving Using Matlab 4.0 Units**

### **Mathematics and Engineering Problem Solving Using Matlab**

*Prerequisite: MATH 021 with a minimum grade of C (may enroll concurrently).*

*Transferable to UC/CSU*

*Hours: 48-54 lecture, 48-54 lab by arrangement.*

Covers methodologies for solving mathematics and engineering problems. Students will also learn to perform mathematics and engineering computation and visualization using the MATLAB language. Students will write a variety of programs in the MATLAB language. Same course as ENGR 026.

## **MATH 030 Analytic Geometry and Calculus 3.0 Units**

*Prerequisite: Math 104 with a minimum grade of C or Multiple Measures Evaluation*

*Course Advisory: SCC minimum English standard.*

*General Education: Option A: Area D3B; Option B: Area 2; Option C: Area B4*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

MATH 030 and 031 is a two-semester sequence in analytic geometry and calculus for students majoring in business, biological, and social sciences. This is not the calculus course for students majoring in mathematics, engineering or the physical sciences. MATH 030 covers differential and integral calculus of a single variable. Topics include limits, continuity, derivatives of algebraic and transcendental functions and their applications, integrals and their applications, and plane analytic geometry. NOTE: Not open to students who have completed MATH 020 with a minimum grade of C.

## **MATH 031 Analytic Geometry and Calculus 3.0 Units**

*Prerequisite: MATH 030 with a minimum grade of C or recommendation of a counselor or math instructor based on a Multiple Measures Evaluation.*

*Course Advisory: SCC minimum English standard.*

*General Education: Option A: Area D2; Option B: Area 2; Option C: Area B4*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

A continuation of the calculus of functions of one variable (MATH 030). Topics included are the fundamental theorem of calculus, techniques of integration, numerical methods of integration, functions of several variables, elementary differential equations, and infinite series.

# Mathematics

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## **MATH 040 Introduction to Linear Algebra 3.0 Units**

*Prerequisite: MATH 021 with a minimum grade of C.  
Course Advisory: A relatively high degree of mathematical maturity is required for this course.*

*General Education: Option A: Area D2; Option B: Area 2; Option C: Area B4*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Introduction to linear algebra, with a focus on finite dimensional real vector spaces. Topics include systems of linear equations and matrices, linear transformations, general vector spaces, eigenvectors and eigenvalues and associated eigenspaces, inner products and orthogonality. (C-ID MATH 250)

## **MATH 049 Mathematics Honors 1.0 to 3.0 Units**

*Prerequisite: MATH 021 with a minimum grade of B.*

*Transferable to CSU*

*Hours: 48-162 lab by arrangement.*

Requires students to complete an independent student project under the supervision of a member of the faculty. The project may involve extensive problem solving, research, or data analysis. In all cases, the final written product should show integration and synthesis of ideas. Students may take this course up to the maximum number of units over multiple semesters. This course requires approval of a faculty member sponsor and the Dean of the School of Math & Sciences.

## **MATH 051 Trigonometry 3.0 Units**

*Prerequisite: Minimum grade of C in both MATH 103 and MATH 104 or Multiple Measures Evaluation.*

*Course Advisory: SCC minimum English standard.*

*General Education: Option A: Area D2; Option C: Area B4*

*Transferable to CSU*

*Hours: 48-54 lecture.*

Presents the essentials of plane trigonometry to prepare students for subsequent studies in physics, calculus, or related technical programs. Topics include definitions of the trigonometric functions and inverse trigonometric functions, solutions of triangles and applied problems, graphs, trigonometric identities and equations, and the trigonometric form of complex numbers.

## **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.*

*Course Advisory: SCC minimum English Standard.*

*Transferable to 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.

## **MATH 103 Plane Geometry 3.0 Units**

*Course Advisory: A minimum grade of C in either MATH 330 or MATH 330B; SCC minimum English standard.*

*Hours: 48-54 lecture.*

The study of Euclidean (plane) geometry through conjecture, proof, and problem solving. Topics include the mathematical relationships of angles, parallels, triangles, quadrilaterals, circles, and solids. Additionally, coordinate geometry transformations are covered. Assignments may be given that require completion in the Math Activities Center.

## **MATH 104 Intermediate Algebra 5.0 Units**

*Course Advisory: MATH 330; SCC minimum English standard.*

*General Education: Option A: Area D2*

*Hours: 80-90 lecture, 16-18 lab.*

An extension of the fundamental algebraic concepts developed in Elementary Algebra. Additional topics include arithmetic operations on functions; composition of functions; basic graphing techniques; absolute value, exponential, logarithmic, quadratic, linear, and polynomial functions; equations of the second degree and their graphs; complex numbers; and systems of linear equations in two and three variables. Assignments may be given that require completion in the Math Activities Center.

# Mathematics

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## **MATH 112**

**4.0 Units**

### **Intermediate Algebra for Liberal Arts**

*Course Advisory: A minimum grade of C in MATH 330; SCC minimum English standard.*

*General Education: Option A: Area D3A  
Hours: 64-72 lecture, 16-18 lab.*

Students will develop their ability to solve problems with algebraic reasoning and learn to effectively communicate their solutions. Topics include number sense, functions, use of linear and exponential functions to model bivariate data, logarithms and an introduction to descriptive statistics and probability. This course is designed to meet the mathematics graduation requirement for an Associate Degree. This course can also be taken by students planning to transfer to a four-year institution and major in an area of liberal arts (non-STEM majors) that requires either Statistics (MATH 011) or Math Ideas (MATH 012). Students who need a calculus course must take MATH 104 in preparation for pre-calculus. All transfer students should consult with a counselor or mathematics instructor for advice on whether to take MATH 112 or MATH 104. Lab hours may be scheduled or TBA depending on the section. Students are expected to complete both the lecture and lab portions of the course.

## **MATH 160 Math for Nursing School Students 0.5 Unit**

*Prerequisite: Current acceptance or on the waiting list of an RN Program.*

*Hours: 8-9 lecture.*

Focuses on mathematics topics that are critical to success for students entering an RN program. This course provides a review of select mathematics topics for students entering nursing school. It is especially designed for students that have had an extended time period between finishing their pre-nursing requirements and entering nursing school. Pass/No Pass only course.

## **MATH 305 Prepare for Math Success 0.5 Unit**

*Hours: 8-9 lecture.*

Review basic skills math topics from the last math course previously completed with the online math review program. In addition, students will explore and improve their math study skills. Students will need access to the internet.

## **MATH 310 Arithmetic**

**3.0 Units**

*Course Advisory: SCC minimum English standard.  
Hours: 64-72 lecture.*

A course in basic mathematical computations designed to improve arithmetic skills and prepare the student for a pre-algebra level math course. Major topics include whole numbers, fractions, decimals, percents, simple geometry, measurement, and basic statistics.

## **MATH 311 Elementary Statistics Support 0.5 Unit**

*Corequisite: MATH 011.*

*Hours: 32-36 lab.*

A review of the core prerequisite skills, competencies, and concepts needed in statistics. Intended for students who are concurrently enrolled in MATH 011, Elementary Statistics. Topics include concepts from arithmetic, pre-algebra, elementary and intermediate algebra, and descriptive statistics that are needed to understand the basics of college-level statistics. Concepts are taught through the context of descriptive data analysis. Additional emphasis is placed on solving and graphing linear equations and modeling with linear functions. Enrollment in the course may occur as a result of the recommendation of a counselor or math instructor based on a Multiple Measures Evaluation. This course is Pass/No Pass only.

