

# Nursing Department

## DEGREES

Registered Nursing (AS)

## JOB-DIRECT LOW UNIT CERTIFICATES

Certified Nursing Assistant

## COURSES

NURS (Nursing)

## 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:

Joyce Averett

Erin Craig

Debbie Dorrough

Myra Kargbo

Maire Morinec

Glenn Burgess

Vitalis Ememmuo

Elizabeth Freed

Marivic Macalino

## 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?

# Nursing

## Registered Nursing

Associate in Science Degree

### Program Description

The Registered Nursing Program at Solano Community College is a 2-year Associate Degree Program fully approved by the CA Board of Registered Nursing and is subject to its regulations regarding the education and training of nurses. Successful completion of the program qualifies the student to apply to the National Council Licensing Examination (NCLEX-RN) to become a Registered Nurse. The practice of nursing requires knowledge of the biological, behavioral, and physical sciences, as well as knowledge of, and the ability to speak, to read, and to write the English language proficiently. This program follows the policy of non-discrimination set forth by the Governing Board of Solano Community College.

The Associate in Science Degree is awarded upon successful completion of the major and general education requirements. 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 Registered Nursing Associate Degree will be able to:

1. Synthesize principles of the nursing process and critical thinking to assist individuals, families and communities to achieve positive adaptation to change in health or a peaceful death.
2. Integrate technology and evidence-based concepts of nursing practice across the health care continuum to ensure quality patient centered care.
3. Educate patients, families, and communities in health promotion behaviors that increase health and wellness and decrease disease and illness in populations and communities

### Retention in Program:

1. Students are required to undergo criminal background checks and drug screens. The School of Health Sciences may be unable to place students in a clinical setting if they have a positive criminal background check or drug screen; therefore, the student may be dropped from the nursing program.
2. If a student's conduct poses potential harm to the well-being of clients or is disruptive to the classroom or lab environment, the student may be dropped from the nursing program.
3. If a student's physical or emotional health appears to be such that they cannot meet the objectives of the program in nursing, the student may be asked to drop the nursing program.
4. In order to remain in the program and to graduate, the student must maintain a minimum grade of C in the theory and the clinical portions of the nursing program. The student must maintain a median grade of 75% or higher for each course.
5. Maintain current CPR, TB screening, clear criminal background check and drug screen.

*In accordance with state law, the California Board of Registered Nursing (BRN) may deny licensure to an individual for crimes substantially related to the practice of nursing. Upon acceptance to the nursing program, any student who has had a conviction related to sex crimes, drug crimes (including DUI) and crimes of violence may need to contact the BRN regarding his/her status.*

### REQUIRED COURSES

#### First Semester Courses (First Year) ..... Units

NURS 071A Foundations of Nursing I*	6
NURS 071B Foundations of Nursing II*	6
NURS 071S Nursing Simulation Skills Lab I	2

#### Second Semester Courses (First Year) ..... Units

NURS 072A Medical/Surgical I and Geriatrics*	5
NURS 072B Maternal/Neonatal Nursing*	5
NURS 072S Nursing Skills Lab II	2

#### Third Semester Courses (Second Year) ..... Units

NURS 073 Issues and Leadership in Health Care Today..	2
NURS 073A Medical/Surgical II*	5
NURS 073B Psychiatric and Mental Health Nursing*	5
NURS 073S Nursing Simulation and Skills Lab III	1

#### Fourth Semester Courses (Second Year) ..... Units

NURS 074A Medical/Surgical III*	6
NURS 074B Pediatric Nursing*	5
NURS 074S Nursing Simulation and Skills Lab IV	1

*\*Concurrent enrollment in corresponding Skills Lab required.*

# Nursing

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## REQUIREMENTS FOR ADMISSION TO THE PROGRAM

1. Graduation from an accredited high school in the United States or successful completion of the General Education Development (GED) or California High School Proficiency Exam (CHSPE) per requirements of the Nurse Practice Act, Title 16, California Code of Regulations, Section 1412, prior to time of application.
  - Applicants with a high school diploma from a school outside the United States must have transcripts evaluated by a National Association of Credential Evaluation Service (NACES) approved independent agency.
  - Applicants who possess an Associate or Arts/ Associate of Science degree or higher from a regionally accredited college in the U.S. are exempt from the educational requirements stated above.
  - Applicants who have attended college outside the United States must have transcripts evaluated by a NACES approved independent agency, demonstrating equivalency to an AA/AS degree or higher from a U.S. regionally accredited college.
2. A Composite Score of 73% or greater. This is calculated using the applicant's College GPA, Core Biology GPA, English GPA and the applicant's Core Biology Repetitions (This includes grades of D or less and W's on the applicant's transcript).

3. Completion of Registered Nursing Program Prerequisites

## REGISTERED NURSING PROGRAM PREREQUISITES

*A minimum grade of C in the following pre-major and general education courses*

BIO 004 Human Anatomy.....	4
BIO 005 Human Physiology .....	4
BIO 014 Principles of Microbiology .....	4
ENGL 001 College Composition.....	4
CDFS 070 Lifespan Human Development.....	3
NUTR 010 Nutrition.....	3
NURS 052 Pharmacology for Nursing.....	3
PSYC 001 Introduction to Psychology.....	3
One course from Critical Thinking.....	3-4
<b>Critical Thinking: (select one course) .....</b>	<b>Units</b>
COMM 001 Introduction to Public Speaking.....	3
COMM 002 Fundamentals of Persuasive Speaking.....	3
COMM 006 Argumentation and Debate .....	3
ENGL 002 Critical Thinking and Writing About Literature .....	4

*Complete all general education requirements (SCC GE, IGETC, or CSU) or hold an Associates or Bachelors degree from a regionally accredited institution in the United States.*

4. Students are required to take the "Test of Essential Academic Skills (TEAS)" developed by the Assessment Technologies Institute. A minimum passing composite score of 62% is required within the first two (2) attempts. Further information can be found on the [www.atitesting.com](http://www.atitesting.com) website regarding TEAS preparation, registration and testing.
5. First-time applicants are strongly encouraged to meet with an SCC counselor before August of the application year to obtain a *Nursing Pre-Major and General Education Requirement Check Sheet* and document completion of all eligibility requirements. Call (707) 864-7101 or go online to schedule an appointment.

# Nursing

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## APPLICATION / ACCEPTANCE TO THE PROGRAM

Currently the Registered Nursing Program admits applicants once per year. Applications are accepted online. Check the SCC Nursing website for specific details and deadlines. <http://www.solano.edu/health/disciplines.php#nursing>

The Registered Nursing Program at Solano Community College is impacted; there are more students who apply than can be accepted into the program. Selection is based on a randomized lottery selection process. Returning qualified applicants will have their name included into the appropriate pool for each time they apply to SCC's Registered Nursing program for three (3) consecutive years. If an applicant who has not been selected after 3 years applies a fourth time, they will automatically be offered a spot, as long as they still meet the requirements for entry. Only applicants who meet and complete the application criteria will be considered for admission. Meeting these requirements does not guarantee acceptance into the program. If a qualified applicant is not chosen, they may apply during the following application period.

Once accepted to the Nursing Program, students, at their own expense, must provide the following:

- Health History and Report of Medical Examination with required titers/inoculations.
- Background check and drug screening
- Current American Heart Association BLS for Healthcare Providers card.
- Compliance with specific healthcare partner requirements.

Students accepted for entry into the Nursing Program are required to attend a mandatory information meeting. Date, time, and location will be provided in the acceptance packet.

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## APPLICATION GUIDELINES

**COMPLETE:** All pre-major and General Education courses must be completed before submitting an SCC Registered Nursing Application. Transcripts with courses in progress at the time of application will be voided or not accepted. Please refer to the SCC nursing website for more information.

**APPLY:** Applications for admission to Solano Community College are submitted online via CCCApply.

- ✓ Applicants who have never attended SCC must submit a CCCApply application. Go to the SCC home page, [www.solano.edu](http://www.solano.edu), and click on the yellow "APPLY NOW!" button
  - **Note:** Returning SCC students who did not attend last semester must complete a new CCCApply application to SCC before accessing the Registered Nursing Application.
- ✓ **STUDENT ID NUMBER:** After submitting a CCCApply application, allow 30 minutes for processing. An email will be sent to the email address provided in the application and it will include the applicant's SCC ID number, username and password for the applicant's MySolano account. An SCC email address will then be available; this address must be used for all correspondence and when applying to the Registered Nursing program itself.
  - When completing a CCCApply application to Solano, if an applicant already has an SCC ID number, the system will re-activate the same ID number. After this step, the applicant can complete the online Registered Nursing application.
- ✓ **MYSOLANO EMAIL ACCOUNT:** All correspondence regarding SCC application status will be sent to the email address provided in the CCCApply application. The student's MySolano student email address is required when establishing the Registered Nursing application account online. Students must use the MySolano email address for all communications going forward and should check frequently for important messages from the College and/or the program.

