

Dance Department

DEGREES:

Dance (AA)

COURSES:

DANC (Dance)

CONTACT INFORMATION:

School of Health Sciences

Building: 800 Room 805B

Phone Number: (707) 864-7108

Fax Number: (707) 646-2062

Dean: Sheila Hudson

Administrative Assistant: Janet Schwartz

Faculty Contact: Ginger Cain



P.A.C.E. - VISUAL, PERFORMANCE, AND LANGUAGE ARTS - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to express yourself creatively and using imagination or intuition?
- ...enjoys feeling free to be inventive without limits?
- ...likes to inform, enlighten, help, or teach, using your skills with words and physicality to serve people?
- ...is interested in self-expression and thinking critically on the world in which we live?

P.A.C.E. - HEALTH AND HUMAN SERVICES- A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to inform, enlighten, help, teach, counsel, or cure people?
- ...enjoys using your skills to serve people?
- ...Likes to work hands-on with objects, machines, and tools and/or use your physical or athletic abilities?
- ...is interested in working in a medical environment?

Dance

Dance

Associate in Arts

Program Description

This program is designed for students planning to transfer to a four-year university to major or minor in dance. A comprehensive dance education will develop skills required to create, perform, communicate and grasp the essence of dance. These skills are acquired through the study of modern dance, ballet technique, jazz technique, hip-hop technique, ballroom technique, performance, as well as dance production, dance appreciation, choreography composition and music fundamentals.

The Associate of Arts can be obtained upon completion of the 19-unit major, General Education, and electives as needed to complete a minimum of 60 units. All courses in the major must be completed with a grade of C or better or a P if the course is taken on a pass-no pass basis.

Program Outcomes

Students who complete the Dance Associate in Arts will be able to:

1. Demonstrate the skills required to perform at a proficient level in a variety of dance styles including ballet, jazz, hip-hop, and modern dance.
2. Demonstrate an understanding and appreciation for the principal, historical, theoretical, and critical approaches to dance as a performing art.
3. Demonstrate a working knowledge of production techniques, including backstage, and show management.

REQUIRED COURSES	Units
DANC 004 Dance Appreciation	3
DANC 004E Dance Production	3
DANC 004G Dance Choreography	2
1 course from Music	3
5 courses from Beginning Dance	5
3 courses from Intermediate Dance	3
Required Major Total Units	19

Music (select one course)	Units
MUSC 008 Music Appreciation	3
MUSC 013 Multicultural Music in America	3

Beginning Dance (select five courses)	Units
DANC 004A Beginning Contemporary Modern 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 004N Beginning Swing Dance	1
KINE 006E Fundamentals of Yoga	1

Intermediate Dance (select three courses)	Units
DANC 004M Intermediate Ballet	1
DANC 004P Intermediate Jazz Dance	1
DANC 004S Intermediate Swing Dance	1
DANC 004T Intermediate Ballroom Dance	1
KINE 006F Intermediate Yoga	1

Drafting Department

DEGREES:

Drafting and Design (AS)
Survey and Civil Drafting (AS)

CERTIFICATES OF ACHIEVEMENT

Drafting and Design
Survey and Civil Drafting
Maker Space Technology

JOB-DIRECT LOW UNIT CERTIFICATE

Computer Aided Drafting (CAD) Technician

COURSES:

DRFT (Drafting)

CONTACT INFORMATION:

School of Applied Technology and Business

Building: 500 Room 509

Phone Number: (707) 864-7229

Fax Number: (707) 864-7190

Dean: Lisa Neeley

Administrative Assistant: Jill Crompton

Faculty Contact: Karen Cook

P.A.C.E. - INDUSTRIAL AND APPLIED TECHNOLOGY - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to work hands-on with objects, machines, tools, plants, or animals?
- ...enjoys work and play outside, including use your physical or athletic abilities?
- ...likes to follow directions to organize, plan and complete a project or task?
- ...is interested in attaining employment as soon as possible?

P.A.C.E. - SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to observe, learn, analyze, evaluate, or solve problems?
- ...enjoys to question and explore physical or biological happenings?
- ...likes to work hands-on with objects, machines, tools, plants, or animals?
- ...is interested in math and/or thinking analytically to solve complex problems?

Drafting

Drafting and Design Technician

Certificate of Achievement and Associate in Science

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.

The Certificate of Achievement can be obtained upon completion of the 31-31.5-unit major. The Associate in Science can be obtained by completing the 31-31.5-unit major, General Education, and electives as needed to complete a minimum of 60 units. 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 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	List A: (Select one course).....	Units
DRFT 045 Introduction to Computer-Aided Drafting (CAD).....	4	OCED 070 Occupational Soft Skills	1.5
DRFT 055 Mechanical Drafting - Level I.....	3	OCED 090 Occupational Work Experience	1
DRFT 058 Solid Modeling with Solidworks	3	OCED 091 General Work Experience	1
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		
Required Major Total Units	31-31.5		

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

Drafting

Survey and Civil Drafting Technician

Certificate of Achievement and Associate in Science

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.

The Certificate of Achievement can be obtained upon completion of the 26-26.5-unit major. The Associate in Science may be obtained by completing the 26-26.5-unit major, General Education, and electives as needed to complete a minimum of 60 units. 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.

REQUIRED COURSES	Units
DRFT 045 Introduction to Computer-Aided Drafting (CAD).....	4
DRFT 060 Architectural Drafting I	3
DRFT 080 Civil Drafting I	3
DRFT 140 Surveying.....	3
DRFT 161 Introduction to REVIT Architecture Software.....	3
IT 151 Vocational Mathematics.....	3
One course from List A	3
One course from List B	1-1.5
One course from List C	3
Required Major Total Units.....	26-26.5

List A: (select one course)	Units
GEOL 010 Introduction to Geographic Information Systems.....	3
GEOG 010 Introduction to Geographic Information Systems	3

List B: (select one course)	Units
OCED 070 Occupational Soft Skills	1.5
OCED 090 Occupational Work Experience	1
OCED 091 General Work Experience	1

List C: (select one course)	Units
GEOL 001 Physical Geology	3
GEOL 005 Geology of California	3
IT 050 Alternative Energy Technologies.....	3

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

Drafting

Maker Space Technology

Certificate of Achievement

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.

The Certificate of Achievement can be obtained upon completion of the 16.5-18-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 Maker Space Technology Certificate of Achievement 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
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 I.....	1.5
IT 176 Maker Space Technology Lab II.....	1.5
IT 179 Making Things 5 - Sewing Fundamentals.....	1
One Course from List A.....	1.5-3
Select Option A or Option B	4
Required Major Total Units.....	16.5-18

List A (select one course).....	Units
DRFT 151 3D Modeling with Fusion 360	1.5
DRFT 058 Solid Modeling with Solidworks	3

Select Option A or Option B.....	Units
Option A	
DRFT 045 Introduction to Computer-Aided Drafting (CAD)	4
Option B	
DRFT 145 AutoCAD Basics.....	1
DRFT 079 Blueprint Reading	3

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

Computer Aided Drafting (CAD) Technician

Job-Direct Low Unit Certificate

REQUIRED COURSES	Units
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
Total Units.....	13

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

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

Economics Department

DEGREES:

Economics (AS-T)

COURSES:

ECON (Economics)

CONTACT INFORMATION:

School of Applied Technology and Business

Building: 500 Room 509

Phone Number: (707) 864-7229

Fax Number: (707) 864-7190

Dean: Lisa Neeley

Administrative Assistant: Jill Crompton

Faculty Contact: Laura Maghoney



P.A.C.E. - BUSINESS AND MANAGEMENT - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to influence, lead or manage to reach your personal or organizational goals and/or economic gain?
- ...enjoys facts, numbers, and details?
- ...likes to carry out tasks in detail or to follow through on other's instructions?
- ...is interested in learning about how to turn your ideas into a sustainable business?

Guided Pathways:

ECONOMICS AA-T

Associate in Arts for Transfer | GE Pattern: IGETC | Program Total Units: 61 - 69.5

This program map represents **one possible pathway**. See a counselor to create a customized education plan. Map is for the 2021-2022 catalog year.