## **MATH 312 Mathematical Ideas Support 0.5 Unit**

*Corequisite: MATH 012.*

*Hours: 24-27 lab.*

A review of the core prerequisite skills, competencies, and concepts needed in Mathematical Ideas. A companion course to Mathematical Ideas to provide needed support for student success. This includes just in time remediation, math study skills, and affective learning. Enrollment in the course may occur as a result of the recommendation of a counselor or math instructor based on a Multiple Measures Evaluation. This course is Pass/No Pass only.

## **MATH 320 Pre-Algebra**

**4.0 Units**

*Course Advisory: SCC minimum English standard.  
Hours: 64-72 lecture, 16-18 lab.*

Designed to prepare the student for transition into a beginning algebra course. Major topics include operations on integers and rational numbers, the order of operations, introduction to variables, simplifying and evaluating expressions, solving basic linear equations, proportions, percents, basic geometry, graphing, and application problems.



# Mathematics

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## **MATH 330 Elementary Algebra**

**5.0 Units**

*Course Advisory: MATH 320 with a minimum grade of C; SCC minimum English standard.*

*Hours: 80-90 lecture.*

Introductory examination of the structure of the number system. Covers such topics as an introduction to set operations, the field axioms of the real numbers, and the properties of the whole number exponents. Emphasizes operations with fundamental expressions, solutions of first-degree equations, inequalities and linear systems. Introduces absolute value, radical and quadratic equations, applied problems involving first and second degree equations in one variable, point-slope and slope-intercept equations of lines and their graphs, and the concepts of relations and functions. Not open to students who have passed MATH 330A.

## **MATH 330A Elementary Algebra, Part I**

**3.0 Units**

*Course Advisory: MATH 320 with a minimum grade of C; SCC minimum English standard.*

*Hours: 48-54 lecture.*

Introductory examination of the structure of the number system. Covers such topics as an introduction to the concept of set operations, the field axioms of the real numbers, order of operations, properties of whole number exponents, variables, variable expressions, operations with monomials, definition of a polynomial, addition and subtraction of polynomials, linear equations, graphing linear equations, linear inequalities, and systems of linear equations, solutions of first degree equations and inequalities in one variable, and applications. A student must take MATH 330B to complete Elementary Algebra. Students who pass MATH 330A are not eligible for MATH 330.

## **MATH 330B Elementary Algebra, Part II**

**3.0 Units**

*Course Advisory: MATH 330A with a minimum grade of C; SCC minimum English standard.*

*Hours: 48-54 lecture.*

Introductory examination of the structure of the number system. Covers such topics as multiplication and division of polynomials, factoring, solving quadratic equations by factoring, operations with rational expressions, simplifying rational expressions, solutions of equations containing rational expressions, roots, radicals and the quadratic formula, and introduction to functions. Successful completion of Math 330B completes Elementary Algebra.

## **MATH 500 Supervised Tutoring in MATH**

**0.0 Units**

*Corequisite: Concurrent enrollment in a MATH course for which tutoring assistance is requested.*

*Hours: 16-180 lab.*

Provides students with tutorial support for all mathematics courses. Open entry/open exit, ungraded.

## **MATH 505 Supplemental Instruction: MATH**

**0.0 Units**

*Hours: 16-180 lab.*

An open-entry, open-exit course for students who seek academic support, through supplemental instruction and use of computers, to fill in missing prerequisite knowledge and strengthen skills developed in a referring course or courses as follows: Math 002, 004, 011, 012, 020, 021, 022, 023, 026, 030, 031, 040, 051, 103, 104, 112, 310, 320, 330, 330A, 330B.



# Music (AA-T)

## CAREER PATHS:

Music Therapist

Music Director

Music Composer and Arranger

Musician

Music Instructor

Sound Engineer

Additional Career Paths and related data, including state-by-state wage info and growth in the field, can be found at [www.onetonline.org](http://www.onetonline.org). This program map represents one possible pathway. See a counselor to create a customized education plan. Map is for the 2019-2020 catalog year.



**SOLANO**  
COMMUNITY COLLEGE

## MUSIC

Associate in Arts for Transfer  
GE Pattern: IGETC  
Program Total Units: 63.5

For more information  
please contact:  
**(707) 864-7114**

## 1 FIRST SEMESTER

Total Recommended Units: 15

<input type="checkbox"/> MUSC 001 Beginning Theory I	4 units
<input type="checkbox"/> MUSC 027 Elementary Piano Part I	1.5 units
<input type="checkbox"/> ENSEMBLE COURSE 1st of 4 required	1 unit
<input type="checkbox"/> MUSC 040A Applied Music I	0.5 units
<input type="checkbox"/> MUSC 005 Music Fundamentals (IGETC 3A)	3 units
<input type="checkbox"/> ENGL 001 & LR 01 College Composition (IGETC 1A) & Introduction to Library Research	5 units

## 2 SECOND SEMESTER

Total Recommended Units: 18.5

<input type="checkbox"/> MUSC 002 Beginning Theory II	4 units
<input type="checkbox"/> MUSC 040B Applied Music II	0.5 units
<input type="checkbox"/> ENSEMBLE COURSE 2nd of 4 required	1 unit
<input type="checkbox"/> MATH 012 Mathematical Ideas (IGETC 4)	3 units
<input type="checkbox"/> IGETC 1C Suggested: COMM 001 or 002 or 006	3 units
<input type="checkbox"/> IGETC 1B Suggested: ENGL 002 or 004	4 units
<input type="checkbox"/> IGETC 4	3 units

## 3 THIRD SEMESTER

Total Recommended Units: 15.5

<input type="checkbox"/> MUSC 003 Advanced Theory I	4 units
<input type="checkbox"/> ENSEMBLE COURSE 3rd of 4 required	1 unit
<input type="checkbox"/> MUSC 040C Applied Music III	0.5 units
<input type="checkbox"/> IGETC 5A or 5B with Lab	4 units
<input type="checkbox"/> IGETC 4 Suggested: COUN 015, SJS 002 or PLSC 005	3 units
<input type="checkbox"/> IGETC 3A or 3B	3 units

## 4 FOURTH SEMESTER

Total Recommended Units: 14.5

<input type="checkbox"/> MUSC 004 Advanced Theory II	4 units
<input type="checkbox"/> ENSEMBLE COURSE 4th of 4 required	1 unit
<input type="checkbox"/> MUSC 040D Applied Music IV	0.5 units
<input type="checkbox"/> IGETC 5A or 5B without Lab	3 units
<input type="checkbox"/> IGETC 3B / Am Inst Grp 2 Suggested: HIST 017 or 018 or 028 or 029 or 037	3 units
<input type="checkbox"/> IGETC 4 / Am Inst Grp 1 Suggested: PLSC 001 or 005	3 units

## GET STARTED NOW!

- ▶ **Get started on your Pathway now with these recommended courses!**  
*Then* – See a counselor to create a **CUSTOMIZED** education plan personalized to your career and transfer goals!
- ▶ Required courses may change depending on a student's career and transfer goals, including requirements for cross-cultural and foreign language courses, and/or specific requirements for an individual CSU or UC.
- ▶ Unique transfer requirements for a specific institution can be found at [www.assist.org](http://www.assist.org).

