

ADDENDUM 2019-2020



HARTNELL COLLEGE
C A T A L O G



HARTNELL COLLEGE

2019-2020 COLLEGE CATALOG ADDENDUM

Released 02/13/2020

This supplemental addendum reflects new and revised policies, programs and courses approved after the 2019-2020 Catalog was published.

411 Central Avenue
Salinas, CA 93901
(831) 755-6700
www.hartnell.edu

ACCREDITATION

Hartnell College is accredited by the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges, (10 Commercial Boulevard, Suite 204, Novato, CA 94949 (415) 506-0234), The California Board of Registered Nursing, the California Board of Vocational Nursing and Psychiatric Technicians, the Accreditation Commission for Education in Nursing (ACEN). Accreditation by the ACEN is voluntary and insures that Hartnell College's ADN and LVN programs meet the highest standards in nursing education at both the state and national level, the Commission on Accreditation for Respiratory Care (CoARC), Monterey County Emergency Medical Services (EMS), and the California Community Colleges Board of Governors. It has the approval of the State Department of Education to train veterans under Public Law 874 and Public Law 550. It also has the approval of the U.S. Immigration and Naturalization Service to educate foreign students.

HARTNELL COMMUNITY COLLEGE DISTRICT GOVERNING BOARD

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ACCURACY STATEMENT

The Hartnell Community College District has made every reasonable effort to ensure that information in this catalog is accurate. Courses and programs that are offered, along with other matter contained herein, are subject to change without notice by Hartnell College administration for reasons related to student enrollment, level of financial support, or for any other reason, at the discretion of the District and the College. The District and the College further reserve the right to add to, amend, or repeal any of their rules, regulations, policies, and procedures, consistent with applicable laws.

HARTNELL COLLEGE EMERGENCY COMMUNICATIONS

Campus Security:
(831) 755-6888

Maintenance:
(831) 755-6950

Facility Emergency Hotline:
(831) 755-6700, x5700

Office of Student Affairs:
(831) 755-6822

Office of Academic Affairs:
(831) 770-7090

Advanced Technology Office:
(831) 755-6960

Website Pop-Up Emergency Notice:
<https://www.hartnell.edu/about/safety/emergency/>

Veterans Access, Choice, and Accountability Act (38.U.S.C. 3679(c))

Veterans Access, Choice, and Accountability Act (VACA H.R. 3230) In August 2014, President Obama signed the Veterans Access, Choice, and Accountability Act of 2014 ("VACA Act"), into law (Public Law No.: 113-146). Section 702 of the VACA Act (38 U.S.C. 3679(c)) requires the U.S. Department of Veterans Affairs (VA) to disapprove programs of education under the Montgomery GI Bill®-Active Duty (MGIB-AD) and Post-9/11 GI Bill® education benefit programs (Chapters 30 or 33, respectively, of Title 38, U.S. Code) at institutions of higher learning if the school charges qualifying veterans and dependents ("covered individuals") tuition and fees in excess of the in-state rate for resident students for terms beginning after July 1, 2015. A "covered individual" is defined in the VACA Act as:

1. A Veteran who lives in the state in which the institution of higher learning is located (regardless of his/her formal state of residence) and enrolls in the school within three years of discharge from a period of active duty service of 90 days or more.
2. A spouse or child entitled to transferred education benefits who lives in the state in which the institution of higher learning is located (regardless of his/her formal state of residence) and enrolls in the school within 3 years of the transferor's discharge from a period of active duty service of 90 days or more.
3. A spouse or child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (provides Post-9/11 GI Bill® benefits to the children and surviving spouses of service members who died in the line of duty while on active duty) who lives in the state in which the institution of higher learning is located (regardless of his/her formal state of residence) and enrolls in the school within three years of the Service member's death in the line of duty following a period of active duty service of 90 days or more.
4. The new category includes individuals eligible for rehabilitation under 38 U.S. Code § 3102 pursuing a course of education with education assistance from the Training and Rehabilitation for Veterans with Service-Connected Disabilities (Chapter 31) education benefits program.
5. After expiration of the three year period following discharge or death as described in 38 U.S.C. 3679(c), a student who initially qualifies under the applicable requirements above will maintain "covered individual" status as long as he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters or terms) at the institution, even if they enroll in multiple programs and shall continue to be exempt from paying nonresident tuition and other fees.

Eligibility Determination

As it relates to verifying student eligibility for "covered individual" status and qualification for Montgomery GI Bill® 0174-Active Duty or Post-9/11 GI Bill® education benefits (Chapters 30 and 33, respectively, of Title 38, U.S. Code), districts will need to rely on actual evidence and not a self-certification that the student meets the above criteria. Students eligible for VA education benefits are provided a "Certificate of Eligibility" (COE) by the VA that will confirm the approved education benefits for the veteran or eligible dependent (who is made eligible through the Transfer of Entitlement (TOE) to basic educational assistance under

chapters 30 and 33 of title 38, U.S. Code). The DD Form 214, Certificate of Release or Discharge from Active Duty, generally referred to as a "DD 214", may also be of assistance in confirming "covered individual" status as it will show the effective date of the veteran's discharge from active service. Students are required to submit the Certificate of Eligibility and DD 214 to the Admissions and Records office for verification and reclassification of residency status. Students who obtain VACA residency classification are not eligible for the California College Promise Grant.