Career Paths

Economist • Economics Teacher • Banking •
Financial or Market Analyst • Actuary

What your potential plan could look like...

1 First Semester Total Recommended Units: 14

- ENGL 001 College Composition (IGETC 1A) 4 units
- LR 010 Introduction to Library Research 1 unit
- MATH 011 Statistics (IGETC 2B) 3 - 4 units
- ECON 001 Principles of Macroeconomics (IGETC 4) 3 units

2 Second Semester Total Recommended Units: 16

- ENGL 002 or 004 (IGETC 1B) 4 units
- ECON 002 Principles of Microeconomics (IGETC 4) 3 units
- MATH 020 Analytic Geometry and Calculus 5 units
- COMM 001, 002, or 006 (IGETC 1C) 3 units

3 Third Semester Total Recommended Units: 12-16

- ASL 001, FREN 001, or SPAN 001* 3 - 5 units or (IGETC 3B)
- PLSC 001 or 005 (IGETC 4/American Institutions) 3 units
- IGETC 5B BIO 012, 016, 018, 020, OR 025 3 units
- LIST A of ADT 3 - 5 units

4 Fourth Semester Total Recommended Units: 13-17.5

- LIST A or B of ADT 3 - 5 units
- IGETC 5A/5C ASTR 010 & 020 4 - 4.5 units
GEOL 001 & 002, or GEOG 001 & 001L
- IGETC 3A or 3B 3 units
- UC Transferable Elective 3 units

*Depends on whether or not student took two years of the same foreign language in high school and passed with a minimum grade of c.

Courses Below May Be Taken Any Time (Fall, Spring or Summer) Total Recommended Units: 6

- HIST 017, 018, 028, 029, or 037 (IGETC 3B/American Institutions) 3 units
- ART 012, CINA 011, MUSC 013 or THEA 013 (IGETC 3A/Cross Cultural) 3 unit

Square, darker color:
Required Courses/
Courses in Discipline

Rounded, lighter color:
GE Courses/Categories

Economics

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

Program Description

This program is designed to provide an opportunity for economics majors to achieve an Associate in Arts 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.

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 and Associate in Arts in Economics for Transfer 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, 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 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.

REQUIRED COURSES	Units
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
Two Courses from List A	6-9
Required Major Total Units.....	21-24

List A: (select two courses)	Units
MATH 021 Analytic Geometry and Calculus II	5
MATH 022 Analytic Geometry and Calculus III	4
MATH 023 Differential Equations	4
MATH 040 Introduction to Linear Algebra.....	3
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

Education Department

DEGREES:

Elementary Teacher Education (AA-T)

COURSES:

[EDUC \(Education\)](#)

CONTACT INFORMATION:

School of Social and Behavioral Sciences

Building: 700 Room 729

Phone Number: (707) 864-7000 x7251

Fax Number: (707) 646-7701

Dean: Sandy Lamba

Administrative Assistant: Janet Leary

Faculty Contact:

Anthony "Tony" Ayala

Amy Obegi

Tasha Smith



P.A.C.E. - EDUCATION, BEHAVIORAL SCIENCE, AND THE SOCIAL WORLD - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to question and explore physical, biological, or cultural happenings?
- ...enjoys using your skills with words to serve people?
- ...likes to observe, learn, analyze, evaluate, or solve problems?
- ...is interested in how social systems and society works?

Education

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

Program Description

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

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

To earn the Associate in Arts in Elementary Teacher Education for Transfer, students must:

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

Program Outcomes

Students who complete the Associate in Arts in Elementary Teacher Education for Transfer will be able to:

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

REQUIRED COURSES	Units
CDFS 038 Child Growth and Development	3
EDUC 001 Elementary Teacher Education	2
OCED 090 Occupational Work Experience	1
Liberal Arts and Social Science	27
Science and Math	15
Select one course from List A	3
Select one course from List B	6
Required Major Total Units	57

LIBERAL ARTS AND SOCIAL SCIENCE	Units
COMM 001 Introduction to Public Speaking	3
ENGL 001 College Composition	4
ENGL 002 Critical Thinking and Writing About Literature	4
GEOG 004 World Geography	3
HIST 002 World History to 1500	3
HIST 017 History of the United States to 1877	3
PLSC 001 Introduction to American Government and Politics	3
ENGL 004 Critical Thinking and Composition: Language in Context	4

Education

SCIENCE AND MATH Units

BIO 015 Introduction to Biology 4
GEOL 006 Earth Science 3
GEOL 006L Earth Science Laboratory 1
MATH 055 Mathematical Concepts for
Elementary School Teachers – Number Systems 3
PHSC 012 Introduction to Principles of
Physical Science 4

List A: (Select one course)..... Units

ART 010 Art Appreciation 3
DANC 004 Dance Appreciation..... 3
MUSC 008 Music Appreciation 3
THEA 006 Introduction to Theatre 3

List B: (Select two courses) Units

CDFS 062 Introduction to Early Childhood Education:
Principles and Practices 3
CDFS 053 Teaching in a Diverse Society 3
CDFS 064 Observation and Assessment 3

Emergency Medical Technician Department

JOB-DIRECT LOW UNIT CERTIFICATE

Emergency Medical Technician

COURSES:

EMT (Emergency Medical Technician)

CONTACT INFORMATION:

School of Health Sciences

Building: 800 Room 805B

Phone Number: (707) 864-7108

Fax Number: (707) 646-2062

Dean: Sheila Hudson

Administrative Assistant: Janet Schwartz

Faculty Contact: Brian Bower



P.A.C.E. - HEALTH AND HUMAN SERVICES- A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to inform, enlighten, help, teach, counsel, or cure people?
- ...enjoys using your skills to serve people?
- ...Likes to work hands-on with objects, machines, and tools and/or use your physical or athletic abilities?
- ...is interested in working in a medical environment?

P.A.C.E. - INDUSTRIAL AND APPLIED TECHNOLOGY - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

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- ...enjoys work and play outside, including use your physical or athletic abilities?
- ...likes to follow directions to organize, plan and complete a project or task?
- ...is interested in attaining employment as soon as possible?

Emergency Medical Technician

Emergency Medical Technician I

Job-Direct Low Unit Certificate

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

Engineering Department

DEGREES

Engineering (AS)

COURSES:

[ENGR \(Engineering\)](#)

CONTACT INFORMATION:

School of Mathematics and Sciences

Building: 2700 Room 2719B

Phone Number: (707) 864-7110

Fax Number: (707) 646-2054

Dean: Joseph Ryan

Administrative Assistants:

Mathematics: Kayla Kaywood

Sciences: Kelsi Mundell

Faculty Contact: Melanie Lutz



P.A.C.E. - SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

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- ...enjoys to question and explore physical or biological happenings?
- ...likes to work hands-on with objects, machines, tools, plants, or animals?
- ...is interested in math and/or thinking analytically to solve complex problems?

Engineering

Engineering

Associate in Science

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 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.

The Associate in Science can be obtained by completing the 43-46-unit major, General Education, and electives as needed to complete a minimum of 60 units. 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
Required Major Total Units	43-46

List A: (select three courses)	Units
CIS 022 Introduction to Programming	3
DRFT 045 Introduction to Computer-Aided Drafting (CAD)	4
or	
DRFT 058 Solid Modeling with Solidworks	3
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

English Department

DEGREES

English (AA-T)

English (AA)

COURSES:

ENGL (English)

ESL (English as a Second Language)

CONTACT INFORMATION:

School of Liberal Arts

Building: 1300 **Room** 1307B

Phone Number: (707) 864-7250

Fax Number: (707) 646-2072

Dean: Neil Glines

Administrative Assistants:

Leigh Anne Jones

Donna Meyer

Faculty Contact:

Isabel Anderson

Emily Blair

Lue Cobene

Jose Cortes

Erin Farmer

Lisa Giambastiani

Christopher McBride

Sarah McKinnon

Melissa Reeve

Tracy Schneider

Jack Schouten

Joshua "Josh" Scott

Heather Watson-Perez

Michael Wyly

P.A.C.E. - VISUAL, PERFORMANCE, AND LANGUAGE ARTS - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to express yourself creatively and using imagination or intuition?
- ...enjoys feeling free to be inventive without limits?
- ...likes to inform, enlighten, help, or teach, using your skills with words and physicality to serve people?
- ...is interested in self-expression and thinking critically on the world in which we live?