## LET US HELP YOU!

**How to Apply:** [solano.edu/ar/apply.php](http://solano.edu/ar/apply.php)

- **Questions? Talk to a Counselor Now!**  
Main Campus, Fairfield: (707) 864-7101  
Vacaville Center: (707) 863-7836  
Vallejo Center: (707) 642-8188  
Travis AFB: (707) 863-7878  
Visit online at [solano.edu/counseling](http://solano.edu/counseling)
- **Contact Our Career Center to Learn Your Career Options!**  
Call 707-864-7124, or email at [CareerCenter@solano.edu](mailto:CareerCenter@solano.edu)  
Visit online at [solano.edu/career](http://solano.edu/career)
- **You Can Afford College! Learn more about Financial Aid!**  
Call 707-864-7103, or email at [FinancialAid@solano.edu](mailto:FinancialAid@solano.edu)  
Visit online at [solano.edu/financial\\_aid](http://solano.edu/financial_aid)
- **College is Accessible!** Contact our Disability Services Program (DSP) at 707-864-7136.

Required Courses/Courses in Discipline     GE Courses/Categories

# Music

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

### Program Description

The Associate in Arts in Music for Transfer degree provides students with the foundations for a broad range of musical specializations such as instrumental performance, vocal performance, jazz performance, composition, theory, musicology, ethnomusicology, music education, and music industry.

### Associate in Arts in Music for Transfer

The Associate in Arts in Music for Transfer degree provides students with the foundations for a broad range of musical specializations such as instrumental performance, vocal performance, jazz performance, composition, theory, musicology, ethnomusicology, music education, and music industry. The Associate in Arts in Music for Transfer provides students with a major that fulfills the general requirements of the California State University for transfer. Students completing an Associate in Arts in Music for Transfer degree are guaranteed admission with junior status to the CSU system, but not to a particular campus or major.

To earn the Associate in Arts in Music 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 Music for Transfer degree will be able to:

1. Analyze and perform the elements of music (rhythm, melody, harmony and form) with technical facility and artistry as a soloist and as a member of an ensemble.
2. Analyze musical scores and compositions.
3. Critique personal music performances and those of other musicians.
4. Compare and contrast the characteristics of various musical cultures and historical periods.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
MUSC 005 Music Fundamentals.....	3
MUSC 002 Beginning Theory II .....	4
MUSC 003 Advanced Theory I .....	4
MUSC 004 Advanced Theory II .....	4
MUSC 040A Applied Music I .....	0.5
MUSC 040B Applied Music II .....	0.5
MUSC 040C Applied Music III .....	0.5
MUSC 040D Applied Music IV .....	0.5
Four semesters of Large Ensemble courses .....	4
<b>Total Units</b> .....	<b>21</b>

<b>LARGE ENSEMBLE COURSES</b> .....	<b>Units</b>
MUSC 009 Wind Ensemble .....	1
MUSC 010 Concert Band .....	1
MUSC 011 Symphonic Band .....	1
MUSC 014 Jazz Ensemble .....	1
MUSC 015 Stage Band .....	1
MUSC 016 Symphony Orchestra .....	1
MUSC 017 Chamber Orchestra .....	1
MUSC 020 Choir .....	1
MUSC 024 Master Works Chorale .....	1
MUSC 025 Chamber Choir .....	1
MUSC 026 Vocal Jazz Ensemble .....	1

<b>Required Major Total Units</b> .....	<b>21</b>
<b>CSU General Education or IGETC Pattern Units</b> ...	<b>37-39</b>
<b>CSU Transferable Electives</b>	
<i>(as needed to reach 60 transferable units)*</i> .....	<b>3-5</b>
<b>Total Degree Units</b> .....	<b>60</b>

# Music

## Music-Instrumental

### Program Description

The Associate in Arts in Music-Instrumental degree gives students the opportunity to gain the skills and knowledge needed as preparation for careers in music and further undergraduate study. Required courses include theory and musicianship, piano proficiency and large performance ensemble. Performance opportunities in both vocal and instrumental music enhance a student's understanding and skill levels. The choice of music history/literature courses enables the student to customize his/her own needs and/or special interests. The music faculty is dedicated to assisting students in exploring performance and teaching opportunities. The degree provides students the foundations for a broad range of musical specializations such as traditional instrumental performance, jazz performance, composition, theory, musicology, ethnomusicology, music education, and music industry.

### Associate in Arts Degree

The Associate in Arts Degree can be obtained by completing the 28.5-29.5-unit major, general education requirements, 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.

The Music A.A.-Instrumental major is intended for transfer. Students who plan to transfer to a four-year baccalaureate program should consult with music faculty and a counselor regarding specific major preparation requirements at the transfer institution of their choice. Students who intend to transfer are advised to select General Education Option B (IGETC) or Option C (CSU GE).

### Program Outcomes

Students who complete the Music – Instrumental Associate Degree will be able to:

1. Analyze and perform the elements of music (rhythm, melody, harmony and form) with technical facility and artistry as a soloist and as a member of an ensemble.
2. Analyze and compose musical exercises using a variety of technical skills.
3. Critique personal music performances and those of other musicians.
4. Compare and contrast the characteristics of various musical cultures and historical periods.

### REQUIRED COURSES .....Units

MUSC 001 Beginning Theory I .....	4
MUSC 002 Beginning Theory II .....	4
MUSC 003 Advanced Theory I .....	4
MUSC 004 Advanced Theory II .....	4
MUSC 041A Music Majors Piano .....	1.5
MUSC 041B Music Majors Piano .....	1.5
One course from List A .....	1
Two courses from List B .....	2.5-3.5
One course from List C.....	3
Three units from list D (One performance ensemble each semester).....	3
<b>Required Major Total Units .....</b>	<b>28.5-29.5</b>

### List A: (select one course) .....Units

MUSC 010 Concert Band.....	1
MUSC 014 Jazz Ensemble .....	1
MUSC 017 Chamber Orchestra .....	1
MUSC 020 Choir.....	1

### List B: (select two courses) .....Units

MUSC 029 Intermediate Piano Part I.....	1.5
MUSC 030 Intermediate Piano Part II.....	1.5
MUSC 031 Class Lessons in Woodwinds .....	1.5
MUSC 032 Class Lessons in Brass .....	1.5
MUSC 033 Class Lessons in Strings .....	1
MUSC 034 Class Lessons in Percussion.....	2
MUSC 038 Class Lessons in Beginning Guitar .....	1.5
MUSC 039 Class Lessons in Intermediate Guitar .....	1.5
MUSC 042A Jazz and Pop Piano .....	1.5
MUSC 042B Jazz and Pop Piano .....	1.5

### List C: (select one course) .....Units

MUSC 007 Jazz and Popular Music in America: Ragtime to rock.....	3
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MUSC 008 Music Appreciation .....	3
MUSC 013 Multicultural Music in America .....	3

### List D: (select three units).....Units

(One performance ensemble each semester)

MUSC 009 Wind Ensemble.....	1
MUSC 010* Concert Band.....	1
MUSC 014* Jazz Ensemble .....	1
MUSC 015 Stage Band.....	1
MUSC 016 Symphony Orchestra .....	1
MUSC 017* Chamber Orchestra .....	1
MUSC 018 Beginning Steel Drum Band .....	2
MUSC 021 Chorus.....	1
MUSC 024 Master Works Chorale .....	1