Students Associated with the Armed Forces

Students Associated with the Armed Forces Students who are members of the armed forces of the United States and their dependents stationed in this state on active duty, except those assigned to California for educational purposes, are exempt from nonresident tuition. There is no requirement for the military person to establish residence; however, the student must be on active duty on the residence determination date. If a nonresident student who is a member of the military becomes separated from the military, he or she would be required to provide evidence of intent to establish California residence for a minimum of one year prior to the residence determination date. Effective Jan. 1, 1996, Assembly Bill 723 was added to the California Education Code to allow a member of the armed forces who was stationed in California on active duty for more than one year prior to being discharged from the service, to claim resident classification for up to one year if he or she lives in California after being discharged. After the one-year exception, the student would have to prove California residence had been established.

AB2210

Education Code section 68075.6 grants an immediate nonresident tuition fee exemption to eligible Special Immigrant Visa (SIV) holders and refugee students who settled in California upon entering the United States. This exemption is granted for one year from the date the student settled in California upon entering the United States.

This exemption applies to the following:

- Iraqi citizens or nationals (and their spouses and children) who were employed by or on behalf of the United States Government in Iraq.
- Afghan and Iraqi translators (and their spouses and children) who worked directly with the United States Armed Forces.
- Afghanistan nationals who were employed by or on behalf of the U.S. government or in the International Security Assistance Force (ISAF) in Afghanistan.
- Refugee students admitted to the United States under Section 1157 of Title 8 of the United States code.

Incorrect Classification

A student incorrectly classified as a California resident is subject to reclassification as a nonresident and payment of nonresident tuition. If incorrect classification results from false or misleading statements, a student may be excluded from class or classes upon notification.

Veterans' Services

Hartnell College is approved as an institution of higher learning for veterans and veterans' dependents entitled to educational assistance. The Veterans Office staff provides assistance to Veterans and dependents in planning educational programs, referrals to community agencies, as well as helping students make the transition from military to student life at Hartnell. Additional services include: computers and printing for student use, Veterans Book Lending, on site tutors, and Veterans Club activities. Certification to the Veterans Administration for educational benefits and admissions enrollment in the College are separate functions. The College's Certifying Official is located in the Veterans Office. It is important that VA beneficiaries notify both the Admissions & Records Office and the College's Certifying Official before they enroll in classes. Additional Veterans information is located in the Admissions section of this catalog under Service Member's Opportunity College, and non-traditional credit (military courses, MOS DANTES, etc.).

The Veterans Affairs office acts as liaison to the Veterans Administration and assists veterans and their dependents in reaching their educational goals. Below are the current programs available to eligible veterans, service persons and dependents seeking assistance for education. Active duty personnel are reimbursed only for actual tuition and fees.

Chapter 30 -- Montgomery G.I. Bill ®

To be eligible, students must have begun service July 1, 1985, or after, served two or three years of continuous active duty, have a high school diploma or equivalent, contributed \$100 per month for the first 12 months of service and have an honorable separation.

Chapter 31 -- VA Vocational Rehabilitation Program (VocRehab) ®

To be eligible, a veteran must have a 20 percent or more service-connected disability.

Chapter 33 -- Post-9/11 G.I. Bill ®

To be eligible, a student must have served at least 90 aggregate days on active duty after Sept. 10, 2001, and still be on active duty, honorably discharged, retired or released from active duty for further service in a reserve component. A student may also be eligible if he/she was honorably discharged from active duty for a service-connected disability and served 30 continuous days after Sept. 10, 2001.

Chapter 35 -- Dependents G.I. Bill ®

To be eligible, a student must be the child or spouse of a veteran who died while on active duty or who has a service connected disability rated at 100 percent total and permanent.

Disabled Veterans' Dependents College Fee Waiver

Students may qualify to receive a waiver of state college tuition and registration fees administered by the California Department of Veterans Affairs (CDVA):

1. The spouse, child or unremarried widow of a veteran who is totally service-connected disabled (100 percent) or died of a service-related death may qualify. The veteran must have served during a qualifying war period and be honorably discharged. This program does not have an income limit. The student may also receive federal education benefits (Chapter 35) concurrently.
2. The child of a veteran who has a service-connected disability (zero percent or greater) or died of a service-related death may also qualify for a waiver of fees. Students are required to meet the annual income limit which includes the student's reportable income and the value of support provided by the parents, which cannot exceed \$12,209 annually.
3. Any dependent, or surviving spouse who has not remarried, of any member of the California National Guard, who in the line of duty, and while in the active service of the state, was killed, died of a disability resulting from an event that occurred while in the active service of the state, or is permanently disabled as a result of an event that occurred while in the active service of the state. "Active service of the state," for the purposes of this subdivision, means a member of the California National Guard activated pursuant to Section 146 of the Military and Veterans Code.