Guided Pathways:

ENGLISH AA-T

Associate in Arts for Transfer | GE Pattern: IGETC | Program Total Units: 61 - 64.5

This program map represents **one possible pathway**. See a counselor to create a customized education plan. Map is for the 2021-2022 catalog year.

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

What your potential plan could look like...

1 First Semester

Total Recommended Units: 14 - 15

- ENGL 001 College Composition (IGETC 1A) 4 units
- LR 010 Introduction to Library Research 1 unit
- MATH 011 or 012 (IGETC 2B) 3 - 4 units
- ART 012, CINA 011, MUSC 013 or THEA 013 (IGETC 3A/Cross Cultural) 3 units
- COMM 001 (IGETC 1C) 3 unit

3 Third Semester

Total Recommended Units: 13-15.5

- ASL 001, FREN 001, or SPAN 001* 3 - 5 units or UC Transferable Elective
- LIST A of ADT 3 units
- LIST B of ADT 3 units
- IGETC 5B/5C Suggested: BIO 012/012L, BIO 015, BIO 016/016L 4-4.5 units

*Depends on whether or not student took two years of the same foreign language in high school and passed with a minimum grade of c.

■ Square, darker color: Required Courses/
Courses in Discipline

○ Rounded, lighter color: GE Courses/Categories

2 Second Semester

Total Recommended Units: 13

- ENGL 002 Critical Thinking & Writing about Literature (IGETC 1B) 4 units
- LIST A of ADT 3 units
- PLSC 001 or 005 (IGETC 4/American Institutions) 3 units
- IGETC 4 3 units

4 Fourth Semester

Total Recommended Units: 15

- IGETC 5A Suggested: ASTR, GEOL, GEOG 3 units
- LIST B of ADT 3 units
- LIST C of ADT 3 units
- IGETC 4 3 units
- UC Transferable Elective Suggested: List A, B, or C from ADT 3 units

Courses Below May Be Taken Any Time (Fall, Spring or Summer)

Total Recommended Units: 6

- HIST 017, 018, 028, 029, or 037 (IGETC 3B/American Institutions) 3 units
- (IGETC 3A or 3B) 3 unit

English

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

Program Description

This program 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.

Students who complete the Associate in Arts in English for Transfer 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, 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 the 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.

REQUIRED COURSES	Units
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
Required Major Total Units	19

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 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

List C: (select one course)	Units
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

English

English

Associate in Arts

Program Description

The Associate in Arts 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. in English will also satisfy the requirements for the AA-T in English. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

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 in English can be obtained by completing the twenty-five (25) units for the major, General Education, and electives as needed to complete a minimum of 60 units. 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 Associate in Arts in English 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.

English

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
Required Major Total Units.....	25

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(s) 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(s) 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

Film and Television Department

DEGREES

Film and Television (AA)

**Sports Broadcasting Certificate of Achievement see Communications Department

COURSES:

CINA (Cinema)

TV (Television)

CONTACT INFORMATION:

School of Liberal Arts

Building: 1300 **Room** 1307B

Phone Number: (707) 864-7250

Fax Number: (707) 646-2072

Dean: Neil Glines

Administrative Assistants:

Leigh Anne Jones

Donna Meyer



P.A.C.E. - VISUAL, PERFORMANCE, AND LANGUAGE ARTS - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to express yourself creatively and using imagination or intuition?
- ...enjoys feeling free to be inventive without limits?
- ...likes to inform, enlighten, help, or teach, using your skills with words and physicality to serve people?
- ...is interested in self-expression and thinking critically on the world in which we live?

Film and Television

Film and Television

Associate in Arts

Program Description

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

The Associate in Arts can be obtained upon completion of the 19–20-unit major, General Education, and electives as needed to complete a minimum of 60 units. 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 in Arts 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 COURSESUnits

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

Required Major Total Units..... 19–20

Fire Technology Department

DEGREES

Fire Technology (AS)

CERTIFICATE OF ACHIEVEMENT

Fire Technology

COURSES:

FIRE (FIRE)

CONTACT INFORMATION:

School of Applied Technology and Business

Building: 500 Room 509

Phone Number: (707) 864-7229

Fax Number: (707) 864-7190

Dean: Lisa Neeley

Administrative Assistant: Jill Crompton

Faculty Contact: Brian Preciado



P.A.C.E. - HEALTH AND HUMAN SERVICES- A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to inform, enlighten, help, teach, counsel, or cure people?
 - ...enjoys using your skills to serve people?
 - ...Likes to work hands-on with objects, machines, and tools and/or use your physical or athletic abilities?
- ...is interested in working in a medical environment?

P.A.C.E. - INDUSTRIAL AND APPLIED TECHNOLOGY - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to work hands-on with objects, machines, tools, plants, or animals?
- ...enjoys work and play outside, including use your physical or athletic abilities?
- ...likes to follow directions to organize, plan and complete a project or task?
- ...is interested in attaining employment as soon as possible?

Fire Technology

Fire Technology

Certificate of Achievement and Associate in Science

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.

The Certificate of Achievement can be obtained upon completion of the 30-45-unit major. The Associate in Science can be obtained upon completion of the major, General Education, and electives as needed to complete a minimum of 60 units. 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 in Science will be able to:

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

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

Recommended Electives: (select 12-27 units)	Units
FIRE 140 Fire Technology Academy	24
EMT 112 Emergency Medical Technician (Basic).....	7
EMT 128 Emergency Medical Responder	3
OCED 090 Occupational Work Experience	1-8

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

Foreign Languages Department

DEGREES

Foreign Languages, General (AA)

American Sign Language (AA)

French (AA)

Spanish (AA)

Spanish (AA-T)

COURSES:

[ASL \(American Sign Language\)](#)

[FLNG \(Foreign Languages\)](#)

[FREN \(French\)](#)

[SPAN \(Spanish\)](#)

CONTACT INFORMATION:

School of Liberal Arts

Building: 1300 **Room** 1307B

Phone Number: (707) 864-7250

Fax Number: (707) 646-2072

Dean: Neil Glines

Administrative Assistants:

Leigh Anne Jones

Donna Meyer

Faculty Contact:

ASL: Hui Hui "Gwen" Gallagher

French: Lorna Marlow-Muñoz

Spanish: Laura Pirott



P.A.C.E. - VISUAL, PERFORMANCE, AND LANGUAGE ARTS - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to express yourself creatively and using imagination or intuition?
- ...enjoys feeling free to be inventive without limits?
- ...likes to inform, enlighten, help, or teach, using your skills with words and physicality to serve people?
- ...is interested in self-expression and thinking critically on the world in which we live?

Guided Pathways:

FRENCH (AA)

Associate in Arts | GE Pattern: IGETC | Program Total Units: 60 - 61.5

This program map represents **one possible pathway**. See a counselor to create a customized education plan. Map is for the 2021-2022 catalog year.

Career Paths

Speech-Language Pathologist • Communication Teacher • Media and Communication • Public Relations Specialist

What your potential plan could look like...