\*If not used in List A

### CSU General Education or IGETC Pattern units..... 37-39

Transferable Electives (as needed to reach 60 units).....0

**Total Degree Units CSU GE or IGETC .....** 62.5-65.5

### Solano General Education.....21

Electives (as needed to reach 60 units)..... 9.5-10.5

**Total Degree Units Solano GE.....**60

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

**MUSC 027 recommended the first semester of enrollment for students who do not have strong music reading skills. Please consult with an instructor.**

# Music

## Music-Vocal

### Program Description

The Associate in Music-Vocal degree gives students the opportunity to gain the skills and knowledge needed as preparation for careers in music and further undergraduate study. Required courses include theory and musicianship, piano proficiency and large ensemble. Performance opportunities in both vocal and instrumental music enhance a student's assimilation and skill levels. The choice of music history/literature courses enables the student to customize his/her own needs and/or special interests. The music faculty is dedicated to assisting students in exploring performance and teaching opportunities. The degree provides students the foundations for a broad range of musical specializations such as solo vocal performance, choral performance, choral directing, composition, theory, musicology, ethnomusicology, music education, as well as a broad range of specialties in the music industry.

### Associate in Arts Degree

The Associate in Arts Degree can be obtained by completing the 29-unit major, general education requirements, 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.

The Music A.A.-Voice major is intended for transfer. Students who plan to transfer to a four-year baccalaureate program should consult with music faculty and a counselor regarding specific major preparation requirements at the transfer institution of their choice. Students who intend to transfer are advised to select General Education Option B (IGETC) or Option C (CSU GE).

### Program Outcomes

Students who complete the Music - Vocal Associate Degree will be able to:

1. Analyze and perform the elements of music (rhythm, melody, harmony and form) with technical facility and artistry as a soloist and as a member of an ensemble.
2. Analyze and compose musical exercises using a variety of technical skills.
3. Critique personal music performances and those of other musicians.
4. Compare and contrast the characteristics of various musical cultures and historical periods.

### REQUIRED COURSES .....Units

MUSC 001 Beginning Theory I.....	4
MUSC 002 Beginning Theory II.....	4
MUSC 003 Advanced Theory.....	4
MUSC 004 Advanced Theory.....	4
MUSC 041A Music Majors Piano.....	1.5
MUSC 041B Music Majors Piano.....	1.5

MUSC 024 Master Works Chorale.....	1
or	
MUSC 025 Chamber Choir.....	1

Two courses from List A.....	3
One course from List B.....	3
Three units from List C (One performance ensemble each semester).....	3
<b>Required Major Total Units.....</b>	<b>29</b>

### List A: (select two courses) .....Units

MUSC 029 Intermediate Piano Part I.....	1.5
MUSC 030 Intermediate Piano Part II.....	1.5
MUSC 035A Beginning Voice I.....	1.5
MUSC 035B Beginning Voice II.....	1.5
MUSC 036A Intermediate Voice I.....	1.5
MUSC 036B Intermediate Voice II.....	1.5
MUSC 051 Jazz and Popular Solo voice.....	1.5

### List B: (select one course)..... Units

MUSC 007 Jazz and Popular Music in America: Ragtime to rock.....	3
MUSC 008 Music Appreciation.....	3
MUSC 013 Multicultural Music in America.....	3

### List C: (select three units) ..... Units

One performance ensemble each semester	
MUSC 014 Jazz Ensemble.....	1
or	
MUSC 017 Chamber Orchestra.....	1
MUSC 020 Choir.....	1
MUSC 021 Chorus.....	1
MUSC 024* Master Works Chorale.....	1
MUSC 025* Chamber Choir.....	1
MUSC 026 Vocal Jazz Ensemble.....	2

\*If not used in Required Courses

**CSU General Education or IGETC Pattern units.... 37-39**  
**Transferable Electives (as needed to reach 60 units).... 0**  
**Total Degree Units CSU GE or IGETC..... 63-65**

**Solano General Education..... 21**  
**Electives (as needed to reach 60 units)..... 10**  
**Total Degree Units Solano GE..... 60**

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

**MUSC 027 recommended the first semester of enrollment for students who do not have strong music reading skills. Please consult with an instructor**

# Music

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## **MUSC 001 Beginning Theory I**

**4.0 Units**

*Course Advisory: MUSC 027 or knowledge of musical notation; SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 64-72 lecture.*

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)*

## **MUSC 002 Beginning Theory II**

**4.0 Units**

*Prerequisite: MUSC 001 with a minimum grade of C.*

*Course Advisory: MUSC 028*

*Hours: 64-72 lecture.*

Continuation of MUSC 001 providing a more in-depth study of scales, triads, diatonic harmonies, part writing, rhythms, sight singing, ear training, dictation, form, history, and performance. It also includes the study of harmonic progression, dominant and non-dominant seventh chords, modulation, secondary function chords, and binary and ternary form. It includes analysis and composition and is required for music majors. *(C-ID MUS 130; MUS 135)*

## **MUSC 003 Advanced Theory I**

**4.0 Units**

*Prerequisite: MUSC 002 with a minimum grade of C.*

*Transferable to UC/CSU*

*Hours: 64-72 lecture.*

Continuation of MUSC 002 including the study of 16th- and 18th-century counterpoint, fugue, variation, altered chords, sonata allegro, and rondo forms, and late 19th century writing techniques; practice in rhythmic, melodic, harmonic, and contrapuntal sight singing; ear training, and dictation. This course is required for music majors.

*(C-ID MUS 140; MUS 145)*

## **MUSC 004 Advanced Theory II**

**4.0 Units**

*Prerequisite: MUSC 003 with a minimum grade of C.*

*Course Advisory: MUSC 030*

*Transferable to UC/CSU*

*Hours: 64-72 lecture.*

Continuation of MUSC 003 including a more in-depth study of altered chords and late 19th- and 20th-century writing techniques including: 9th, 11th and 13th chords; altered dominants; chromatic harmony; dodecaphony; set theory; aleatory; minimalism; and analysis techniques. It includes practice in rhythmic, melodic, harmonic and contrapuntal sight-singing, ear-training and dictation. This course is required for music majors. *(C-ID MUS 150; MUS 155)*

## **MUSC 005 Music Fundamentals**

**3.0 Units**

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Area C; Option B: Area 3A; Option C: Area C1*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

Introduces the elements of music including notation, rhythm and meter, diatonic scales and triads, key signatures, melody, chords and aural skills. Traces the historical and cultural progress of music through the development of musical symbols and their application. No previous musical study is required. *(C-ID MUS 110)*

## **MUSC 007**

**3.0 Units**

### **Jazz and Popular Music in America: Ragtime to Rock**

*Course Advisory: SCC minimum English standard.*

*General Education: Option A: Area C; Option B: Area 3A; Option C: Area C1*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

A survey of jazz and popular music in America, using an historical approach. Includes listening to and analyzing examples of jazz and popular music in relation to the social, technical and historical trends.