# Nursing

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## COUNSELING SERVICES FOR FIRST-TIME NURSING APPLICANTS

An appointment with an SCC Counselor is strongly encouraged to obtain and complete a *Nursing Pre-Major and General Education Requirement Check Sheet* to document completion of all eligibility requirements. This check sheet is especially important when coursework by the applicant has not been completed at SCC. A copy of this document can be found at <http://www.solano.edu/health/disciplines.php#nursing>

NOTE: If the applicant has earned an Associates or Bachelors degree from a regionally accredited institution in the US or Canada, their General Education (GE) requirements are complete. A Counselor can help determine if they have met all the requirements.

✓ **COUNSELING APPOINTMENT:** To book an appointment use the online booking system at [http://www.solano.edu/counseling/counseling\\_locations.php](http://www.solano.edu/counseling/counseling_locations.php) or call (707) 864-7101 to schedule an appointment with a Counselor. If the applicant has 15 or more units from other colleges, they will need to schedule a one-hour appointment with an SCC Counselor. During the appointment, the Counselor will work with the applicant to review the *Nursing Pre-Major and General Education Requirement Check Sheet*, petitioning of course equivalencies and degree completion requirements. The applicant must bring all transcripts from other colleges to this appointment, if they have not been submitted previously. While this appointment is not required, it is strongly encouraged so that the applicant can be confident they have met the requirements prior to application.

✓ **GENERAL COUNSELING:** For general counseling questions, go to [www.solano.edu/counseling/](http://www.solano.edu/counseling/)

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## APPLY TO THE REGISTERED NURSING PROGRAM AT SOLANO COMMUNITY COLLEGE

- ✓ Complete the Nursing Application available on the Registered Nursing website during an open application period (September 1 through September 30 every year for a Fall start the following academic year).
  - Applicants must have SCC ID number, *Nursing Pre-Major and General Education Requirement Check Sheet* – signed and dated by an SCC Counselor if met with one, MySolano email address, and proof of high school graduation.
  - All required information for admission to the Registered Nursing program **MUST** be uploaded to the application.

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## ONCE THE APPLICATION IS SUBMITTED

- ✓ **EMAIL ACCOUNT:** All correspondence regarding the application status will be sent to the applicant's MySolano email address. It is required that the applicant's MySolano student email address be used when establishing an application account online and for all communications going forward. Applicants should check their MySolano email frequently for important messages from the College and/or the Program. Applicants will not receive phone verification regarding their status. Send any changes of address to [registered.nurse@solano.edu](mailto:registered.nurse@solano.edu) and update online in MySolano.
- ✓ **PERMANENT ADDRESS:** The Program may send letters via U.S. Postal Service to the applicant's permanent address as provided in their application. Send any changes of address to [registered.nurse@solano.edu](mailto:registered.nurse@solano.edu) and update online in MySolano.
- ✓ New applications will be evaluated following the close of the open application period. Applicants should expect to receive notification of their status in February.

# Nursing

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## LVN to RN Program

The policies and procedures for the Solano Community College LVN to RN program are currently under revision. Interested individuals can obtain more information and future updates at:

<http://www.solano.edu/health/disciplines#mobility>

### LVN to RN Thirty-Unit Option

#### Thirty-Unit Option

By choosing this option students would:

- complete a total of 29-30 units.
- not be a graduate of an Associate Degree Program.
- not be a graduate of the Solano Community College Nursing Program and may not wear the school pin.
- be eligible for licensure in California and may not be eligible for licensure in other states.

#### Prerequisites

- BIO 004 - Human Anatomy (5 units)
- BIO 005 - Introductory Physiology (5 units)
- BIO 014 - Principles of Microbiology (4 units)

Additional information will be posted on the Program website:

<http://www.solano.edu/health/disciplines#mobility>

Please note: LVNs wishing to become RNs are also eligible and encouraged to apply to the generic RN Program or A.D.N. track where matriculation would begin during the 1st semester with A.D.N. cohort at Solano Community College. Interested individuals can obtain more information about the A.D.N. program at:

<http://www.solano.edu/health/disciplines#nursing>

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## Certified Nursing Assistant

*Job-Direct Low Unit Certificate*

Required Courses .....	Units
NURS 103 Certified Nursing Assistant .....	6.5
<b>Total Units .....</b>	<b>6.5</b>

# Nutrition Department

## DEGREES

Nutrition (AS-T)

## COURSES

[NUTR \(Nutrition\)](#)

## 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:

Ingeborg Bourdon

Robin Sytsma



**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...

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- ...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?

# Guided Pathways: NUTRITION (AS-T)

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

Dietitian • Nutritionist • Animal Scientist • Fitness and Wellness

## What your potential plan could look like...

### 1 First Semester

Total Recommended Units: 14

- ENGL001 College Composition (IGETC 1A) 4 units
- LR 010 Introduction to Library Research 1 unit
- MATH 011 Statistics (IGETC 2B) 4 units
- NUTR 010 Nutrition 3 units

### 2 Second Semester

Total Recommended Units: 15

- ENGL 002 or 004 (IGETC 1B) 4 units
- ART 012, CINA 011, MUSC 013, or THEA 013 (IGETC 3A/Cross-Cultural) 3 units
- CHEM 001 General Chemistry (IGETC 5A/C) 5 units
- PSYC 001 Introduction to Psychology (IGETC 4) 3 units

### 3 Third Semester

Total Recommended Units: 12-16

- ART 003A or ART 003B Art of Asia or Art of Africa, Oceania, and Americas 5 units
- IGETC 3A or 3B 3 units
- UC Transferable Elective Suggested: Kinesiology 1 - 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.

### 4 Fourth Semester

Total Recommended Units: 13

- BIO 014 Microbiology 4 units
- PLSC 001 or 005 (IGETC 4/American Institutions) 3 units
- ANTH 002, PSYC 002, or SOC 001 (IGETC 4) 3 units
- UC Transferable Elective 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
- HIST 017, 018, 028, 029, or 037 (IGETC 3B/American Institutions) 3 unit

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

● Rounded, lighter color: GE Courses/Categories

# Nutrition

## Associate in Science in Nutrition for Transfer (A.S.-T)

### Program Description

This program is designed to meet the general education requirements at California State Universities and prepare students for a Bachelor of Science degree in Nutrition and Food Science. The program will prepare individuals to integrate and apply the principles of the food and nutrition sciences, human behavior, and the biomedical sciences to design and manage effective nutrition programs. Students will learn how to utilize food for human growth and development in a variety of settings including health care organizations, food service operations, business and industry (product development, marketing, consulting), education and research, health promotion and private practice counseling.

The Associate in Science in Nutrition for Transfer is designed to prepare students for transfer into the CSU system to complete a Bachelor of Science in Nutrition. Students who earn the Associate in Science in Nutrition for Transfer will receive guaranteed priority admission to the CSU system, but not to a particular campus or major. Once admitted the student will only be required to complete 60 additional upper-division units to qualify for a BA degree.

To earn the Associate in Science in Nutrition for Transfer, students must:

1. Completion of 60 semester units or 90 quarter 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.

ADTs also require that students earn a minimum grade of C in all courses required for the major or area of emphasis.

### Program Outcomes

Upon completion of the A.S.-T in Nutrition students will be able to:

1. Explain the principles of nutrition and its effect on health and wellness.
2. Analyze a diet for adequacy, balance, and moderation.
3. Demonstrate an understanding of the relationships between chemistry, biology and nutrition

<b>REQUIRED COURSES</b> .....	<b>Units</b>	<b>List B: (select one or two courses**)</b> .....	<b>Units</b>
BIO 014 Principles of Microbiology .....	4	BIO 004 Human Anatomy .....	5
NUTR 010 Nutrition .....	3	or	
PSYC 001 Introduction to Psychology .....	3	BIO 005 Human Physiology .....	5
One or Two courses from List A.....	5-10	CHEM 002 General Chemistry II .....	5
One or Two courses from List B** .....	4-10	CHEM 003 Organic Chemistry .....	5
One course from List C .....	3	MATH 011 Elementary Statistics.....	4
<b>Required Major Total Units</b> .....	<b>27-28</b>	<b>List C:</b> .....	<b>Units</b>
<b>List A:</b> (select one to two courses).....	<b>Units</b>	ANTH 002 Cultural Anthropology .....	3
CHEM 001 General Chemistry I .....	5	PSYC 002 Biological Psychology .....	3
or		SOC 001 Introduction to Sociology.....	3
CHEM 001 General Chemistry I .....	5		
and			
CHEM 002 General Chemistry II .....	5		

\*\*select one course if CHEM 001 + CHEM 002 is completed in List A or select two courses if only CHEM 001 is completed in List A.