1 First Semester

Total Recommended Units: 16 - 17

- ENGL 001
College Composition (IGETC 1A) 4 units
- LR 010
Introduction to Library Research 1 unit
- MATH 011 or 012
(IGETC 2B) 3 - 4 units
- FREN 001
First Semester French 5 units
- COMM 001, 002, or 006
(IGETC 1C) 3 unit

2 Second Semester

Total Recommended Units: 15

- ENGL 002 or 004
(IGETC 1B) 4 units
- FREN 002
Second Semester French (IGETC 3B) 5 units
- HIST 017, 018, 028, 029, or 037
(IGETC 4/American Institutions) 3 units
- PLSC 001 or 005
(IGETC 4/American Institutions) 3 units

3 Third Semester

Total Recommended Units: 15-15.5

- FREN 003
Third Semester French (IGETC 3B) 5 units
- FREN 011
Conversational French 3 units
- IGETC 5B/5C
BIO 012 & 012L, BIO 015, or BIO 016 & 016L 4 - 4.5 units
- ART 012, CINA 011, MUSC 013,
or THEA 013 (IGETC 3A/Cross-Cultural) 3 units

4 Fourth Semester

Total Recommended Units: 14

- FREN 004
Fourth Semester French 5 units
- FREN 012
Intermediate French Conversation 3 units
- IGETC 5A
Suggested: ASTR, GEOL, GEOG 3 units
- IGETC 4 3 units

Square, darker color:
Required Courses/
Courses in Discipline

Rounded, lighter color:
GE Courses/Categories

Guided Pathways:

SPANISH AA-T

Associate in Arts for Transfer | GE Pattern: IGETC | Program Total Units: 60 - 61.5

This program map represents **one possible pathway**. See a counselor to create a customized education plan. Map is for the 2021-2022 catalog year.

Career Paths

Speech-Language Pathologist • Communication Teacher • Media and Communication • Public Relations Specialist • Interpreter • Translator

What your potential plan could look like...

1 First Semester

Total Recommended Units: 16 - 17

- ENGL 001 4 units
College Composition (IGETC 1A)
- LR 010 1 unit
Introduction to Library Research
- MATH 011 or 012 3 - 4 units
(IGETC 2B)
- SPAN 001 5 units
First Semester Spanish
- COMM 001, 002, or 006 3 unit
(IGETC 1C)

2 Second Semester

Total Recommended Units: 15

- ENGL 002 or 004 4 units
(IGETC 1B)
- SPAN 002 5 units
Second Semester Spanish (IGETC 4)
- HIST 017, 018, 028, 029, or 037 3 units
(IGETC 4/American Institutions)
- PLSC 001 or 005 3 units
(IGETC 4/American Institutions)

3 Third Semester

Total Recommended Units: 15-15.5

- SPAN 003 5 units
Third Semester Spanish (IGETC 3B)
- SPAN 011 3 units
Conversational Spanish (LIST A of ADT)
- IGETC 5B/5C 4 - 4.5 units
BIO 012 & 012L, BIO 015, or BIO 016 & 016L
- ART 012, CINA 011, MUSC 013, 3 units
or THEA 013 (IGETC 3A/Cross-Cultural)

4 Fourth Semester

Total Recommended Units: 14

- SPAN 004 5 units
Fourth Semester Spanish
- UC Transferable Elective 3 units
- IGETC 5A 3 units
Suggested: ASTR, GEOL, GEOG
- IGETC 4 3 units

Square, darker color:
Required Courses/
Courses in Discipline

Rounded, lighter color:
GE Courses/Categories

Foreign Languages

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

Program Description

The Associate in Arts Degree in Spanish for Transfer 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.

Students who complete this degree will be guaranteed priority 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, 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, 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.

REQUIRED COURSES	Units
SPAN 001 First Semester Spanish	5
SPAN 002 Second Semester Spanish	5
SPAN 003 Third Semester Spanish.....	5
SPAN 004 Fourth Semester Spanish	5
One course from List A	3
Required Major Total Units.....	23

List A: (select one course)	Units
HIST 031 Mexican American/Chicano History	3
SPAN 011 Conversational Spanish	3
SJS 002 Introduction to Race and Ethnicity	3

Foreign Languages

Foreign Languages, General

Associate in Arts

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.

The Associate in Arts can be obtained by completing a minimum of 20 units from the major in the two different languages, General Education, and electives as needed to complete a minimum of 60 units. 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 in Arts 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 **Units**
Select a minimum of 20 units combined from the different languages.

American Sign Language..... **Units**

ASL 001 American Sign Language 1 3
 ASL 002 American Sign Language 2 3
 ASL 003 American Sign Language 3 3
 ASL 004 American Sign Language 4 3
 ASL 005 American Deaf Culture 3
 ASL 006 Linguistics of American Sign Language 3
 ASL 052 Fingerspelling, Classifiers, and Numbers 3
 ASL 053 Introduction to American Sign Language
 Interpreting 3
 ASL 054 ASL Interpreting Field Work 2
 and
 OCED 090 Occupational Work Experience 1

French **Units**

FREN 001 First Semester French..... 5
 or
 FREN 031 First Semester French, Part 1 3
 and
 FREN 032 First Semester French, Part 2 3
 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
 FLNG 101 Cross Age Teaching 2
 and
 OCED 090 Occupational Work Experience 1

Spanish..... **Units**

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
 FLNG 101 Cross Age Teaching 2
 and
 OCED 090 Occupational Work Experience 1

Required Major Total Units.....**20**

Foreign Languages

Foreign Languages, Individual (American Sign Language, French, or Spanish)

Associate in Arts

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.

The Associate in Arts in American Sign Language, French, or Spanish can be obtained by completing a minimum of 18 units in one of the languages, General Education, and electives as needed to complete a minimum of 60 units. 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 in Arts 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

American Sign Language (select 18 units) Units

ASL 001 American Sign Language 1	3
ASL 002 American Sign Language 2	3
ASL 003 American Sign Language 3	3
ASL 004 American Sign Language 4	3
ASL 005 American Deaf Culture	3
ASL 006 Linguistics of American Sign Language	3
ASL 052 Fingerspelling, Classifiers, and Numbers	3
ASL 053 Introduction to American Sign Language Interpreting	3
ASL 054 ASL Interpreting Field Work	2
and	
OCED 090 Occupational Work Experience	1

French (select 18 units) Units

FREN 001 First Semester French.....	5
or	
FREN 031 First Semester French, Part 1	3
and	
FREN 032 First Semester French, Part 2	3
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
FREN 049 French Honors.....	1-3
FLNG 101 Cross Age Teaching	2
and	
OCED 090 Occupational Work Experience	1

Spanish (select 18 units)..... Units

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 049 Spanish Honors	1-3
FLNG 101 Cross Age Teaching	2
and	
OCED 090 Occupational Work Experience	1

Required Major Total Units.....18

Geography Department

DEGREES

Geography (AA-T)

COURSES:

[GEOG \(Geography\)](#)

CONTACT INFORMATION:

School of Mathematics and Sciences

Building: 2700 Room 2719B

Phone Number: (707) 864-7110

Fax Number: (707) 646-2054

Dean: Joseph Ryan

Administrative Assistants:

Mathematics: Kayla Kaywood

Sciences: Kelsi Mundell

Faculty Contact: Danielle Widemann



P.A.C.E. - EDUCATION, BEHAVIORAL SCIENCE, AND THE SOCIAL WORLD - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to question and explore physical, biological, or cultural happenings?
- ...enjoys using your skills with words to serve people?
- ...likes to observe, learn, analyze, evaluate, or solve problems?
- ...is interested in how social systems and society works?

P.A.C.E. - SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to observe, learn, analyze, evaluate, or solve problems?
- ...enjoys to question and explore physical or biological happenings?
- ...likes to work hands-on with objects, machines, tools, plants, or animals?
- ...is interested in math and/or thinking analytically to solve complex problems?

Guided Pathways:

GEOGRAPHY AA-T

Associate in Arts for Transfer | GE Pattern: IGETC | Program Total Units: 61 - 64

This program map represents **one possible pathway**. See a counselor to create a customized education plan. Map is for the 2021-2022 catalog year.

Career Paths

Geography Teacher • Geographer or Geoscientist • Geospatial Information Scientist and Technologist • Geographic Information Systems Technician • Remote Sensing Scientist and Technologist • Cartographer and Photogrammetrist • City and Regional Planning

What your potential plan could look like...