## **MUSC 008 Music Appreciation**

**3.0 Units**

*Course Advisory: SCC minimum English standard.*

*General Education: Option A: Area C; Option B: Area 3A; Option C: Area C1*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

An introductory examination of how composers and songwriters apply the various elements of music to heighten the expressive impact of a composition. Aspects of melody, rhythm, harmony, tone, and structure are studied through focused listening of works from the Renaissance to contemporary styles of avant-garde and popular music. This course requires no previous musical study. *(C-ID MUS 100)*

## **MUSC 009 Wind Ensemble**

**1.0 Unit**

*Prerequisite: Ability to play a wind ensemble instrument. Students must demonstrate an adequate level of proficiency on an instrument to participate and perform with the wind ensemble.*

*Course Advisory: SCC minimum English standard.*

*Transferable to UC/CSU*

*Hours: 48-54 lab, 16-18 lab by arrangement.*

The study and performance of wind ensemble repertoire. Public performances and/or field trips are required. Repeatable 3 times. *(C-ID MUS 180).*



# Music

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## **MUSC 010 Concert Band**

**1.0 Unit**

*Prerequisite: Ability to play a concert band instrument. Students must demonstrate an adequate level of proficiency on an instrument to participate and perform with the concert band.*

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 48-54 lab, 16-18 lab by arrangement.*

The study and performance of concert band literature.

Public performances and/or field trips are required.

Repeatable 3 times. (C-ID MUS 180).

## **MUSC 011 Symphonic Band**

**1.0 Unit**

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 48-54 lab, 16-18 lab by arrangement.*

The study and performance of various styles of symphonic

band literature. Symphonic band literature, rehearsal

technique, and performance practices are examined.

Public performances and/or field trips are required.

Repeatable 3 times. (C-ID MUS 180)

## **MUSC 013 Multicultural Music in America** **3.0 Units**

*Course Advisory: SCC minimum English standard.*

*General Education: Option A: Area C, Area E; Option B: Area 3A;*

*Option C: Area C1; SCC Graduation Requirement*

*Transferable to UC/CSU*

*Hours: 48-54 lecture.*

A survey of multicultural music in America; listening to and analyzing examples of multicultural music in relation to social, technical, and historical trends, including the role of music in influencing American attitudes toward ethnic identity, stereotyping, and racial prejudice. This course also examines the uniquely American style resulting from the interaction among musicians of many cultural, racial, national, and ethnic backgrounds.

## **MUSC 014 Jazz Ensemble**

**1.0 Unit**

*Prerequisite: Ability to play at least one instrument commonly used in jazz ensemble.*

*Course Advisory: SCC minimum English and Math standards.*

*Hours: 48-54 lab, 16-18 lab by arrangement.*

*Transferable to UC/CSU*

The study and performance of jazz ensemble repertoire

encompassing a wide variety of music in the jazz

style. Public performances and field trips are required.

Repeatable 3 times. (C-ID MUS 180)

## **MUSC 015 Stage Band**

**1.0 Unit**

*Prerequisite: Ability to perform on one or more instruments in the stage band. Students must demonstrate an adequate level of proficiency on an instrument to participate and perform with the stage band.*

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 48-54 lab. 16-18 lab by arrangement.*

An instrumental ensemble class analyzing and performing

stage band music. Public performance required.

Repeatable 3 times. (C-ID MUS 180)

## **MUSC 016 Symphony Orchestra**

**1.0 Unit**

*Prerequisite: Ability to play an orchestral instrument.*

*Students must demonstrate an adequate level of proficiency on an instrument to participate and perform with the symphony orchestra.*

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 8-9 lecture, 16-18 lab, 8-9 lab by arrangement.*

The study and performance of orchestral repertoire.

A wide variety of musical literature is covered. Public performances and/or field trips are required. Repeatable 3 times. This is an Open Entry/Open Exit course.

(C-ID MUS 180)

## **MUSC 017 Chamber Orchestra**

**1.0 Unit**

*Prerequisite: Ability to play an orchestral instrument.*

*Students must demonstrate an adequate level of proficiency on an instrument to participate and perform with the chamber orchestra.*

*Course Advisory: SCC minimum English and Math standards.*

*General Education: Option A: Area C; Option B: Area 3A*

*Transferable to UC/CSU*

*Hours: 48-54 lab, 16-18 lab by arrangement.*

The study and performance of chamber orchestra

repertoire. Public performances and/or field trips are

required. Repeatable 3 times. (C-ID MUS 180)

## **MUSC 018 Beginning Steel Drum Band**

**2.0 Units**

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 32-36 lab, 16-18 lab by arrangement*

An ensemble class with emphasis on music from the Caribbean. Regular rehearsal and performances using steel drums. This class also presents a comparison of Caribbean musical performance styles. Public performances and/or field trips required. Repeatable 3 times.

## **MUSC 019 Instrumental Ensemble**

**2.0 Units**

*Course Advisory: Ability to read music and play an instrument.*

*Transferable to UC/CSU*

*Hours: 32-36 lecture, 16-18 lab.*

The study and performance of representative music literature for strings, woodwinds, brass and small mixed group ensembles. Includes improvisation, reading, ensemble practice and outside performance when possible. Repeatable 3 times.



# Music

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## **MUSC 020 Choir**

**1.0 Unit**

*Prerequisite: Ability to sing in a choir. Students must demonstrate an adequate level or proficiency to participate and perform with the choir.*

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 48-54 lab, 16-18 lab by arrangement.*

A performing mixed choir (S.A.T.B.) that studies and performs a variety of a cappella and accompanied choral literature. This course teaches fundamentals of reading choral music, using examples from choral literature.

Attendance at and involvement in public performances required. Field trips may be required. Repeatable 3 times. (C-ID MUS 180)

## **MUSC 021 Chorus**

**1.0 Unit**

*Prerequisite: Students must demonstrate an adequate level of vocal proficiency to participate in and perform with the Chorus. Audition required.*

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 48-54 lab, 16-18 lab by arrangement.*

A performing mixed choir (S.A.T.B.) that sings a variety of music, both historical and contemporary. This course teaches fundamentals of reading choral music, using examples from choral literature. Repeatable 3 times.

## **MUSC 023 Handbell Ensemble**

**2.0 Units**

*Course Advisory: Previous musical experience is helpful; SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 32-36 lab, 16-18 lab by arrangement.*

Presents the study and performance of music for handbells. Music reading skills, techniques of handbell ringing, and musicianship skills are taught through lecture, rehearsal and performance of various styles of music arranged for handbells. Public performance is required. Repeatable 3 times.