# Occupational Education Department

## JOB-DIRECT LOW UNIT CERTIFICATE

Soft Skills for Technicians

## COURSES

OCED (Occupational Education)

## 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:**

Debra Berrett



**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?

# Occupational Education

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## Soft Skills for Technicians

*Job-Direct Low Unit Certificate*

<b>REQUIRED COURSES</b> .....	<b>Units</b>
OCED 070 Occupational Soft Skills .....	1.5
OCED 071 Occupational Portfolio Development .....	1.5
IT 140 Industrial Materials.....	3
IT 151 Vocational Mathematics .....	3
3 units from List A .....	3
<b>Total Units</b> .....	<b>12</b>

<b>List A: (select 3 units)</b> .....	<b>Units</b>
A TEC 070 Automotive Fundamentals .....	3
CIS 001 Introduction to Computer Science .....	3
CIS 050 Microcomputer Applications .....	3
DRFT 079 Blueprint Reading.....	3
IT 050 Alternative Energy Technologies.....	3
IT 101 Introduction to Mechatronics.....	3
IT 110 Modern Welding.....	3
OCED 090 Occupational Work Experience .....	3
OCED 091 General Work Experience .....	3

# Philosophy Department

## DEGREES

The philosophy program consists of one comprehensive survey course augmented by special courses in critical thinking, ethics, political philosophy, and religion. All constitute a basic and well-rounded introduction to philosophy. Each course presumes no prior study of philosophy. 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

[PHIL \(Philosophy\)](#)

## 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



# Photography Department

## DEGREES

Professional Photography (AA)

## CERTIFICATES OF ACHIEVEMENT

Photo Illustration

Professional Photography

## COURSES

PHOT (Photography)

## 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:** Sarah Barsness



**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?

# Photography

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## Photography, Professional

*Certificate of Achievement and Associate in Arts*

### Program Description

Pre-employment training in professional photography is designed to prepare students for self-employment and employment in the private and public sectors and covers a broad spectrum of photographic fields, e.g., advertising illustration, industrial, portraiture, medical, commercial, photojournalism, and landscape.

The Certificate of Achievement can be obtained upon completion of the 24-unit major. The Associate in Arts Degree can be obtained by completing the 24-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 Photography, Professional Certificate of Achievement/Associate Degree will be able to:

1. Demonstrate full knowledge of the technical aspects of photography, including camera operations, exposure, lighting, and post-production, including software applications and printing.
2. Integrate conceptual elements with aesthetic and technical skills to create cohesive and memorable photographs.
3. Conceive and produce a coherent portfolio of original work that meets department and professional industry standards.
4. Demonstrate an understanding of industry trends and professional practices related to a career in photography.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
PHOT 029 Introduction to Photography .....	3
PHOT 071 Digital Imaging .....	3
PHOT 151 Professional Photography: Introduction .....	3
PHOT 156 Portfolio Development .....	3
6 units from List A.....	6
6 units from List B .....	6
<b>Required Major Total Units</b> .....	<b>24</b>

<b>List A:</b> (select 6 units) .....	<b>Units</b>
PHOT 152 Professional Photography: Portraiture .....	3
PHOT 153 Professional Photography: Product and Advertising .....	3
PHOT 154 Professional Photography: Interior & Exterior .....	3

<b>List B</b> (select 6 units) .....	<b>Units</b>
PHOT 030 Beginning Film Photography .....	3
PHOT 031 Intermediate Photography .....	3
PHOT 035 Art of Photography .....	3
PHOT 040 Alternative Photography.....	3
PHOT 045 DSLR Videography.....	3
PHOT 056 Photojournalism & Documentary Photography .....	3
PHOT 161 Workshop: Camera Intensive.....	1
PHOT 162 Workshop: Portraiture and Studio Lighting ...	1
PHOT 163 Landscape and Nature Photography .....	1

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

# Photography

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## Photo Illustration

*Certificate of Achievement*

### Program Description

Students learn a range of photographic, design and graphic design skills, including camera operation, light control, principles of color and composition for 2 dimensional work, and a range of industry standard software programs and applications. Professional practices and career paths are explored and all students complete a portfolio of work to prepare them for entry into the job market.

### Career Opportunities

Social media content manager, web development and management, retouching, photo editor, advertising and promotional designer.

A Certificate of Achievement can be obtained upon completion of the 24-unit major. 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 Photography, Professional Certificate of Achievement/Associate Degree will be able to:

1. Professional level proficiency in utilizing photography and graphic design to create expressive original works, appropriate for use in various applications including fashion and editorial, advertising and fine art.
2. Working knowledge of current graphic design and photographic software programs, including specific understanding of the strengths and appropriate applications of each program and an ability to work between the programs for strong outcomes.
3. Complete a professional portfolio and accompanying promotional materials appropriate for use in seeking employment in areas of design and media, such as advertising, editorial and fashion production, fine art and social media.

<b>REQUIRED COURSES</b>	<b>Units</b>
ART 007 Design Color .....	3
ART 054A Graphic Design I .....	3
ART 046 Illustration I .....	3
PHOT 029 Introduction to Photography .....	3
PHOT 032 Digital Imaging .....	3
PHOT 158 Photo Illustration .....	3
One course from Photo Electives .....	3
One course from Graphic Design and Art Electives .....	3
<b>Required Major Total Units</b> .....	<b>24</b>

<b>Photo Electives: (select one course)</b>	<b>Units</b>
PHOT 031 Intermediate Photography .....	3
PHOT 045 DSLR Videography .....	3
<b>Graphic Design and Art Electives</b> .....	<b>Units</b>
ART 045B Graphic Design II .....	3
ART 045C Typography.....	3
ART 046C Illustration II .....	3

# UPDATED IN ADDENDUM

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

# Physical Science Department

## DEGREES

Physical Science (AS)

## COURSES

PHSC (Physical Science)

## 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



**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?

# Physical Science

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## Physical Science

*Associate in Science*

### Program Description

This program provides students the opportunity to investigate methods of scientific inquiry, and to gain scientific knowledge, through specialization in one or more Physical Science disciplines that align with their personal interests, such as Physics, Chemistry, Astronomy, and Geology. Crucially, students taking this degree will also gain an understanding of the factors that affect the Earth's climate, and will thereby develop a deep understanding of the important issue of Climate Change, which will allow them to be knowledgeable global citizens. Students will develop critical thinking skills, learn to communicate effectively in writing, and acquire an understanding of major scientific concepts. Through course options, students will employ methods of scientific inquiry to understand the world around them. Completion of the degree requirements will prepare students with the skills and resources needed to facilitate academic and career decisions.

The Associate in Science Degree can be obtained by completing the 34-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. Describe physical phenomena in multiple forms (verbal, pictorial, graphical, and mathematical).
2. Qualitatively and quantitatively predict, analyze and/or explain the behavior of physical systems using fundamental physical principles and models.
3. Develop and implement a plan of collecting and/or accessing experimental data, and performing data analysis

### REQUIRED COURSES ..... Units

CIS 001 Introduction to Computer Science .....	3
MATH 011 Elementary Statistics .....	4
PHSC 013 Weather and Climate .....	3
PHSC 014 Atmospheric Science Laboratory .....	1
Option 1 or 2 .....	10
13 Units from List A .....	13
<b>Required Major Total Units .....</b>	<b>34</b>

### Option 1 ..... Units

CHEM 001 General Chemistry I .....	5
CHEM 002 General Chemistry II .....	5

### Option 2 ..... Units

PHYS 002 General Physics (Non-calculus) .....	5
PHYS 004 General Physics (Non-calculus) .....	5

### List A (select 13 units) ..... Units

Any course(s) not used from Option 1 or 2 .....	
ASTR 010 General Astronomy .....	3
ASTR 020 Astronomy Laboratory .....	1
ASTR 040 Stars, Galaxies, and Cosmology .....	3
ASTR 045 Introduction to Astrobiology and the Search for Life in the Universe .....	3
ASTR 050 Astronomical Optics .....	1
CHEM 010 Intermediate Chemistry .....	4
GEOL 001 Physical Geology .....	3
GEOL 002 Geology Laboratory .....	1
GEOL 006 Earth Science .....	3
GEOL 006L Earth Science Laboratory .....	1
PHSC 012 Introduction to Principles of Physical Science .....	4
PHSC 015 Global Climate Change .....	3
PHSC 016 Natural Disasters .....	3

# Physics Department

## DEGREES

Physics (AS-T)  
Physics (AS)

## COURSES

PHYS (Physics)

## 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:**

Zach Hannan

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...