1 First Semester

Total Recommended Units: 12 - 13

- ENGL 001 4 units
College Composition (IGETC 1A)
- LR 010 1 unit
Introduction to Library Research
- MATH 011 or 012 3 - 4 units
(IGETC 2B)
- GEOG 001 3 units
Physical Geography (IGETC 5A)
- GEOG 001L 1 unit
Physical Geography Lab (IGETC 5C)

2 Second Semester

Total Recommended Units: 16

- ENGL 002 or 004 4 units
(IGETC 1B)
- GEOG 010 3 units
Intro to Geographic Information Systems
- HIST 017, 018, 028, 029, or 037 3 units
(IGETC 3B/American Institutions)
- COMM 001, 002, or 006 3 units
(IGETC 1C)
- UC Transferable Elective 3 units

3 Third Semester

Total Recommended Units: 12-14

- ANTH 002 3 units
Cultural Anthropology (IGETC 4)
- GEOG 004 3 units
World Geography (IGETC 4)
- GEOL 001 3 units
Physical Geography
- ASL 001, FREN 001, or 3 - 5 units
SPAN 001, or UC Transferable Elective*

*Depends on whether or not student took two years of the same foreign language in high school and passed with a minimum grade of c.

4 Fourth Semester

Total Recommended Units: 15

- GEOG 002 3 units
Cultural Geography (IGETC 4)
- IGETC 5B Suggested: ANTH 001, 3 units
BIO 012, 016, 018, 020, OR 025
- PLSC 001 or 005 3 units
(IGETC 4/American Institutions)
- UC Transferable Elective 3 units
- UC Transferable Elective 3 units

Courses Below May Be Taken Any Time
(Fall, Spring or Summer)

Total Recommended Units: 6

- ART 012, CINA 011, MUSC 013, or THEA 013 3 units
(IGETC 3A/Cross-Cultural)
- (IGETC 3A or 3B) 3 unit

■ Square, darker color:
Required Courses/
Courses in Discipline

● Rounded, lighter color:
GE Courses/Categories

Geography

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

Program Description

Solano Community College offers an Associate in Arts in Geography for Transfer to introduce students to principles, theory, and applied methods of spatial analysis in studying both the natural and human environment. 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. 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.

The Associate in Arts in Geography for Transfer is especially designed for students who plan to complete a bachelor's degree in Geography or similar major at a CSU campus. Students completing an Associate in Arts in Geography for Transfer 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 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 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, 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 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.

REQUIRED COURSES	Units
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
Required Major Total Units	19

Geology Department

DEGREES

The Geology Department introduces students to the methods of science as well as the fundamentals of geology. Geology is the study of Earth – its interior and its 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.

COURSES:

GEOL (Geology)

CONTACT INFORMATION:

School of Mathematics and Sciences

Building: 2700 Room 2719B

Phone Number: (707) 864-7110

Fax Number: (707) 646-2054

Dean: Joseph Ryan

Administrative Assistants:

Mathematics: Kayla Kaywood

Sciences: Kelsi Mundell

Faculty Contact: Danielle Widemann



History Department

DEGREES

History (AA-T)

COURSES:

HIST (History)

CONTACT INFORMATION:

School of Social and Behavioral Sciences

Building: 700 Room 729

Phone Number: (707) 864-7000 x7251

Fax Number: (707) 646-7701

Dean: Sandy Lamba

Administrative Assistant: Janet Leary

Faculty Contact:

Michelle Arce



P.A.C.E. - EDUCATION, BEHAVIORAL SCIENCE, AND THE SOCIAL WORLD - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to question and explore physical, biological, or cultural happenings?
- ...enjoys using your skills with words to serve people?
- ...likes to observe, learn, analyze, evaluate, or solve problems?
- ...is interested in how social systems and society works?

Guided Pathways:

HISTORY AA-T

Associate in Arts for Transfer | GE Pattern: IGETC | Program Total Units: 61 - 64.5

This program map represents **one possible pathway**. See a counselor to create a customized education plan. Map is for the 2021-2022 catalog year.

Career Paths

History Teacher, Secondary and Postsecondary • Historian •
Curator • Archaeologist

What your potential plan could look like...

1 First Semester

Total Recommended Units: 14 - 15

- ENGL 001 College Composition (IGETC 1A) 4 units
- LR 010 Introduction to Library Research 1 unit
- MATH 011 or 012 (IGETC 2B) 3 - 4 units
- COMM 001, 002, or 006 (IGETC 1C) 3 units
- HIST 017 History of the US to 1865 (IGETC 4/American Institutions) 3 units

3 Third Semester

Total Recommended Units: 12-14

- HIST 003 or 005 (IGETC 3B) 3 units
- HIST 037 Women in American History (IGETC 3B/Cross-Cultural) 3 units
- IGETC 5A ASTR, GEOL, or GEOG 3 units
- ASL 001, FREN 001, or SPAN 001, or UC Transferable Elective * 3 - 5 units

*Depends on whether or not student took two years of the same foreign language in high school and passed with a minimum grade of c.

Square, darker color: Required Courses/
Courses in Discipline

Rounded, lighter color: GE Courses/Categories

2 Second Semester

Total Recommended Units: 14-14.5

- ENGL 002 or 004 (IGETC 1B) 4 units
- IGETC 5B/5C BIO 012 & 012L, BIO 015, or BIO 016 & 016L 4-4.5 units
- HIST 002 or 004 (IGETC 3B) 3 units
- HIST 018 History of the US from 1865 (IGETC 4/American Institutions) 3 units

4 Fourth Semester

Total Recommended Units: 15

- HIST Any course from LIST I, II, or III of the ADT 3 units
- PLSC 001 or 005 (IGETC 4/American Institutions) 3 units
- UC Transferable Elective # 3 units
- UC Transferable Elective 3 units
- UC Transferable Elective 3 units

Courses Below May Be Taken Any Time (Fall, Spring or Summer)

Total Recommended Units: 6

- IGETC 3A 3 units
- UC Transferable Elective 3 units

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. Students in this program may study a variety of historical fields including United States, World, Western Civilization, African-American, Mexican-American, California and Women's History.

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 in History for Transfer 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 History 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, 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 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.

REQUIRED COURSES Units

HIST 017 History of the United States to 1877 3

HIST 018 History of the United States from 1865..... 3

HIST 002 World History to 1500 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

One course from List A or B..... 3

One course from List A, B or C..... 3

Required Major Total Units.....18

List A: World History (if not already used)..... Units

HIST 002 World History to 1500 3

HIST 003 Modern World History 3

List B: Ethnicity and Gender Studies..... Units

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

List C: United States..... Units

(any course from this or other lists not already used)

HIST 010 California History 3

HIST 004 History of Western Civilization to 1500 3

HIST 005 History of Western Civilization Since 1500 3

Horticulture Department

DEGREES

Horticulture and Plant Science (AS)

CERTIFICATES OF ACHIEVEMENT

Horticulture and Plant Science

JOB-DIRECT LOW UNIT CERTIFICATES

Landscape Designer

Landscape Technician

COURSES:

HORT (Horticulture)

CONTACT INFORMATION:

School of Mathematics and Sciences

Building: 2700 Room 2719B

Phone Number: (707) 864-7110

Fax Number: (707) 646-2054

Dean: Joseph Ryan

Administrative Assistants:

Mathematics: Kayla Kaywood

Sciences: Kelsi Mundell

Faculty Contact: Sandra Diehl

P.A.C.E. - SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to observe, learn, analyze, evaluate, or solve problems?
- ...enjoys to question and explore physical or biological happenings?
- ...likes to work hands-on with objects, machines, tools, plants, or animals?
- ...is interested in math and/or thinking analytically to solve complex problems?

Horticulture

Horticulture and Plant Science

Certificate of Achievement and Associate in 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.