## **MUSC 024 Master Works Chorale**

**1.0 Unit**

*Prerequisite: Audition to assess ability of music reading and vocal skills. Students must demonstrate an adequate level of vocal proficiency to participate and perform with the Master Works Chorale. Audition required.*

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 48-54 lab, 16-18 by arrangement.*

A performing mixed choir (S.A.T.B.) that sings a variety of music, both historical and contemporary, with an emphasis on large choral forms such as oratorios and cantatas, accompanied by instruments. Designed for singers with previous choral experience. Public performance required. Repeatable 3 times. (C-ID MUS 180)

## **MUSC 025 Chamber Choir**

**1.0 Unit**

*Prerequisite: Audition required to assess ability of music reading and vocal skills. Students must demonstrate an adequate level of vocal proficiency to participate and perform with the Chamber Choir.*

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 48-54 lab, 16-18 lab by arrangement.*

Advanced study and performance of choral works for the small ensemble. Public performance required. Highly recommended for music majors, especially voice majors. Participation in public performances required. Field trips are required. Repeatable 3 times. (C-ID MUS 180)

## **MUSC 026 Vocal Jazz Ensemble**

**1.0 Unit**

*Prerequisite: Ability to sing in a vocal jazz ensemble. Students must demonstrate an adequate level of proficiency singing in a cappella choral ensembles, reading music and a good concept of the vocal jazz ensemble idiom.*

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to UC/CSU*

*Hours: 48-54 lab, 16-18 lab by arrangement.*

The study and performance of choral works in the jazz idiom, including development of reading and improvisation skills. Vocalists work with a jazz rhythm section and instrumentalists. Participation in public performance required. Repeatable 3 times. (C-ID MUS 180)

## **MUSC 027 Elementary Piano Part I**

**1.5 Units**

*Course Advisory: SCC minimum English.*

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 16-18 lab.*

An introduction to beginning piano techniques, including hand position, posture, fingering, technical exercises, note reading, sight reading, and performance of piano literature. Numerous examples are assigned to demonstrate the essentials of reading and counting skills, coupled with the presentation of major and minor scales, chords, and other fundamentals of piano playing.

## **MUSC 028 Elementary Piano Part II**

**1.5 Units**

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 16-18 lab.*

A continuation of MUSC 027 expanding on the elementary piano techniques by exploring a progressive series of pieces and exercises which develop the reading skills and other concepts used in performance practice. Stresses use of all major and minor scales, arpeggios in exercise form, sight reading, chromatic fingering, and performance.

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## **MUSC 029 Intermediate Piano Part I**

**1.5 Units**

*Prerequisite: MUSC 028.*

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 16-18 lab.*

Presents the intermediate level of piano technique and literature. Emphasis is on interpretation, fingering, phrasing, technical studies and exercises including performance. Sight reading and continued development through the mastery of progressive pieces enables the pianist to reach a greater overall skill level and confidence during performance.

## **MUSC 030 Intermediate Piano Part II**

**1.5 Units**

*Prerequisite: MUSC 029.*

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 16-18 lab.*

Presents more difficult techniques for the intermediate pianist. Emphasizes the culmination of reading skills, motor coordination, knowledge of harmony, exercises and fingering, overall interpretation, dynamics, attention to form, advanced technical problems concerning performance of the literature. Recommended for students seeking a working knowledge in piano, comparable to second year level in the literature.

## **MUSC 031 Class Lessons in Woodwinds**

**1.5 Units**

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 16-18 lab.*

Class instruction in woodwind instruments. Music majors are required to take one unit of instruction in their major instrument for graduation. Four units are recommended for transfer majors. This class requires outside practice.

## **MUSC 032 Class Lessons in Brass**

**1.5 Units**

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 16-18 lab.*

Class instruction in brass instruments. Music majors are required to take one unit of instruction in their major instrument for graduation. Four units are recommended for transfer majors. This class requires outside practice.

## **MUSC 033 Class Lessons in Strings**

**1.0 Unit**

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 16-18 lab.*

Class instruction in strings. Transfer students are required to study four semesters in their major instrument.

## **MUSC 034 Class Lessons in Percussion**

**2.0 Units**

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 32-36 lab.*

Class instruction in percussion instruments. Music majors are required to take one unit of instruction in their major instrument. Transfer majors are required to study four semesters in their major instrument. This class requires outside practice.

## **MUSC 035A Beginning Voice I**

**1.5 Units**

*Course Advisory: SCC minimum English standard.*

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 16-18 lab.*

Group work on the fundamental techniques of singing, including literature of traditional/folk, art, musical theater and popular classics. Includes analysis of individual problems and the opportunity for solo performance. Transfer voice majors should study voice each semester.

## **MUSC 035B Beginning Voice II**

**1.5 Units**

*Prerequisite: MUSC 035A.*

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 16-18 lab.*

A continuation of MUSC 035A. Group work on the fundamental techniques of singing, including study of standard vocal literature for solo performance, with increased emphasis in developing vocal and performance skills.

## **MUSC 036A Intermediate Voice I**

**1.5 Units**

*Prerequisite: MUSC 035B.*

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 16-18 lab.*

A continuation of MUSC 035B with emphasis on the development of vocal technique and interpretation. Repertoire includes classical compositions from the English, Italian, and German languages. Analysis of individual vocal problems and performance skills is included.

## **MUSC 036B Intermediate Voice II**

**1.5 Units**

*Prerequisite: MUSC 036A.*

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 16-18 lab.*

A continuation of MUSC 036A with emphasis on vocal technique and interpretation. Solo repertoire appropriate to intermediate level includes standard voice literature. Analysis of individual vocal problems and performance skills is included.

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## **MUSC 038 Class Lessons in Beginning Guitar 1.5 Units**

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 32-36 lab.*

Presents the principles and techniques of fundamental guitar performance. The course stresses first position techniques, note reading, scales, fingerboard knowledge, chord positions, picking and strum techniques, and performance of selected musical literature appropriate to the beginning level. NOTE: Combined enrollments in MUSC 038, 039 and 062 may not exceed 4 units.

## **MUSC 039 1.5 Units**

### **Class Lessons in Intermediate Guitar**

*Prerequisite: MUSC 038 or equivalent as assessed by instructor and ability to read simple guitar music.*

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 32-36 lab.*

Presents the intermediate instruction level in guitar performance techniques and musical skill. The course covers 3rd and 5th positions, solo performance, musical notation exercise and application, musical interpretation and style, and intermediate literature. NOTE: Combined enrollments in MUSC 038, 039 and 062 may not exceed 4 units.

## **MUSC 040A Applied Music I 0.5 Unit**

*Corequisite: Student must be concurrently enrolled in a large performance ensemble (MUSC 009, 010, 011, 014, 015, 016, 017, 020, 021, 024 or 025) AND in a music theory class (MUSC 001, 002, 003 or 004).*

*Prerequisite: Audition: Student must meet the performance standards of an entering first semester college music major as determined by an entrance audition.*

*Hours: 8-9 lab, 16-18 lab by arrangement.*

*Transferable to CSU*

The first course in a four-part series which focuses on the development of individual performance skills and solo and ensemble repertoire. It includes one-on-one or small group instrumental, composition, or vocal instruction eight hours per semester; eight hours per semester of solo performance, master classes, and a final juried performance; and one hour monitored practice time per week. This course is required for all traditional performance majors. (C-ID MUS 160)

## **MUSC 040B Applied Music II 0.5 Unit**

*Corequisite: Student must be enrolled in a large performance ensemble (MUSC 009, 010, 014, 015, 016, 017, 020, 021, 024, 025, or 026) AND in a music theory class (MUSC 001, 002, 003, 004).*

*Prerequisite: MUSC 040A with a minimum grade of C; Audition:*

*Students must meet the performance standards of an entering second-semester college traditional music major as determined by an entrance audition.*

*Transferable to CSU*

*Hours: 8-9 lab, 16-18 lab by arrangement.*

The second course in a four-part series which focuses on the development of individual performance skills and solo and ensemble repertoire. It includes one-on-one or small group instrumental, composition, or vocal instruction eight hours per semester; eight hours per semester of solo performance, masterclasses, and a final juried performance; and one hour monitored practice time per week. This course is required for all traditional performance and jazz music majors. (C-ID MUS 160)