- ...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:

## PHYSICS AS-T

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

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

Physics Teacher • Physicist • Nanosystems Engineer •  
Atmospheric, Earth, Marine, or Space Scientist

### 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
- IGETC 4 3 units
- ART 012, CINA 011, MUSC 013, or THEA 013 (IGETC 3A/Cross-Cultural) 3 units
- MATH 020 Analytic Geometry and Calculus I (IGETC 2) 5 units

#### 3 Third Semester

Total Recommended Units: 13

- COMM 006 Argumentation and Debate 5 units
- PHYS 007 Physics for Science & Engineering (Offered In Fall Only) 5 units
- PLSC 001 or 005 (IGETC 4/American Institutions) 3 units

Square, darker color:  
Required Courses/  
Courses in Discipline

Rounded, lighter color:  
GE Courses/Categories

#### 2 Second Semester

Total Recommended Units: 14

- ENGL 002 or 004 (IGETC 1B) 4 units
- MATH 021 Analytic Geometry and Calculus II 5 units
- PHYS 006 Physics for Science and Engineering (IGETC 5A/5C) 5 units

#### 4 Fourth Semester

Total Recommended Units: 12

- PHYS 008 Physics for Science & Engineering (Offered In Spring Only) 5 units
- IGETC AREA 3A or 3B 3 units
- IGETC AREA 5B 3 units
- IGETC AREA 4 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
- HIST 017, 018, 028, 029, or 037 (CSU GE C2/American Institutions) 3 units

# Physics

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## Associate in Science in Physics for Transfer (ADT: A.S.-T)

### Program Description

The focus of this program is on developing an understanding of and appreciation for the basic laws of our physical universe. This is done largely through the development of conceptual understanding, problem-solving skills, and laboratory investigations. The PHYS 006, 007, 008 sequence is a three-semester offering in introductory physics requiring math through calculus. This sequence satisfies the lower division physics requirement for majors in physics, chemistry, geology or other physical sciences, and engineering. PHYS 006 is a study of mechanics, gravitation, vibration and fluids. In PHYS 007, students will cover the topics of electricity, magnetism, wave motion, and sound. In PHYS 008, students will cover heat, optics, relativity, and modern physics. Students will learn to analyze and solve problems appropriate for this level. Experiments relating to the topics covered will be performed.

The Associate in Science in Physics for Transfer, will prepare students for a baccalaureate degree in physics. It consists of the courses necessary for beginning physics students to be able to succeed in the upper division physics courses that they will encounter in the CSU system, or any institution (such as the UC system) that grants an undergraduate physics degree. Students who earn the Associate in Science will receive guaranteed priority admission to the CSU system, but not to a particular campus or major. Once admitted the student will only be required to complete 60 additional upper-division units to qualify for a bachelor's degree.

### To earn the Associate in Science in Physics 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 Science in Physics for Transfer will be able to:

1. Demonstrate analytical and/or conceptual problem solving skills related to the study of Physics.
2. Carry out experiments and critically assess data. Students will learn the role of hypothesis, measurement, and analysis in the development of scientific theory, as evidenced by laboratory reports.
3. Write a professional scientific laboratory report.

<b>REQUIRED COURSES</b> .....	<b>Units</b>
PHYS 006 Physics for Science and Engineering.....	5
PHYS 007 Physics for Science and Engineering.....	5
PHYS 008 Physics for Science and Engineering.....	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
<b>Required Major Total Units.....</b>	<b>29</b>

# Physics

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## Physics

*Associate in Science*

### Program Description

The focus of this program is on developing an understanding of and appreciation for the basic laws of our physical universe. This is done largely through the development of conceptual understanding, problem solving skills, and laboratory investigations.

The Associate in Science can be obtained by completing the 35-39-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 Physics Associate in Science will be able to:

1. Demonstrate analytical and/or conceptual problem solving skills related to the study of Physics.
2. Carry out experiments and critically assess data. Students will learn the role of hypothesis, measurement, and analysis in the development of scientific theory, as evidenced by laboratory reports.
3. Write a professional scientific laboratory report.

### REQUIRED COURSES ..... Units

PHYS 006 Physics for Science and Engineering .....	5
PHYS 007 Physics for Science and Engineering .....	5
PHYS 008 Physics for Science and Engineering .....	5
MATH 020 Analytic Geometry and Calculus I .....	5
MATH 021 Analytic Geometry and Calculus II .....	5
MATH 023 Differential Equations .....	4
One course from Biological Science .....	3-5
One course from Physical Science .....	3-5

**Required Major Total Units .....35-39**

### Biological Science (select one course) ..... Units

BIO 002 Principles of Cell and Molecular Biology .....	5
BIO 003 Evolution, Ecology & Biodiversity .....	5
BIO 005 Human Physiology .....	5
BIO 012 Environmental Science .....	3
BIO 014 Principles of Microbiology .....	4
BIO 015 Introduction to Biology .....	4
BIO 016 Introduction to Human Biology .....	3
BIO 018 Biology of Sex .....	3

### Physical Science (select one course) ..... Units

ASTR 010 General Astronomy .....	3
ASTR 020 Astronomy Laboratory .....	1
ASTR 030 The Solar System .....	3
ASTR 040 Stars, Galaxies, and Cosmology .....	3
CHEM 001 General Chemistry I .....	5
CHEM 002 General Chemistry II .....	5
CHEM 003 Organic Chemistry I .....	5
CHEM 004 Organic Chemistry II .....	5
CHEM 010 Intermediate Chemistry .....	4
CHEM 011 Basic Organic Chemistry and Biochemistry .....	4
GEOG 001 Physical Geography .....	3
GEOG 001L Physical Geography Laboratory .....	1
GEOL 001 Physical Geology .....	3
GEOL 002 Geology Laboratory .....	1
GEOL 005 Geology of California .....	3
PHSC 012 Introduction to the Principles of Physical Science .....	4

# Political Science Department

## DEGREES

Political Science (AA-T)

## COURSES

PLSC (Political Science)

## 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:**

Thomas Bundenthal

Joel Powell



**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:

# POLITICAL SCIENCE (AA-T)

Associate in Arts for Transfer | GE Pattern: IGETC | Program Total Units: 62 - 65.5

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

Political Scientist • Political Science Teacher • Pre-Law/Law Pathway

## 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 Elementary Statistics (IGETC 2B) 4 units
- HIST 017, 018, 028, 029, or 037 (IGETC 3B/American Institutions) 3 units
- UC Transferable Elective Suggested: COUN 007 3 unit

### 3 Third Semester

Total Recommended Units: 13-16.5

- PLSC 002 Intro to Comparative Politics (IGETC 4) 3 units
- PLSC 004 Introduction to International Politics 3 units
- IGETC 5B/5C Suggested BIO 012 & 012L, BIO 015, or BIO 016 & 016L 4-4.5 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: 13

- ENGL 004 Critical Thinking Comp (IGETC 1B/CCPLS) 4 units
- PLSC 001 Intro to American Government & Politics (IGETC 4) 3 units
- ART 012, CINA 011, MUSC 013, or THEA 013 (IGETC 3A/Cross-Cultural) 3 units
- IGETC 1C Suggested: COMM 006 3 units

### 4 Fourth Semester

Total Recommended Units: 15

- IR 001 or PLSC 003 Global Interdependence 3 units
- PLSC 006, 016, or 019 3 units
- IGETC 5A Suggested: ASTR, GEOL, GEOG 3 units
- IGETC 3A or 3B 3 units
- IGETC 4 3 units

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

Total Recommended Units: 6

- UC Transferable Elective 3 units
- UC Transferable Elective 3 units

# Political Science

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

### Program Description

This program examines the theory and practice of government and the powerful personalities that affect governmental decisions. This interplay of individual citizens, public leaders, elections, and world events make political inquiry relevant today. The program provides a broad base for the analysis of how government resolves social conflict within the United States and around the world.

Upon completion of the Associate in Arts in Political Science for Transfer, students will be eligible to transfer to a CSU undergraduate Political Science program. The Associate in Arts in Political Science for Transfer Degree will facilitate successful transfer to the CSU system, Students who earn the A.A.-T will receive guaranteed priority admission to the CSU system, but not to a particular campus or major

### To earn the Associate in Arts in Political Science 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 Political Science for Transfer will be able to:

1. Develop theory and content knowledge of political science.
2. Comprehend, analyze, and evaluate academic literature in political science.
3. Create original work and/or research in political science.

### REQUIRED COURSES .....Units

PLSC 001 Introduction to American Government and Politics .....	3
Three courses from List A.....	9-10
Two courses from List B.....	6-7
<b>Required Major Total Units .....</b>	<b>18-20</b>

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

PLSC 002 Introduction to Comparative Government .....	3
PLSC 003 Introduction to International Politics .....	3
PLSC 006 Basic Concepts in Political Thought.....	3
MATH 011 Elementary Statistics.....	4
PLSC 004 Introduction to Political Science .....	3

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

Any List A course not used	
PLSC 005 Constitutional Rights in a Multicultural Society .....	3
PLSC 007 International Relations.....	3
PLSC 016 The American Legal System .....	3
PLSC 019 Human Rights and Sexual Orientation .....	3

# Psychology Department

## DEGREES

Psychology (AA-T)  
Psychology (AA)

## COURSES

PSYC (Psychology)

## 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:

Sabine Bolz

Saki Cabrera

Mary Gotch

LaNae Jaimez

## 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. - 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?

## PSYCHOLOGY AA-T

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

Clinical Psychologist • School Psychologist • Industrial-Organizational Psychologist • Neuropsychologist and Clinical Neuropsychologist • Psychology Teacher • Rehabilitation Counselor

### What your potential plan could look like...

**1**

#### First Semester

Total Recommended Units: 14

- ENGL 001** 4 units  
College Composition (IGETC 1A)
- LR 010** 1 unit  
Introduction to Library Research
- PSYC 001** Intro to Psychology (IGETC 4) 3 units
- COMM 001, 002, or 006** 3 units  
(IGETC 1C)
- UC Transferable Elective** 3 unit  
Suggested: HS 001 Intro to Human Services