The Certificate of Achievement can be obtained by completing the 23-unit major. The Associate in Science can be obtained by completing the 23-unit major, General Education, and electives as needed to complete a minimum of 60 units. 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 in Science 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
Required Major Total Units	23

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

Landscape Designer

Job-Direct Low Unit Certificate

REQUIRED COURSES	Units
HORT 006 Identification and Ecology of Landscape Plant Materials	4
HORT 030 Landscape Design I	3
HORT 031 Landscape Design II	3
HORT 050 Introduction to Horticulture	3
Total Units	13

Landscape Technician

Job-Direct Low Unit Certificate

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
Total Units	11

Humanities Department

DEGREES

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. 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.

COURSES:

[HUMN \(Humanities\)](#)

CONTACT INFORMATION:

School of Liberal Arts

Building: 1300 **Room** 1307B

Phone Number: (707) 864-7250

Fax Number: (707) 646-2072

Dean: Neil Glines

Administrative Assistants:

Leigh Anne Jones

Donna Meyer



Human Services Department

DEGREES

Human Services (AA)

CERTIFICATES OF ACHIEVEMENT

Human Services

COURSES:

[HS \(Human Services\)](#)

CONTACT INFORMATION:

School of Social and Behavioral Sciences

Building: 700 Room 729

Phone Number: (707) 864-7000 x7251

Fax Number: (707) 646-7701

Dean: Sandy Lamba

Administrative Assistant: Janet Leary

Faculty Contact: Saki Cabrera



P.A.C.E. - HEALTH AND HUMAN SERVICES- A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to inform, enlighten, help, teach, counsel, or cure people?
- ...enjoys using your skills to serve people?
- ...Likes to work hands-on with objects, machines, and tools and/or use your physical or athletic abilities?
- ...is interested in working in a medical environment?

Human Services

Human Services

Certificate of Achievement and Associate in Arts

Program Description

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

The Certificate of Achievement can be obtained upon completion of the 23-unit major. The Associate in Arts can be obtained upon completion of the 23-unit major, General Education, and electives as needed to complete a minimum of 60 units. 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 in Arts will be able to:

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

REQUIRED COURSES Units

(listed in recommended sequence)

HS 001 Introduction to Human Services.....	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
Required Major Total Units.....	23

***See Counseling section for COUN course descriptions*

UPDATED IN ADDENDUM

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

Interdisciplinary Studies

DEGREES

Interdisciplinary Studies:
Science and Quantitative Reasoning (AA)

Interdisciplinary Studies:
Wellness and Self Development (AA)

CONTACT INFORMATION:

Counseling

Building: 400 Room 404

Phone Number: (707) 864-7101

Email: counseling@solano.edu

Dean: Kristin Conner



Interdisciplinary Studies

Interdisciplinary Studies: Science and Quantitative Reasoning

Associate in Arts

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 program includes courses in areas such as computer science, math, and science.

The Associate in Arts can be obtained by completing a minimum of 18-units in the major, General Education, and electives as needed to complete a minimum of 60 units. 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 Interdisciplinary Studies: Science and Quantitative Reasoning Associate in Arts 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

6 units from Science and/or Quantitative Reasoning

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

Required Major Total Units.....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

Quantitative Reasoning

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

Interdisciplinary Studies

Wellness and Self Development

Associate in Arts

Program Description

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

The Associate in Arts can be obtained by completing the 18-unit major, General Education, and electives as needed to complete a minimum of 60 units. 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. Apply the theories of Wellness and Self Development with attention to personal, professional growth and vocational/life purpose.
2. Apply understanding of personal self and others to gain insight in both a psychological and biological perspective, thereby, enhancing personal wellness and community relationships.
3. Acquire a knowledge base that encourages lifelong learning for students to effectively adapt to a complex and changing society.

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

WELLNESS

Required (select a minimum of one course)..... Units

HED 002 Health Education	3
HED 003 Women's Health Issues.....	3
KINE 057 Introduction to Sports Psychology	3
NUTR 010 Nutrition.....	3

Electives

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

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

SELF DEVELOPMENT

Required (select a minimum of one course)..... Units

COUN 005 Career-Life Planning.....	3
COUN 007 College Study Techniques	3
COUN 015 Valuing Diversity	3
COUN 023 Psychology for Modern Life	3
PSYC 020 Personal and Social Behavior.....	3

Electives

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

Journalism Department

DEGREES

Journalism (AA-T)
Journalism (AA)

COURSES

JOUR (Journalism)

CONTACT INFORMATION:

School of Liberal Arts

Building: 1300 **Room** 1307B

Phone Number: (707) 864-7250

Fax Number: (707) 646-2072

Dean: Neil Glines

Administrative Assistants:

Leigh Anne Jones

Donna Meyer



P.A.C.E. - VISUAL, PERFORMANCE, AND LANGUAGE ARTS - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to express yourself creatively and using imagination or intuition?
- ...enjoys feeling free to be inventive without limits?
- ...likes to inform, enlighten, help, or teach, using your skills with words and physicality to serve people?
- ...is interested in self-expression and thinking critically on the world in which we live?

Guided Pathways:

JOURNALISM (AA-T)

Associate in Arts for Transfer | GE Pattern: CSU GE | Program Total Units: 62 - 62.5

This program map represents **one possible pathway**. See a counselor to create a customized education plan. Map is for the 2021-2022 catalog year.

Career Paths

Broadcast News Analyst • Communications or Journalism Teacher •
Photographer • Proofreader and Copy Marker • Reporter or Correspondent •
Radio and Television Announcer

What your potential plan could look like...

1 First Semester

Total Recommended Units: 15

- ENGL 001 College Composition (IGETC 1A) 4 units
- LR 010 Introduction to Library Research 1 unit
- MATH 011 Introduction to Statistics (CSU GE B4) 4 units
- JOUR 001 Newswriting and Reporting 3 units
- ART 012, CINA 011, MUSC 013, or THEA 013 (CSU GE C1/Cross-Cultural) 3 unit

3 Third Semester

Total Recommended Units: 15

- HIST 003 or 005 (IGETC 3B) 3 units
- COMM 006 Argumentation and Debate 3 units
- CSU GE B1 ASTR, GEOL, or GEOG 3 units
- HIST 017, 018, 028, 029, or 037 (CSU GE C2/American Institutions) 3 units
- UC Transferable Elective 3 units

Square, darker color:
Required Courses/
Courses in Discipline

Rounded, lighter color:
GE Courses/Categories

2 Second Semester

Total Recommended Units: 14-14.5

- ENGL 002 or 004 (CSU GE A3) 4 units
- COMM 001 or 002 (CSU GE A1) 3 units
- JOUR 011 Intro to Mass Communication (CSU GE D) 3 units
- BIO 012 & 012L, 015 or 016 & 016L (CSU GE B2/B3) 4-4.5 units

4 Fourth Semester

Total Recommended Units: 12

- JOUR 061 Publications Laboratory II 3 units or PHOT 056 Photojournalism
- PLSC 001 or 005 (CSU D/American Institutions) 3 units
- CSU GE C1 or C2 Suggested: ENGL 006 or 058 3 units
- CSU GE D Suggested: PSYC 001 or SOC 001 3 units

Courses Below May Be Taken Any Time
(Fall, Spring or Summer)

Total Recommended Units: 6

- CSU GE E 3 units
- UC Transferable Elective 3 unit

Journalism

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 in Journalism for Transfer 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 are guaranteed priority admission to the CSU system, but not to a particular campus or major.

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 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.

REQUIRED COURSES Units

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
Required Major Total Units.....	18-19

List A: (select one course): Units

JOUR 061 Publications Laboratory II	3
PHOT 056 Photojournalism & Documentary Photography.....	3

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

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

Journalism

Journalism

Associate in Arts

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.

The Associate in Arts can be obtained upon completion of the 24-unit major, General Education, and electives as needed to complete a minimum of 60 units. 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 in Arts 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.