## **MUSC 040C Applied Music III 0.5 Unit**

*Corequisite: Student must be enrolled in a large performance ensemble (MUSC 009, 010, 014, 015, 016, 017, 018, 020, 021, 024, 025, or 026) AND in a music theory class (MUSC 001, 002, 003 or 004).*

*Prerequisite: MUSC 040B with a minimum grade of C; Audition: Student must meet the performance standards of an entering third-semester college traditional music major as determined by an entrance audition.*

*Transferable to CSU*

*Hours: 8-9 lab, 16-18 lab by arrangement.*

The third course in a four-part series which focuses on the development of individual performance skills and solo and ensemble repertoire. It includes one-on-one or small group instrumental, composition, or vocal instruction eight hours per semester; eight hours per semester of solo performance, masterclasses, and a final juried performance; and one hour monitored practice time per week. This course is required for all traditional performance and jazz music majors. (C-ID MUS 160)

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## **MUSC 040D Applied Music IV**

**0.5 Unit**

*Corequisite: Student must be enrolled in a large performance ensemble (MUSC 009, 010, 014, 015, 016, 017, 018, 020, 021, 024, 025, or 026) AND in a music theory class (MUSC 001, 002, 003 or 004).*

*Prerequisite: MUSC 040C with a minimum grade of C; Audition: Student must meet the performance standards of an entering fourth-semester college traditional music major as determined by an entrance audition.*

*Hours: 8-9 lab, 16-18 lab by arrangement.*

This final course in a four-part series which focuses on the development of individual performance skills and solo and ensemble repertoire. It includes one-on-one or small group instrumental, composition, or vocal instruction eight hours per semester; eight hours per semester of solo performance, masterclasses, and a final juried performance; and one hour monitored practice time per week. This course is required for all traditional performance and jazz music majors. (C-ID MUS 160)

## **MUSC 041A Music Majors Piano**

**1.5 Units**

*Course Advisory: SCC minimum English and Math standards. Instruction, practice and application of the techniques of piano performance.*

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 16-18 lab.*

Emphasis will be placed on a variety of keyboard skills including harmonic progressions, scales, fingerings, drills and exercises, sight reading, and keyboard ear-training. The course will present musical analysis, performance strategies, suggested rehearsal techniques, independent coordination, and memorization. The course is specially designed to accompany the music major and, therefore, is very specific in harmonic understanding, theory, melodic development and usage, and piano practice.

## **MUSC 041B Music Majors Piano**

**1.5 Units**

*Prerequisite: MUSC 041A.*

*Course Advisory: SCC minimum English standard. Instruction, practice and application of the techniques of piano performance at the intermediate level designed for music majors.*

*Hours: 16-18 lecture, 16-18 lab.*

Emphasis will be placed on continuation of keyboard skills including simple and complex modulation, harmonic progressions using seventh chords and larger sonorities, all major and minor scales plus other forms, exercises and drills, sight reading, rehearsal techniques, accompanying skills, arrangement and advanced ear-training. The course specifically relates to advanced theoretical concepts realized at the keyboard with a continued attention to performance and the use of the piano as a teaching tool.

## **MUSC 042A Jazz and Pop Piano**

**1.5 Units**

*Prerequisite: MUSC 027, MUSC 028, or equivalent as determined by instructor.*

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 16-18 lab.*

Instruction, practice, performance, and application of the techniques of Jazz and Pop piano performance. Emphasis will be placed on establishing the foundations for an improvised approach as well as a review of available literature. The course will focus on the concepts of jazz and popular styles involving the realization of lead sheets, chord voicing, applied scale theory, rhythmic structure, arrangement techniques, improvisation, and accuracy in the development of all styles considered.

## **MUSC 042B Jazz and Pop Piano**

**1.5 Units**

*Prerequisite: MUSC 027, MUSC 028, or equivalent as determined by instructor.*

*Course Advisory: MUSC 042A.*

*Transferable to UC/CSU*

*Hours: 16-18 lecture, 16-18 lab.*

Instruction, practice, performance, and application of the techniques and principles of intermediate jazz and popular piano styles and skills. Emphasis will be directed to continuing the presentation made in 042A. Focus will be centered around arranging, improvisations, voicings, dialogue, hand formats, performance of literature, written projects and a further introduction to styles. The realization of lead sheets, sight reading, ear training, transcriptions of solos, fingerings, scale theory, exercises, and performance strategies will all be discussed.

## **MUSC 049 Music Honors**

**1.0 to 3.0 Units**

*Prerequisite: Completion of 24 units of college credit with a minimum GPA of 3.3; a minimum of 5 units in the discipline with a minimum grade of B; an ability to work independently; permission of the School Dean based on instructor availability.*

*Course Advisory: SCC minimum English standard.*

*Transferable to CSU*

*Hours: 48-162 lab by arrangement.*

An independent study course in a selected musical area for sophomore students. The student works by arrangement with the instructor on an outlined program of study. A contract between student and instructor which details the specific area of interest including goals and schedule for project completion is required. Students may take this course up to the maximum number of units over multiple semesters.

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## **MUSC 051 Jazz and Popular Solo Voice**

**1.5 Units**

*Course Advisory: SCC minimum English standard.*

*Transferable to CSU*

*Hours: 16-18 lecture, 16-18 lab.*

The study and performance of songs in the popular and jazz idiom. Areas covered will include musical phrasing, emotional expression, popular vocal styling, stage presence and the use of sound reinforcement systems. This course requires public performance and/or field trips.

## **MUSC 052 Sound Recording**

**2.0 Units**

*Course Advisory: SCC minimum English standard.*

*Transferable to CSU*

*Hours: 16-18 lecture, 48-54 lab.*

Designed for musical performers and students interested in recording specifically. Development of recorded performances in the studio environment. Emphasis on acoustics, vocal and instrumental recording requirements, control board management, microphone techniques, organization and supervision of the recording session, mixing and mixdown. Particular attention is given to the hands-on experience in recording engineering and the overall recording process, including production, musical arrangement, mixdown, and studio demeanor.

## **MUSC 053 Advanced Sound Recording**

**2.0 Units**

*Prerequisite: MUSC 052.*

*Course Advisory: SCC minimum English and Math standards.*

*Transferable to CSU*

*Hours: 16-18 lecture, 48-54 lab.*

Advanced recording techniques with particular attention given to hands-on techniques.

## **MUSC 055**

**3.0 Units**

### **Introduction to Jazz Improvisation**

*Course Advisory: SCC minimum English standard and knowledge of music fundamentals and basic instrumental skills.*

*Transferable to CSU*

*Hours: 32-36 lecture, 16-18 lab, 16-18 lab by arrangement.*

Techniques and literature of improvisation including application of scales, modes, harmonic progressions, solo shape, form, and dynamic, rhythmic, and melodic development and interpretation of concepts and materials in the jazz style. Provides development and understanding of these techniques in the occupational areas of music through the concepts and performance of improvisation.

## **MUSC 056 Jazz Improvisational Ensemble**

**3.0 Units**

*Course Advisory: MUSC 055.*

*Transferable to CSU*

*Hours: 32-36 lecture, 16-18 lab, 16-18 lab by arrangement.*

Presents the principles and techniques of improvisational materials, combo performance, individual solo skills, advanced playing concepts, group dynamics, and increased performance ability. The class will perform a wide variety of arrangements and the overall performance standards are directed to feature individual soloists. Provides the occupational musician with an opportunity to develop confidence and advanced skills from performance in this ensemble. Repeatable 3 times.