**3**

#### Third Semester

Total Recommended Units: 15-17

- ASL 001, FREN 001, or SPAN 001\*** 3 - 5 units  
or UC Transferable Elective
- PSYC 004** 3 units  
Research Methods in Behavioral Science
- PSYC LIST B of ADT** 3 units
- IGETC 5A** 3 units  
Suggested: ASTR, GEOL, GEOG
- UC Transferable Elective** 3 unit

\*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

- ENGL 002 or 004** 4 units  
(IGETC 1B)
- MATH 011** 4 units  
Elementary Statistics (IGETC 2B)
- PSYC 002** 3 units  
Biological Psychology (IGETC 4)
- ART 012, CINA 011, MUSC 013, or THEA 013** 3 units  
(IGETC 3A/Cross-Cultural)

**4**

#### Fourth Semester

Total Recommended Units: 13

- BIO 015 (L), or BIO 016 and BIO 016L** 4 units  
(IGETC 5B/5C)
- UC Transferable Elective** 3 units  
Suggested: SOC 001 or ANTH 002
- PLSC 001 or 005** 3 units  
(IGETC 4/American Institutions)
- IGETC 3A or 3B** 3 units

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

Total Recommended Units: 6

- HIST 017, 018, 028, 029, or 037** 3 units  
(IGETC 3B/American Institutions)
- UC Transferable Elective** 3 unit

# Psychology

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

### Program Description

This program provides a broad overview of psychology as a science of human behavior and mental processes. The program emphasizes critical thinking, skeptical inquiry and the scientific approach to understanding major theories, methods, and research in psychology. In addition, personal, social, and organizational areas are explored.

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

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

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

### Program Outcomes

Students who complete the Associate in Arts in Psychology for Transfer will be able to:

1. Demonstrate an understanding of the major theories in psychology.
2. Produce an APA formatted research proposal.
3. Demonstrate an ability to apply psychological concepts to everyday life.

### REQUIRED COURSES ..... Units

PSYC 001 Introduction to Psychology .....	3
PSYC 002 Biological Psychology .....	3
MATH 011 Elementary Statistics.....	4
PSYC 004 Research Methods in Behavioral Science .....	3
One course from List A .....	3-4
One course from List B .....	3

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

BIO 015 Introduction to Biology .....	4
BIO 016 Introduction to Human Biology .....	3

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

PSYC 005 Abnormal Psychology .....	3
PSYC 006 Developmental Psychology .....	3
PSYC 007 Cross-Cultural Psychology .....	3
PSYC 012 Introduction to Gender .....	3
PSYC 020 Personal and Social Behavior .....	3
PSYC 030 Introduction to Social Psychology .....	3
PSYC 034 Human Sexual Behavior .....	3
PSYC 040 Drugs, Society & Behavior.....	3

# Psychology

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## Psychology

*Associate in Arts*

### Program Description

This program provides a broad overview of psychology as a science of human behavior and mental processes. The program emphasizes critical thinking, skeptical inquiry and the scientific approach to understanding major theories, methods, and research in psychology. In addition, personal, social, and organizational areas are explored.

The Associate in Arts can be obtained by completing the 22-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 Psychology Associate will be able to:

1. Demonstrate an understanding of the major theories in psychology.
2. Produce an APA formatted research proposal.
3. Demonstrate an ability to apply psychological concepts to everyday life.

<b>REQUIRED COURSES</b>	<b>Units</b>
PSYC 001 Introduction to Psychology	3
PSYC 002 Biological Psychology	3
MATH 011 Elementary Statistics	4
PSYC 004 Research Methods in Behavioral Science	3
Three courses from List A	9
<b>Required Major Total Units</b>	<b>22</b>

<b>List A: (select three courses)</b>	<b>Units</b>
PSYC 005 Abnormal Psychology	3
PSYC 006 Developmental Psychology	3
PSYC 007 Cross-Cultural Psychology	3
PSYC 012 Introduction to Gender	3
PSYC 020 Personal and Social Behavior	3
PSYC 030 Introduction to Social Psychology	3
PSYC 034 Human Sexual Behavior	3
PSYC 040 Drugs, Society, & Behavior	3
HS 001 Introduction to Human Services	3

# Real Estate Department

## DEGREES

Real Estate (AS)

## CERTIFICATES OF ACHIEVEMENT

Real Estate

## COURSES

RE (Real Estate)

## 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:** Adrienne Cary



**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?

# Real Estate

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## Real Estate

*Certificate of Achievement and Associate in Science*

### Program Description

This program offers courses needed to qualify for the state of California salesperson license examination as well as for the broker's examination. A full range of real estate courses is offered including real estate finance, appraisals, etc. The courses are taught by qualified real estate professionals.

The Certificate of Achievement can be obtained by completing the 24-25-unit major. The Associate in Science can be obtained by completing the 24-25-unit major, General Education, and electives as needed to complete a minimum of 60 units. All courses for this major have been approved by the California Department of Real Estate and 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 Real Estate Certificate of Achievement/Associate in Science will be able to:

1. Analyze common real estate problems, apply appropriate solutions, and interpret outcomes.
2. Meet career preparation goals, as well as prepare for a state licensing exam.
3. Explain the process for making home purchase or sale decisions and completing real estate transactions.
4. Demonstrate mastery of program-specific concepts and skills (e.g. understand theory and application in real estate finance, investments, property management and financial institutions).

<b>REQUIRED COURSES</b>	<b>Units</b>
RE 164 Real Estate Principles	3
RE 172 Real Estate Practice	3
RE 173 Legal Aspects of Real Estate	3
RE 174 Real Estate Finance	3
RE 175 Principles of Appraisal	3
One course from List A	3
Two courses from List B	6-7
<b>Required Major Total Units</b>	<b>24-25</b>

<b>List A: (select one course)</b>	<b>Units</b>
RE 171 Real Estate Economics	3
ECON 001 Principles of Economics (Macroeconomics)	3
ECON 002 Principles of Economics (Microeconomics)	3
<b>List B: (select two courses)</b>	<b>Units</b>
ACCT 001 Principles of Accounting - Financial	4
BUS 018 Legal Environment of Business	3
RE 176 Advanced Residential Appraisal Practice	3
RE 177 Income Property Appraisal and Analysis	3

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

# Science, General

## DEGREES

Science, General (AA)

## 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



## 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?

# Science, General

## Science, General

Associate in Arts

### Program Description

This program is designed to provide students with a basic science background, preparing them to move into a curriculum at a four-year institution leading to a degree in such fields as chemistry, biology, physics, geology, or health sciences. This program is a path for immediate entry into science-based technology careers.

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 Science, General Associate in Arts will be able to:

1. Demonstrate analytical and/or conceptual problem solving skills.
2. Carry out experiments and critically assess their data.
3. Understand the role of hypotheses, measurement and analysis in the development of scientific theory as evidence by laboratory reports.
4. Write a laboratory report or give an oral presentation.

### REQUIRED COURSES ..... Units

12 Units of Laboratory Courses\*\*

Minimum one course from Biological Science

Minimum one course from Physical Science

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

#### Biological Science

BIO 002** Principles of Cell and Molecular Biology	5
BIO 003** Evolution, Ecology, & Biodiversity	5
BIO 004** Human Anatomy	5
BIO 005** Introductory Physiology	5
BIO 012 Environmental Science	3
BIO 012L** Environmental Science Laboratory	1.5
BIO 014* Principles of Microbiology	4
BIO 015** Introduction to Biology	4
BIO 016 Introduction to Human Biology	3
BIO 016L** Human Biology Laboratory	1.5
BIO 018 Biology of Sex	3
BIO 019** Marine Biology	4
ANTH 001 Physical Anthropology	3

#### Physical Science

ASTR 010 General Astronomy	3
ASTR 020** Astronomy Laboratory	1
ASTR 030 The Solar System	3
ASTR 040 Stars, Galaxies, and Cosmology	3
CHEM 001** General Chemistry	5
CHEM 002** General Chemistry	5
CHEM 003** Organic Chemistry I	5
CHEM 004** Organic Chemistry II	5
CHEM 010** Intermediate Chemistry	4
CHEM 011** Basic Organic Chemistry and Biochemistry	4
CHEM 051 Chemistry for the Health Sciences	5
GEOG 001 Physical Geography	3
GEOG 001L** Physical Geography Laboratory	1
GEOL 001 Physical Geology	3
GEOL 002** Geology Laboratory	1
GEOL 005 Geology of California	3
PHSC 012** Introduction to Principles of Physical Science	4
PHYS 002** General Physics (Non-calculus)	5
PHYS 004** General Physics (Non-calculus)	5
PHYS 006** Physics for Science and Engineering	5
PHYS 007** Physics for Science and Engineering	5
PHYS 008** Physics for Science and Engineering	5
PHYS 010 Descriptive Physics	3

# Social Justice Studies Department

## DEGREES

Social Justice Studies (AA-T)  
Ethnic Studies (AA)