REQUIRED COURSES	Units
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
Required Major Total Units	24

List B: (select a minimum of 3 units)	Units
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
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

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:

List A: (select a minimum of 3 units)	Units
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

List C (select a minimum of 3 units)	Units
OCED 090 Occupational Work Experience	1-8
Any modern foreign language	

Kinesiology Department

DEGREES

Kinesiology (AA-T)
Sports Medicine/Athletic Training (AS)
Dance (AA) see Dance Department

COURSES

ATHL (Athletics)
DANC (Dance)
HED (Health Education)
KINE (Kinesiology)
SPMD (Sports Medicine)

CONTACT INFORMATION:

School of Health Sciences

Building: 800 Room 805B
Phone Number: (707) 864-7108
Fax Number: (707) 646-2062

Dean: Sheila Hudson

Administrative Assistant: Janet Schwartz

Faculty Contact:

Matt Borchert	Curtiss Brown
Ginger Cain	Jeff Cardinal
Kevin Marks	John Nagle
Scott Parrish	Terri Pearson-Bloom
Scott Stover	Darla Williams

INTERCOLLEGIATE ATHLETICS

Building: 1700A Room 1734
Phone Number: (707) 864-7119
Fax Number: (707) 646-2084

Athletic Director: Erik Visser
Assistant Athletic Director: Alison Aubert

Administrative Assistant: Melissa Pegg

P.A.C.E. - HEALTH AND HUMAN SERVICES- A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to inform, enlighten, help, teach, counsel, or cure people?
- ...enjoys using your skills to serve people?
- ...Likes to work hands-on with objects, machines, and tools and/or use your physical or athletic abilities?
- ...is interested in working in a medical environment?

P.A.C.E. - SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to observe, learn, analyze, evaluate, or solve problems?
- ...enjoys to question and explore physical or biological happenings?
- ...likes to work hands-on with objects, machines, tools, plants, or animals?
- ...is interested in math and/or thinking analytically to solve complex problems?

Guided Pathways:

KINESIOLOGY (AA-T)

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

This program map represents **one possible pathway**. See a counselor to create a customized education plan. Map is for the 2021-2022 catalog year.

Career Paths

Physical or Occupational Therapist • Exercise Physiologist • Sports Administrator • Fitness Coach/Trainer

What your potential plan could look like...

1 First Semester

Total Recommended Units: 16

- ENGL 001 College Composition (IGETC 1A) 4 units
- LR 010 Introduction to Library Research 1 unit
- MATH 011 Introduction to Statistics (CSU GE B4) 4 units
- KINE 020A Introduction to Kinesiology 3 units
- UC Transferable Elective 3 units
- Movement-based Course Max one per group* 3 units

3 Third Semester

Total Recommended Units: 15

- COMM 006 Argumentation and Debate 3 units
- CSU GE B1 ASTR, GEOL, or GEOG 3 units
- HIST 017, 018, 028, 029, or 037 (CSU GE C2/American Institutions) 3 units
- Movement-based Course Max one per group* 3 units

Square, darker color:
Required Courses/
Courses in Discipline

Rounded, lighter color:
GE Courses/Categories

2 Second Semester

Total Recommended Units: 15

- ENGL 002 or 004 (IGETC 1B) 4 units
- BIO 016 Intro to Human Biology (List A) 3 units
- CHEM 012 or 001 (IGETC 5A/5C) 5 units
- IGETC 3A or 3B 3 units

4 Fourth Semester

Total Recommended Units: 12

- BIO 005 Human Physiology 5 units
- ART 012, CINA 011, MUSC 013, or THEA 013 (IGETC 3A/Cross-Cultural) 3 units
- (IGETC 4) Suggested: PSYC 001 3 units
- Movement-based Course Max one per group* 1 unit

Courses Below May Be Taken Any Time
(Fall, Spring or Summer)

Total Recommended Units: 6

- COMM 001, 002, or 006 (IGETC 1C) 3 units
- HIST 017, 018, 028, 029, or 037 (CSU GE C2/American Institutions) 3 units

*Max one Movement-based Course per group:
Aquatics, Combatives, Dance, Fitness,
Individual, or Team.

Kinesiology

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

Program Description

The Associate in Arts in Kinesiology for Transfer is designed to provide a seamless transfer pathway for students interested in pursuing at least one Kinesiology degree option in the CSU system. Students who earn the Associate in Arts in Kinesiology for Transfer will receive guaranteed priority admission to the CSU system, but not to a particular campus or major.

Successful completion of the Associate in Arts in Kinesiology for Transfer 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, 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 will be able to:

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

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

List A: (select two courses, only one from same subject such as CHEM or PHYS)	Units
BIO 016 Introduction to Human Biology	3
CHEM 001 General Chemistry	5
CHEM 012 Chemistry for Health Services.....	5
KINE 020S Advanced First Aid and Emergency Care.....	3
MATH 011 Elementary Statistics.....	4
PHYS 002 General Physics (Non-calculus)	5
PHYS 006 Physics for Science and Engineering.....	5

Kinesiology

MOVEMENT-BASED COURSES

Aquatics: (maximum of one course) Units

KINE 002A Beginning Swimming	1
KINE 002B Intermediate Swimming	1
KINE 002D Swim for Fitness	1

Combatives: (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

Dance: (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

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 009B Indoor/Outdoor Soccer.....	1
KINE 009C Intermediate Soccer.....	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

Kinesiology

Sports Medicine/Athletic Training

Associate in Science

Program Description

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

The Associate in Science can be obtained upon completion of the 25-unit major, General Education, and electives as needed to complete a minimum of 60 units. 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 in Science 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.

REQUIRED COURSES	Units
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
Required Major Total Units	25

Learning Resources

DEGREES

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.

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.

COURSES

[LR \(Learning Resources\)](#)

CONTACT INFORMATION:

Library

Building: 100, Library

Phone Number: (707) 864-4519

Email: scclibrary@solano.edu



Liberal Studies

DEGREES

Liberal Studies(AA)

CONTACT INFORMATION:

Counseling

Building: 400 Room 404

Phone Number: (707) 864-7101

Email: *counseling@solano.edu*

Dean: Kristin Conner



Liberal Studies

Liberal Studies

Associate in Arts

Program Description

This program is designed to broaden students 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 in Arts. This program provides opportunities for students who are exploring degree options and are not yet certain about their specific degree goals at the four-year level.

The Associate in Arts can be obtained by completing the 23-25-unit major, General Education, and electives as needed to complete a minimum of 60 units. 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 Liberal Studies Associate in Arts 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 Introduction to 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

Mathematics Department

DEGREES

Mathematics (AS-T)

COURSES

MATH (Mathematics)

CONTACT INFORMATION:

School of Mathematics and Sciences

Building: 2700 Room 2719B

Phone Number: (707) 864-7110

Fax Number: (707) 646-2054

Dean: Joseph Ryan

Administrative Assistants:

Mathematics: Kayla Kaywood

Sciences: Kelsi Mundell

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Kevin Brewer

Joseph "Joe" Conrad

Sarah Donovan

Carlos Esteve

Thomas "Tom" Grube

Susanna Gunther

Zak Hannan

Alan Jian

Will Martinelli

Svetlana Podkolzina

Genele Rhoads

Randy Robertson

Kheck Sengmany

Mary Anne Valch

Dmitriy Zhiv

P.A.C.E. - SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to observe, learn, analyze, evaluate, or solve problems?
- ...enjoys to question and explore physical or biological happenings?
- ...likes to work hands-on with objects, machines, tools, plants, or animals?
- ...is interested in math and/or thinking analytically to solve complex problems?

Guided Pathways:

MATHEMATICS (AS-T)

Associate in Science for Transfer | GE Pattern: IGETC | Program Total Units: 63-67.5

This program map represents **one possible pathway**. See a counselor to create a customized education plan. Map is for the 2021-2022 catalog year.

Career Paths

Mathematician • Mathematics or Mathematical Science Teacher •

Mathematical Technician • Statistician

What your potential plan could look like...

1

First Semester

Total Recommended Units: 16

- ENGL 001 College Composition (IGETC 1A) 4 units
- LR 010 Introduction to Library Research 1 unit
- MATH 020 Analytic Geometry & Calculus I (IGETC 2) 5 units
- ART 012, CINA 011, MUSC 013, or THEA 013 (IGETC 3A/Cross-Cultural) 3 units
- HIST 017, 018, 028, 029, or 037 (CSU GE C2/American Institutions) 3 units

3

Third Semester

Total Recommended Units: 12-14

- MATH 022 Analytic Geometry and Calculus III 4 units
- MATH 040 Introduction to Linear Algebra 5 units
- ASL 001, FREN 001, or SPAN 001, or UC Transferable Elective * 3 - 5 units

*Depends on whether or not student took two years of the same foreign language in high school and passed with a minimum grade of c.