## **MUSC 060 Sound Recording Lab**

**1.0 to 4.0 Units**

*Corequisite: MUSC 052, MUSC 061, MUSC 062, MUSC 063, or MUSC 066A-G.*

*Transferable to CSU*

*Hours: 48-216 lab.*

Introduces or further develops recording skills through practical application of techniques learned in related courses. The course is designed to allow recording students additional time outside of other classes to work on sound recording projects. Course may be taken up to the maximum number of units over multiple semesters.

## **MUSC 061**

**2.0 Units**

### **MIDI and Computer Music Sequencing And Scoring**

*Course Advisory: SCC minimum English and Math standards; MUSC 027 with a minimum grade of C.*

*Transferable to CSU*

*Hours: 16-18 lecture, 48-54 lab.*

An introduction to MIDI (Musical Instrument Digital Interface) and the hardware and software components of music sequencing and scoring. The course content will include hands-on familiarization with the Macintosh computer, practical use of sequencing and scoring software, and an understanding of MIDI terminology.

## **MUSC 066A**

**1.5 Units**

### **Advanced Sound Recording - Signal Processing**

*Prerequisite: MUSC 052 with a minimum grade of C.*

*Transferable to CSU*

*Hours: 8-9 lecture, 48-54 lab.*

One course in a series of Advanced Sound Recording electives building upon MUSC 052 skills, focusing on treatment of recorded audio files (signal processing), including applying reverberation, compression, equalization. This course is designed for students particularly interested in mixing audio.

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## MUSC 066B

1.5 Units

### Advanced Sound Recording - Microphone Technique

*Prerequisite: MUSC 052 with a minimum grade of C.*

*Transferable to CSU*

*Hours: 16-18 lecture, 48-54 lab.*

One course in a series of Advanced Sound Recording electives building upon MUSC 052 skills, focusing on understanding microphone construction, operating principles and uses. This course is designed for students particularly interested in microphone design and placement technique.

## MUSC 066C

1.5 Units

### Advanced Sound Recording - Mixing and Mastering

*Prerequisite: MUSC 052 with a minimum grade of C.*

*Transferable to CSU*

*Hours: 8-9 lecture, 48-54 lab.*

One course in a series of Advanced Sound Recording electives building upon MUSC 052 skills, focusing on mixing and mastering recorded music. This course is designed for students particularly interested in balancing audio that has been recorded and finalizing it in preparation for duplication.

## MUSC 066D

1.5 Units

### Advanced Sound Recording - Analog Recording

*Prerequisite: MUSC 052 with a minimum grade of C.*

*Transferable to CSU*

*Hours: 8-9 lecture, 48-54 lab.*

One course in a series of Advanced Sound Recording electives building upon MUSC 052 skills, focusing on recording music with analog equipment. This course is designed for students particularly interested in learning to record without computers.

## MUSC 066E

1.5 Units

### Advanced Sound Recording - Home Studio Recording

*Prerequisite: MUSC 052 with a minimum grade of C.*

*Transferable to CSU*

*Hours: 8-9 lecture, 48-54 lab.*

One course in a series of Advanced Sound Recording electives building upon MUSC 052 skills, focusing on learning how to adapt an existing home to accommodate a small recording studio. This course is designed for students particularly interested recording in a home studio.

## MUSC 066F

1.5 Units

### Advanced Sound Recording - Studio Design and Equipment

*Prerequisite: MUSC 052 with a minimum grade of C.*

*Transferable to CSU*

*Hours: 8-9 lecture, 48-54 lab.*

One course in a series of Advanced Sound Recording electives building upon MUSC 052 skills, focusing on learning how to physically design and equip any recording studio. This course is designed for students particularly interested in designing, building and equipping a recording studio. Off-campus field trip may be required.

## MUSC 066G Sound Recording Project

1.5 Units

*Prerequisite: MUSC 052 with a minimum grade of C.*

*Transferable to CSU*

*Hours: 8-9 lecture, 48-54 lab.*

One course in a series of Advanced Sound Recording electives building upon MUSC 052 skills, focusing on practical application of recording skills. This course is designed for students particularly interested in applying recording skills in real-world situations. Required attendance at up to three recording sessions which take place outside of normal classroom hours.

## MUSC 067A Introduction to Pro Tools

1.5 Units

*Course Advisory: MUSC 052 with a minimum grade of C; SCC minimum English standard.*

*Hours: 8-9 lecture, 48-54 lab.*

Covers basic Pro Tools principles; providing everything students need to complete a Pro Tools project - from initial set up to final mixdown. This course is an introduction to AVID's Pro Tools digital audio workstation software application. It includes how to record, edit, and mix music and Musical Instrument Digital Interface (MIDI) tracks within the Pro Tools application. This course is the first in a series of four courses leading to certification as a Pro Tools Operator.



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## **MUSC 067B Pro Tools Production**

**1.5 Units**

*Prerequisite: MUSC 067A with a minimum grade of C.  
Course Advisory: SCC minimum English standard.  
Hours: 8-9 lecture, 48-54 lab.*

Provides a more detailed look at the Pro Tools system above and beyond the knowledge gained in Introduction to Pro Tools. It covers all the key concepts and skills needed to operate a Pro Tools system at the user level. This is an intermediate course in Digidesign's Pro Tools digital audio workstation hardware and software application. Concepts and skills needed to operate large sessions in a project studio environment are covered. It includes managing large track counts, multiple channels of simultaneous inputs and outputs, and the use of specialized plug-ins for specific music and post-production tasks. This course is the second in a series of four courses leading to certification as a Pro Tools Operator.

## **MUSC 071 Business of Music I**

**3.0 Units**

*Course Advisory: Eligibility for ENGL 001.  
Transferable to CSU  
Hours: 48-54 lecture.*

Covers the processes of the music industry including record contracts as well as the responsibilities of record producers, agents, managers, and performing artists.

## **MUSC 072 Business of Music II**

**3.0 Units**

*Course Advisory: Eligibility for ENGL 001.  
Transferable to CSU  
Hours: 48-54 lecture.*

One course in a series of Music Industry core courses building upon MUSC 071 skills; focusing on the duties of attorneys, publishers, and radio stations regarding musical and financial matters. The course defines and analyzes publishing agreements, merchandising contracts, trademark and servicemark points, as well as radio and record-industry relations and sales and distribution.

## **MUSC 073 Artist Management**

**3.0 Units**

*Course Advisory: Eligibility for ENGL 001.  
Transferable to CSU  
Hours: 48-54 lecture.*

The definitions, duties, and agreements of artist management. Topics include the functions of a personal manager, guidelines to career planning, choosing managers and clients, record company negotiations, and selecting other team players. The course also analyzes the personal manager agreement and how to organize an artist's tour.

## **MUSC 074 Music Promotion**

**3.0 Units**

*Course Advisory: Eligibility for ENGL 001.  
Transferable to CSU  
Hours: 48-54 lecture.*

The process of music promotion. Topics include definitions of promotion, developing media/industry fan lists, and assembling a promotion packet. The course also discusses current internet strategies and new technologies developed for promotion. In addition, a campaign for album release and distribution is discussed and planned. Field trips may be required.