## COURSES

SJS (Social Justice Studies)

## 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



### **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. - 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?

## Guided Pathways:

# SOCIAL JUSTICE STUDIES AA-T

Associate in Arts for Transfer | GE Pattern: IGETC | Program Total Units: 60-64.5

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

Area, Gender, Ethnic, or Cultural Studies Teacher • Non-profit or Public Administrator •  
Human Services or Social Services Provider • Counselor • Law or Public Policy •  
Human Resources Specialist

## 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 Statistics (IGETC 2B) 4 units
- SJS 001 Intro to Social Justice Studies (IGETC 4) 3 units
- ART 012, CINA 011, MUSC 013, or ENGL 036 (IGETC 3A or 3B) 3 units

### 3

#### Third Semester

Total Recommended Units: 13-15.5

- PSYC 012 Psychology of Gender (IGETC 4) 3 units
- PLSC 001 or 005 Psychology of Gender (IGETC 4/American Institutions) 3 units
- BIO 015 or BIO 016 & 016L (IGETC 5B/5C) 4 - 4.5 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: 13

- ENGL 002 or 004 (IGETC 1B) 4 units
- SJS 002 Intro to Race and Ethnicity (IGETC 4/Cross-Cultural) 3 units
- HIST 017, 018, 028, 029, or 037 (IGETC 3B/American Institutions) 3 units
- COMM 001, 002, or 006 (IGETC 1C) 3 units

### 4

#### Fourth Semester

Total Recommended Units: 13-15

- IGETC 4 ANTH 002, COMM 012, PSYC 007, or PSYC 034 3 units
- IGETC 3A 3 units
- IGETC 5A Suggested: ASTR, GEOL, or GEOG 3 units
- UC Transferable Elective 3 units
- UC Transferable Elective Suggested: Kinesiology 1 - 3 units

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

Total Recommended Units: 6

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

# Social Justice/Ethnic Studies

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## Associate in Arts in Social Justice Studies for Transfer (ADT: A.A.-T)

### Program Description

The Associate in Arts in Social Justice Studies for Transfer prepares students to provide social leadership in creating greater equity and inclusion in the local community and in larger societal contexts. With a focus on Ethnic Studies, and Gender and Sexuality Studies, Social Justice Studies majors are given opportunities to critically examine the experiences of various communities in relation to issues of power and social inequality. The program's interdisciplinary coursework allows students exposure to a variety of theoretical frameworks including Psychology, English, Sociology, History, Art, Political Science, Communications and more, as well as the fundamentals of methodology needed for social inquiry. Critical thinking and problem solving are emphasized throughout the program, especially in the analysis of historical and current examples of social engagement and change. Social Justice Studies provides a strong academic preparation for upper division coursework, a range of career paths, and meaningful social awareness and public engagement over students' lifetimes.

The Associate in Arts in Social Justice Studies for Transfer is intended for seamless transfer to local California State University campuses (CSUs). Students who successfully complete degree requirements will be ensured admission to the CSU system, but not to a particular campus or major. While coursework in Social Justice Studies is designed to provide lower division preparatory requirements for many related degree programs, students should meet with a counselor to determine specific course requirements for local CSUs/programs and to properly identify which CSUs are considered local.

### To earn the Associate in Arts in Social Justice Studies for Transfer, student 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 Social Justice Studies for Transfer will be able to:

1. Identify and analyze historical and modern-day factors that contribute to social inequities in the United States and globally, especially those related to race, gender, and sexuality.
2. Demonstrate knowledge of the unique experiences and social, artistic, and intellectual contributions of key social groups studied.
3. Apply critical thinking and problem-solving skills to complex social issues related to equality, inclusion, and social justice.

### REQUIRED COURSES .....Units

SJS 001 Introduction to Social Justice Studies .....	3
SJS 002 Introduction to Race and Ethnicity .....	3
PSYC 012 Introduction to Gender .....	3
3 courses from at least 2 of the 4 Areas .....	9-10

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

#### Area 1: History or Government

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
PLSC 005 Constitutional Rights in a Multicultural Society.....	3

#### Area 2: Arts and Humanities

Art 012 Inside/Outside: The Cultures and Identities of Diverse Visual Artists in the U.S. ....	3
CINA 011 American Cultures in Film.....	3
ENGL 036 Multi-Ethnic Literature in America.....	3
MUSC 013 Multicultural Music in America.....	3

#### Area 3: Social Science

ANTH 002 Cultural Anthropology .....	3
CDFS 053 Teaching in a Diverse Society.....	3
COMM 012 Intercultural Communication .....	3
PSYC 007 Cross-Cultural Psychology .....	3
PSYC 034 Human Sexual Behavior .....	3

#### Area 4: Quantitative Reasoning and Research Methods

MATH 011 Elementary Statistics.....	4
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# Social Justice/Ethnic Studies

## Ethnic Studies

Associate in Arts

### Program Description

This is an interdisciplinary program which provides an opportunity for students to pursue organized studies of minority groups in American Society and to foster and expand general understanding of these groups. The courses allow for a wide latitude of study to meet a variety of interests with courses which fulfill competence in and an understanding of the unique contributions of American ethnic groups; interpretation of American ethnic culture as manifested in its history, its literature, and its social, economic, political, and philosophical development. (The course descriptions may be found under the appropriate disciplines.)

The Associate in Arts can be obtained by completing the 18-22-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 Ethnic Studies Associate in Arts will be able to:

1. Increase understanding of diverse ethnic groups in American society.
2. Identify and analyze the impact of culture and the significance of history and literature.
3. Develop competence as it pertains to various ethnic groups including an understanding of their social, economic, political and philosophical development.
4. Develop competence in understanding the unique contributions of ethnic groups in American Society.

### REQUIRED COURSES ..... Units

SOCS 022 Ethnic, Racial and Minority Group Relations in Harmony and Conflict.....	3
One course from List A .....	3
One course from List B .....	3
One course from List C .....	3
Two courses from List D .....	6-10
<b>Required Major Total Units.....</b>	<b>18-22</b>

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

ART 012 Inside/Outside: The Cultures and Identities of Visual Artists in a Diverse America .....	3
MUSC 007 Jazz and Popular Music in America: Ragtime to Rock .....	3
MUSC 013 Multicultural Music in America.....	3

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

COUN 055 Valuing Diversity .....	3
SOCS 030 Peace, Non-Violence, and Conflict Resolution.....	3

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

HIST 028 African American History to 1877 .....	3
HIST 029 African American History Since 1865 .....	3
PLSC 005 Constitutional Rights in a Multicultural Society.....	3
SOCS 053 Civil Rights, Non-Violence, and Race Relations .....	3

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

ANTH 002 Cultural Anthropology .....	3
COUN 055* Valuing Diversity .....	3
ENGL 036 Multi-Ethnic Literature in America.....	3
HIST 028* African American History to 1877 .....	3
HIST 029* African American History Since 1865 .....	3
HIST 031 Mexican American/Chicano History .....	3
HS 053 Serving Special Populations.....	3
MUSC 007* Jazz and Popular Music in America: Ragtime to Rock .....	3
MUSC 013* Multicultural Music in America.....	3
PLSC 005* Constitutional Rights in a Multicultural Society.....	3
PSYC 007 Cross-Cultural Psychology .....	3
SOC 002 Social Issues and Problems .....	3
SOC 023 Sociology of African Americans.....	3
SOCS 025 Mexican-American Experience.....	3
SPAN 001 First Semester Spanish .....	5
SPAN 002 Second Semester Spanish .....	5
SPAN 003 Third Semester Spanish.....	5
SPAN 004 Fourth Semester Spanish .....	5
THEA 013 Diversity in American Theatre: A Contemporary Focus.....	3

\* If not used for List A-C

# Sociology Department

## DEGREES

Sociology (AA-T)  
Sociology (AA)

## COURSES

SOC (Sociology)

## 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:**

Tonmar Johnson



**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:

# SOCIOLOGY AA-T

Associate in Arts for Transfer | GE Pattern: IGETC | Program Total Units: 62-64.5

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

Sociologist • Sociology Teacher • Social Science Researcher

## 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
- SOC 001 Intro to Sociology (IGETC 4) 3 units
- COMM 001, 002, or 006 (IGETC 1C) 3 units
- UC Transferable Elective Suggested: COUN 005 or 007 3 units

### 3 Third Semester Total Recommended Units: 15-17

- SOC LIST B of the ADT 3 units
- UC Transferable Elective 3 units
- IGETC 5A Suggested: ASTR, GEOL, GEOG 3 units
- HIST 017, 018, 028, 029, or 037 (IGETC 3B/American Institutions) 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

- ENGL 002 or 004 (IGETC 1B) 4 units
- MATH 011 Statistics (IGETC 2B) 4 units
- SOC 002 Social Issues and Problems (IGETC 4) 3 units
- SJS 002 Intro to Race and Ethnicity (IGETC 4/Cross-cultural) 3 units

### 4 Fourth Semester Total Recommended Units: 13-13.5

- SOC LIST C of the ADT 3 units
- IGETC 3A or 3B 3 units
- IGETC 5B/5C Suggested: BIO 012 & 012L, BIO 015, or BIO 016 & 016L 4 - 4.5 units
- PLSC 001 or 005 (IGETC 4/American Institutions) 3 units

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

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

# Sociology

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

### Program Description

Sociology is the study of society and human behavior. Students who obtain a degree in Sociology gain a fundamental understanding of culture, socialization, inequality, racial and ethnic relations, sex roles, deviance, social issues and problems, and the distribution of political and economic power. Sociology students prepare themselves for a job in the field of business, health, education, criminal justice, government/law, or social service, and a variety of other areas.