Square, darker color: Required Courses/
Courses in Discipline

Rounded, lighter color: GE Courses/Categories

2

Second Semester

Total Recommended Units: 15

- ENGL 002 or 004 (IGETC 1B) 4 units
- MATH 021 Analytic Geometry and Calculus II 5 units
- IGETC 4 3 units
- IGETC 3A or 3B 3 units

4

Fourth Semester

Total Recommended Units: 14-16.5

- MATH 023 Intro to Ordinary Differential Equations 4 - 5 units
- PLSC 001 or 005 (IGETC 4/American Institutions) 3 units
- IGETC 5B Suggested: BIO 012, 016, 018, 020, OR 025 3 units
- IGETC 5A/5C ASTR 010 & 020, GEOL 001 & 002, GEOG 001 & 001L 4 - 4.5 units

Courses Below May Be Taken Any Time (Fall, Spring or Summer)

Total Recommended Units: 6

- COMM 001, 002, or 006 (IGETC 1C) 3 units
- IGETC 4 3 units

Mathematics

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.

The Associate in Science in Mathematics for Transfer is especially appropriate for students who plan to complete a bachelor's degree in Mathematics at a CSU campus. Students completing the 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, 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 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 COURSESUnits

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

Music Department

DEGREES

Music (AA-T)
Music-Instrumental (AA)
Music-Vocal (AA)

COURSES

MUSC (Music)

CONTACT INFORMATION:

School of Liberal Arts

Building: 1300 **Room** 1307B

Phone Number: (707) 864-7250

Fax Number: (707) 646-2072

Dean: Neil Glines

Administrative Assistants:

Leigh Anne Jones

Donna Meyer

Faculty Contact:

Kristy Juliano

Teri Yumae



P.A.C.E. - VISUAL, PERFORMANCE, AND LANGUAGE ARTS - A PATHWAY FOR ACADEMIC AND CAREER EXCELLENCE AT SOLANO COMMUNITY COLLEGE

ARE YOU THE KIND OF PERSON WHO...

- ...desires to express yourself creatively and using imagination or intuition?
- ...enjoys feeling free to be inventive without limits?
- ...likes to inform, enlighten, help, or teach, using your skills with words and physicality to serve people?
- ...is interested in self-expression and thinking critically on the world in which we live?

Guided Pathways:

MUSIC AA-T

Associate in Arts for Transfer | GE Pattern: IGETC | Program Total Units: 62-62.5

This program map represents **one possible pathway**. See a counselor to create a customized education plan. Map is for the 2021-2022 catalog year.

Career Paths

Music Therapist • Musician • Music Director • Music Instructor •
Music Composer and Arranger • Sound Engineer

What your potential plan could look like...

1 First Semester

Total Recommended Units: 13.5

- ENGL 001 College Composition (IGETC 1A) 4 units
- LR 010 Introduction to Library Research 1 unit
- MATH 011 or 012 (IGETC 2B) 4 units
- COMM 001 Intro to Public Speaking (IGETC 1C) 1 unit
- COMM 012 Intercultural Comm (IGETC 4/Cross-cultural) 3 units
- COMM 012 Intercultural Comm (IGETC 4/Cross-cultural) .5 units

3 Third Semester

Total Recommended Units: 15.5-16

- MUSC 003 Advanced Theory I 4 units
- MUSC 040C Applied Music III .5 units
- ENSEMBLE COURSE 3 of 4 Required 1 unit
- IGETC 5A/5C Suggested: 4-4.5 units
ASTR 010 & 020, GEOL 001 & 002, or GEOG 001/ 001L
- HIST 017, 018, 028, 029, or 037 (IGETC 3B/American Institutions) 3 units
- ART 012, CINA 011, MUSC 013, or THEA 013 (IGETC 3A/Cross-Cultural) 3 units

Courses Below May Be Taken Any Time (Fall, Spring or Summer)

Total Recommended Units: 6

- COMM 001, 002, or 006 (IGETC 1C) 3 units
- IGETC 4 3 units

2 Second Semester

Total Recommended Units: 12.5

- ENGL 002 or 004 (IGETC 1B) 4 units
- MATH 012 Quantitative Reasoning (IGETC 2B) 3 units
- MUSC 002 Beginning Theory II 4 units
- MUSC 040B Applied Music II .5 units
- ENSEMBLE COURSE 2 of 4 Required 1 unit

4 Fourth Semester

Total Recommended Units: 14.5

- MUSC 004 Advanced Theory II 4 units
- ENSEMBLE COURSE 4 of 4 Required 1 unit
- MUSC 040D Applied Music IV .5 units
- PLSC 001 or 005 (IGETC 4/American Institutions) 3 units
- IGETC 5B Suggested: BIO 012, 016, 018, 020, OR 025 3 units
- IGETC 4 3 units

Square, darker color: Required Courses/ Courses in Discipline

Rounded, lighter color: 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 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 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 are guaranteed priority 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, 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 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

REQUIRED COURSES	Units
MUSC 005 Music Fundamentals.....	3
MUSC 001 Beginning Theory I.....	4
MUSC 002 Beginning Theory II	4
MUSC 003 Advanced Theory I	4
MUSC 008 Music Appreciation.....	3
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
Required Major Total Units.....	24

LARGE ENSEMBLE COURSES	Units
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

Music

Music-Instrumental

Associate in Arts

Program Description

This program gives students the opportunity to gain the skills and knowledge needed as preparation for careers in music. 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.

The Associate in Arts can be obtained by completing the 27-28-unit major, General Education, and electives as needed to complete a minimum of 60 units. 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 Music-Instrumental Associate in Arts 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 005 Music Fundamentals	3
MUSC 041A Music Majors Piano	1
MUSC 041B Music Majors Piano	1
One course from List A	1
Two courses from List B	2-3
One course from List C	3
Three units from list D (One performance ensemble each semester).....	3
Required Major Total Units	27-28

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
MUSC 030 Intermediate Piano Part II.....	1
MUSC 031 Class Lessons in Woodwinds.....	1
MUSC 032 Class Lessons in Brass	1
MUSC 033 Class Lessons in Strings	1
MUSC 034 Class Lessons in Percussion.....	1.5
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
MUSC 042B Jazz and Pop Piano	1

List C: (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
MUSC 045 History of Rap and Hip-Hop	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 021 Chorus.....	1
MUSC 024 Master Works Chorale	1

*If not used in List A

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

Associate in Arts

Program Description

This program gives students the opportunity to gain the skills and knowledge needed as preparation for careers in music. 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.

The Associate in Arts can be obtained by completing the 27-unit major, General Education, and electives as needed to complete a minimum of 60 units. 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 Music-Vocal Associate in Arts 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 005 Music Fundamentals	3
MUSC 041A Music Majors Piano	1
MUSC 041B Music Majors Piano	1
MUSC 024 Master Works Chorale	1
or	
MUSC 025 Chamber Choir	1
Two courses from List A	2
One course from List B	3
Three units from List C (One performance ensemble each semester).....	3
Required Major Total Units	27

List A: (select two courses)	Units
MUSC 029 Intermediate Piano Part I.....	1
MUSC 030 Intermediate Piano Part II.....	1
MUSC 035A Beginning Voice I	1
MUSC 035B Beginning Voice II	1
MUSC 036A Intermediate Voice I	1
MUSC 036B Intermediate Voice II	1
MUSC 051 Jazz and Popular Solo voice	1

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
MUSC 045 History of Rap and Hip-Hop.....	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	1

*If not used in Required Courses

MUSC 027 recommended the first semester of enrollment for students who do not have strong music reading skills. Please consult with an instructor