The Associate in Arts in Sociology for Transfer is intended for students who plan to complete a bachelor's degree in Sociology at a CSU campus. Students completing this degree (A.A.-T in Sociology) are guaranteed priority admission to the CSU system, but not to a particular campus or major.

### To earn the Associate in Arts in Sociology for Transfer, student 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 Sociology for Transfer will be able to:

1. Become more aware of cultural, social, political, environmental, and economic forces within the world they live.
2. Raise their ethnic consciousness to a higher level of understanding and acceptance.
3. Build skills in critical thinking, reading and writing.
4. Improve skills cited above to provide an excellent base for transfer and success at four-year institutions.

### REQUIRED COURSES .....Units

SOC 001 Introduction to Sociology .....	3
SOC 002 Social Issues and Problems .....	3
PSYC 004 Research Methods in Behavioral Science .....	3
MATH 011 Elementary Statistics .....	4
SOC 040 Sociology of the Family .....	3
Once course from List A .....	3

**Required Major Total Units.....19**

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

SJS 002 Introduction to Race and Ethnicity .....	3
SJS 030 Peace, Non Violence, and Conflict Resolution ...	3
SOC 045 Sociology of Religion .....	3
SOC 075 Introduction to Sociology of Sport .....	3

# Sociology

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## Sociology

*Associate in Arts*

### Program Description

Sociology is the study of society and human behavior. Students who obtain a degree in Sociology gain a fundamental understanding of culture, socialization, inequality, racial and ethnic relations, sex roles, deviance, social issues and problems, and the distribution of political and economic power. Sociology students prepare themselves for a job in the field of business, health, education, criminal justice, government/law, or social service, and a variety of other areas.

The Associate in Arts can be obtained by completing the 18-19-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 Sociology Associate in Arts will be able to:

1. Demonstrate knowledge of cultural, social, political, environmental, and economic forces within the world they live.
2. Demonstrate awareness of equity issues within and between ethnic groups.
3. Demonstrate an ability to critically analyze sociological concepts and issues

<b>REQUIRED COURSES</b> .....	<b>Units</b>
SOC 001 Introduction to Sociology .....	3
SOC 002 Social Issues and Problems .....	3
PSYC 004 Research Methods in Behavioral Science .....	3
Two courses from List A .....	6
One course from List B .....	3-4
<b>Required Major Total Units</b> .....	<b>18-19</b>

<b>List A: (select two courses)</b> .....	<b>Units</b>
SOC 023 Sociology of African Americans .....	3
SOC 040 Sociology of the Family .....	3
SOC 045 Sociology of Religion .....	3
SOC 075 Introduction to Sociology of Sport .....	3
<b>List B: (select one course)</b> .....	<b>Units</b>
ANTH 002 Cultural Anthropology .....	3
MATH 011 Elementary Statistics .....	4
PLSC 019 Human Rights and Sexual Orientation .....	3
PSYC 030 Introduction to Social Psychology .....	3
SJS 002 Introduction to Race and Ethnicity. ....	3

# Spanish

## SEE FOREIGN LANGUAGES DEPARTMENT

[Spanish \(AA-T\)](#)

[Foreign Languages, Individual \(Spanish\) \(AA\)](#)

# Sports Medicine

## SEE KINESIOLOGY DEPARTMENT

[Sports Medicine/Athletic Training \(AS\)](#)

# Theatre Arts Department

## DEGREES

Theatre Arts (AA-T)  
Theatre Arts (AA)

## CERTIFICATE OF ACHIEVEMENT

Theatre Arts Technical

## COURSES

[THEA \(Theatre Arts\)](#)

## 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:** Christine Sendlakowski-Mani

## 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. - 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:

# THEATRE ARTS AA-T

Associate in Arts for Transfer | GE Pattern: IGETC | Program Total Units: 61-65.5

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

Actor, Dancer, and/or Singer • Art or Drama Therapist • Costumer Designer • Stage Manager •  
Set and Exhibit Designer • Technical Theater Crew Member • Theater Teacher • Theater Director

## 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 012 (IGETC 2B) 3 units
- THEA 001 Acting 1 3 units
- THEA 024 or 047 Performance/Production 3 - 4 units

### 3 Third Semester

Total Recommended Units: 13-16.5

- IGETC 5B/5C Suggested: BIO 012 & 012L, BIO 015, or BIO 016 & 016L 4 - 4.5 units
- LIST A of the ADT 3 units
- IGETC 3A or 3B 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: 13

- ENGL 002 or 004 (IGETC 1B) 4 units
- COMM 001, 002, or 006 (IGETC 1C) 3 units
- THEA 006 Introduction to Theatre (IGETC 3A) 3 units
- LIST A of the ADT 3 units

### 4 Fourth Semester

Total Recommended Units: 13-15

- LIST A of the ADT 3 units
- PLSC 001 or 005 (IGETC 4/American Institutions) 3 units
- IGETC 5A Suggested: ASTR, GEOL, GEOG 3 units
- COMM 012, COUN 015, HIST 037, PSYC 007, or SJS 002 (IGETC 4/Cross-cultural) 3 units
- IGETC 3B 3 units

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

- UC Transferable Elective 3 units
- HIST 017, 018, 028, 029, or 037 (IGETC 4/American Institutions) 3 units

# Theatre Arts

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

### Program Description

Theatre teaches practical skills, performance techniques, and creativity. It is the goal of this department to provide students with the tools needed to pursue a university degree or a career in the performing arts. In terms of university degrees, the curriculum of all core Solano College Theatre courses have been designed to equal courses offered in the UC and CSU system. In terms of careers in the performing arts, a wide range of academic and professional opportunities exists. These job opportunities include work in stage performance, television/film acting, lighting, sound, stage makeup design, costume design, house management, theatre education, theatre for youth, stage management, and even sporting event production.

The Associate in Arts in Theatre Arts for Transfer is intended for students who plan to complete a bachelor's degree in performance theatre or technical theatre. Students completing the A.A.-T are guaranteed admission to the CSU system, but not to a particular class or major.

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

1. Demonstrate comprehension of technical elements and design processes.
2. Provide evidence of vocal and physical performance techniques.
3. Assess written materials for context, theme, structure, and technical requirements.
4. Express the relationship between culture and dramatic art, using scholarly sources to analyze the performing art persuasively and thoroughly.

### REQUIRED COURSES..... Units

THEA 006 Introduction to Theatre.....	3
THEA 001 Acting 1 .....	3
3-4 Units of a Performance/Production Course .....	3-4
Three courses from List A.....	9

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

### Performance/Production (select 3-4 Units) ..... Units

THEA 024A Rehearsal and Performance in Production Comedy.....	4
THEA 024B Rehearsal and Performance in Production Drama .....	4
THEA 024C Rehearsal and Performance in Production Classical .....	4
THEA 024D Rehearsal and Performance in Production Musical .....	4
THEA 047A Technical Theatre in Production – Comedy	3
THEA 047B Technical Theatre in Production – Drama ....	3
THEA 047C Technical Theatre in Production – Classical	3
THEA 047D Technical Theatre in Production – Musical .	3

### List A (select 3 courses)..... Units

THEA 002 Acting 2 .....	3
THEA 003 Stagecraft .....	3
THEA 008 Stage Make-Up.....	3
THEA 009 Script Analysis .....	3
THEA 020 Introduction to Stage Lighting.....	3
THEA 021 Introduction to Theatre Design.....	3
THEA 032A Fundamentals of Costume Design – Comedy.....	3
THEA 032B Fundamentals of Costume Design – Drama .....	3
THEA 032C Fundamentals of Costume Design – Classical.....	3
THEA 032D Fundamentals of Costume Design – Musical.....	3

# Theatre Arts

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## Theatre Arts

*Associate in Arts*

### Program Description

This program is designed for students who are furthering their theatre education, as well as those seeking a career in the entertainment industry. In terms of university degrees, the curriculum of all core Solano College Theatre courses have been designed to equal courses offered in the UC and CSU system. Whether choosing the Acting or Technical emphasis, the major will provide a basic theatre foundation which will include “hands on experiences” in Acting, Stagecraft, Lighting and Costuming, as well as the historical and cultural background necessary for understanding the craft. Individuals interested in this major may also be seeking a foundation for lifelong learning.

The Associate in Arts can be obtained by completing the 30-31-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 Theatre Arts Associate Degree will be able to:

1. Read and analyze written materials for context, theme and dramatic intent.
2. Demonstrate comprehension of vocal and physical performance techniques.
3. Demonstrate comprehension of technical and artistic production elements including; stagecraft, scenery, costumes, lighting and sound.
4. Utilize and apply current theatrical technology.

<b>REQUIRED CORE:</b> .....	<b>Units</b>
THEA 001 Acting 1 .....	3
THEA 003 Stagecraft .....	3
THEA 006 Introduction to Theatre.....	3
THEA 010 Theatre History 1 .....	3
THEA 011 Theatre History 2 .....	3
One Production course.....	3-4
Choose Acting or Technical Emphasis.....	6
6 units from List A.....	6
<b>Required Major Total Units</b> .....	<b>30-31</b>

<b>List A: (select 6 units)</b> .....	<b>Units</b>
THEA 005 Applied Drama .....	3
THEA 008 Stage Make-Up.....	3
THEA 009 Script Analysis .....	3
THEA 021 Introduction to Theatre Design .....	3
THEA 032B Fundamentals of Costume Design .....	3
THEA 050 Acting for the Camera .....	3
THEA 055 Advanced Theatre Touring Company .....	1

<b>Production courses: (select one)</b> .....	<b>Units</b>
THEA 024 Rehearsal and Performance Production .....	4
THEA 047 Technical Theatre in Production.....	3

### Select an Emphasis (Acting or Technical)

<b>Acting Emphasis: (both courses required)</b> .....	<b>Units</b>
THEA 002 Acting 2 .....	3
THEA 035 Fundamentals of Musical Theatre: Acting .....	3

<b>Technical Emphasis: (both courses required)</b> .....	<b>Units</b>
THEA 020 Introduction to Stage Lighting .....	3
THEA 032A Fundamentals of Costume Design .....	3

# Theatre Arts

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## Theatre Arts Technical

*Certificate of Achievement*

### Program Description

The Theatre Arts Technical Certificate program prepares students for an entry-level career in Community and Professional Theatre. Beginning careers may include: Scene Shop Technician, Stage Electrician, Property Artisan, Costume Technician, Make-Up Technician, Scenic Artist, Audio Technician, Stage Manager, and Event Tech.

The Certificate of Achievement can be obtained by completing the 33-33.5-unit major. 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 Theatre Arts Technical Certificate of Achievement will be able to:

1. Work effectively with Lighting and Scenery design plans.
2. Work competently with common materials and techniques when constructing theatrical elements.
3. Apply fundamental techniques while participating as a member of a backstage production crew.
4. Demonstrate basic skills in one or more of the following areas of specialization. lighting hangs and focus, scenic carpentry, scenic painting, audio set up and signal routing.
5. Integrate knowledge of theatre history and literature when constructing theatrical elements.

<b>REQUIRED CORE:</b> .....	<b>Units</b>	<b>List A: (select 9-9.5 units) .....</b>	<b>Units</b>
THEA 001 Acting 1 .....	3	THEA 008 Stage Make-Up.....	3
THEA 003 Stagecraft .....	3	THEA 009 Script Analysis .....	3
THEA 006 Introduction to Theatre.....	3	THEA 021 Introduction to Theatre Design.....	3
THEA 020 Introduction to Stage Lighting.....	3	THEA 032A Fundamentals of Costume Design .....	3
THEA 047 Technical Theatre in Production		THEA 032B Fundamentals of Costume Design .....	1.5
(4 semesters) .....	12	ART 006 Design Principles in 2-Dimensions .....	3.5
9-9.5 units from List A .....	9-9.5	DRFT 045 Introduction to Computer-Aided	
<b>Required Major Total Units .....</b>	<b>33-33.5</b>	Drafting (CAD) .....	3
		WELD 125 Gas Metal Arc Welding.....	3

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

# Tutoring Department

## DEGREES

The TUTOR courses are designed for students using tutoring services on a drop-in basis or for students wishing to serve as tutors. The courses do not lead to a certificate, degree or transfer agreement.

## COURSES:

[TUTOR \(Tutoring\)](#)

## CONTACT INFORMATION:

ASTC (Academic Success and Tutoring Center)

**Building:** Main Campus - Fairfield: Inside the Library

**Phone Number:**

Main Campus - Fairfield: (707) 864-7230

Vacaville Center: (707) 864-7000 ext 4479

Vallejo Center: (707) 864-7000 ext 4908

**Email:** [ASTC@solano.edu](mailto:ASTC@solano.edu)

**Dean:** Shirley Lewis

**ASTC Specialist:** Gema Leon

**Faculty Contact:** Lauren Taylor-Hill



# Water and Wastewater Technology Department

## DEGREES

Water and Wastewater Technology (AS)

## CERTIFICATES OF ACHIEVEMENT

Water and Wastewater Technology

## COURSES

WATR (Water and Wastewater Technology)

## 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

## 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?

# Water and Wastewater Technology

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## Water and Wastewater Technology

*Certificate of Achievement and Associate in Science*

### Program Description

A study of the principles of water and wastewater disposal and purification including municipal and industrial wastewater collection and treatment. The program will satisfy most of the requirements for certification of water and wastewater treatment personnel.

The Certificate of Achievement can be obtained upon completion of the 25-32-unit major. The Associate in Science can be obtained upon completion of the 25-32 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 Water and Wastewater Technology Certificate of Achievement/Associate in Science will be able to

1. Attain certification of plant operators.
2. Understand treatment methods and technology.
3. Understand technology laws and regulations.

### REQUIRED CORE COURSES .....Units

WATR 100 Wastewater Treatment I ..... 4

WATR 101 Basic Chemistry for Water  
and Wastewater ..... 4  
or

WATR 102 Sanitary Chemistry ..... 4

WATR 104 Water Treatment I ..... 3

WATR 106 Instrumentation and Controls ..... 3

WATR 107 Mathematics of Water and  
Wastewater Treatment ..... 4

Two courses from Specialty Courses ..... 4-5

Select Option 1, 2 or 3 ..... 3-9

**Required Major Total Units..... 25-32**

### Specialty Courses (select two courses)..... Units

WATR 105 Wastewater Treatment II ..... 3

WATR 108 Water Treatment II ..... 2

WATR 120 Distribution Systems Maintenance ..... 2

WATR 121 Collection Systems Maintenance ..... 2

### Select from the following options:

#### OPTION 1

BIOT 160 Basic Concepts/Methods in  
Biotechnology ..... 4

#### OPTION 2

BIO 014 Principles of Microbiology ..... 4  
One course from List A

#### List A

CHEM 010 Intermediate Chemistry ..... 4

CHEM 051 Chemistry for the Health Sciences ..... 5

CHEM 001 General Chemistry I..... 5

#### OPTION 3

WATR 103 Biological Principles of Water  
and Wastewater ..... 3

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

# Welding Department

## DEGREES

Welding Technician (AS)

## CERTIFICATES OF ACHIEVEMENT

Welding Technician

## COURSES

WELD (Welding)

## 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:** Jeffrey "Jeff" Kissinger



**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?

# Welding

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## **Welding Technician**

*Certificate of Achievement and Associate in Science*

### **Program Description**

Designed to prepare the graduate for employment as a welder or a welder helper in the metal trades. The major types of welding covered are shielded arc, acetylene gas welding, metal inert gas, tungsten inert gas, automatic and semi-automatic welding machines.

The Certificate of Achievement can be obtained upon completion of the 15-unit Certificate Courses. The Associate in Science can be obtained by completing the 15-unit Certificate Courses, the 12-unit Associate Degree Courses, 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. Completion of this program prepares the student to take the welders' certification AWS D1.1 exam.

### **Program Outcomes**

Students who complete the Welding Technician Certificate of Achievement/Associate in Science will be able to:

1. Demonstrate competency in major welding processes used in industry.
2. Apply welding processes and the use of hand tools and shop equipment to fabricate projects.
3. Recognize and interpret technical drawings in the planning and fabrication of projects.
4. Demonstrate appropriate workplace safety policies and procedures during welding and fabrication operations.
5. Apply mathematical concepts to solve problems related to an industrial/technical environment.

<b>CERTIFICATE COURSES</b>	<b>Units</b>
DRFT 079 Blueprint Reading	3
WELD 130 Beginning Shielded Metal Arc Welding (Stick 7018/6010 Basic)	3
WELD 131 Intermediate Shielded Metal Arc Welding (Stick Welding)	3
WELD 132 Advanced SMAW (Stick Welding)	3
IT 151 Vocational Mathematics	3
<b>Required Certificate Major Total Units</b>	<b>15</b>

<b>ASSOCIATE DEGREE COURSES</b>	<b>Units</b>
All Certificate Courses	15
IT 101 Introduction to Mechatronics	3
OCED 070 Occupational Soft Skills	1.5
OCED 071 Occupational Portfolio Development	1.5
WELD 136 Beginning Structural Steel and Flux Core Arc Weld (FCAW)	3
WELD 145 Intermediate Pipe Welding 7018 STK (SMAW)	3
<b>Required Associate Major Total Units</b>	<b>27</b>

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