Chapter 1606 -- Selected Reserve (MGIB-SR) ®

To be eligible, a reservist must have enlisted or reenlisted for six or more years in the Selected Reserves after July 1, 1985, have a GED or high school diploma, and have completed the IADT and 180 days of service in the reserves.

Initial applicants must provide county-recorded copies of all DD 214s showing the character of separation. Chapter 30 applicants who have old G.I. Bill® eligibility must also provide county-recorded documents of marriage and birth certificates for all dependent children. Applicants should allow at least two months for the VA to process an initial claim and are advised to be prepared for financial emergencies.

Chapter 1607 – Activated Reservists After September 11, 2001 (REA) ®

To be eligible, members of the Reserve components must be called or ordered to active duty in response to a war or national emergency (contingency operation) as declared by the President or Congress. This program makes certain reservists who were activated for at least 90 days after Sept. 11, 2001, either eligible for education benefits or eligible for increased benefits.

Academic Requirements

All VA recipients are required to maintain satisfactory progress toward their educational objective and a minimum grade point average of 2.0 (C) for each period of enrollment. A separate Veterans' Bulletin outlining standards of progress and attendance is available to all veterans. It is essential that all recipients are thoroughly familiar with these federally mandated standards.

Evaluation is required to allow credit for prior training, including college, military and correspondence school. Military evaluations may be obtained free for those who have entered service since Oct. 1, 1981.

All students must have an approved Student Education Plan (SEP) prepared by a counselor no later than the end of the first period of enrollment. Entering students who have earned 24 or more units will not be certified for VA assistance until the course requirement list is prepared. All transcripts and military evaluations must be on file prior to this counseling. VA policy prohibits payment for any course not required for graduation in the student's stated objective.

For further information, please refer to our website at www.hartnell.edu/veterans-service-center, or call (831) 755-6909. The Veterans Office is located in the Student Center C-138.

Veterans Benefits Update

Course Protection Guarantee under the Veteran Benefits and Transition Act of 2018, Section 103

Effective August 1, 2019, Hartnell College allows Veterans under Chapter 33, Chapter 31, and dependents under Chapter 33TOE (Transfer of Entitlement) and Fry Scholarship upon meeting matriculation requirements to remain registered in their courses without being dropped due to unpaid tuition and fees. In order to receive this benefit, students must request to use their benefits by filling out the Application for Certification Request Form and provide a copy of their Certificate of Eligibility or Authorization PO from Vocational Rehabilitation Counselor for Chapter 31 Vocational Rehabilitation students. The certification forms are available at the Veterans Service Center in the Student Center, Room HCC-138.

It is the student's responsibility to pay the school any remaining balance should the student register in courses that are not on his or her approved education plan, or if the student is not entitled to 100% of his or her GI Bill® benefits. Students also have the option to have any outstanding balance deducted from their Financial Aid, if available.

Forever GI Bill® Housing Payment Fulfillment Act of 2018, Section 107

Basic Allowance for Housing (BAH) Reflects Actual Housing Location Monthly Housing Allowance (MHA) also known as Basic Allowance for Housing (BAH) will calculate its payments based on where the student attends the majority of their classes. In the past, payment was calculated on where the school was located. This is a big change for online students receiving lower BAH payments because their school was located in an area with a lower BAH. For more information, students can go to: <https://militarybenefits.info/forever-gi-bill>

COURSE LISTINGS

AOD-11, Individual, Group, and Family Counseling (3)

Lec 48-54 Hrs

An introduction to the basic skills and techniques of counseling for chemical dependency counselors. This course describes characteristics of an effective counselor, explores several theoretical models of counseling, and assists the individual to develop skills in active listening, building trust, reflecting feelings and content, and using motivational interviewing techniques. Stages of therapy and life span issues will receive special attention. A focus on family dynamics and group processes as they relate to chemical dependency will also be examined. The dynamics of chemical dependency within family systems will be explored and interventions designed to assist family members to understand and cope with chemical dependency will be examined. In addition, group processes and dynamics will be examined with an emphasis on developing skills for group leadership.

ECE-9, Creative Expressions and Play in Early Childhood (3)

Lec 48-54 Hrs

This course is an exploration of creative play, art, music and movement (motor skills) for young children. Emphasis will be placed on integrated teaching practices in early childhood education.

EMT-53. Emergency Medical Technician (9)

Prerequisite: American Heart Association "BLS for the Health Care Provider" CPR card

Advisory: Each student will be required to undergo a background check, drug screen, physical and provide appropriate vaccinations.

Lec 48-54 Hrs; Lab 96-108 Hrs

The EMT course includes California mandated curriculum. Classroom and learning laboratory experiences include the function and structure of human systems and basic life support skills. Students are required to complete twenty-four (24) hours of supervised clinical experience, which includes a minimum of ten (10) patient contacts during which the student's performance is evaluated based on quality of patient assessment BLS skills. Each student will be required to undergo a background check, drug screen, physical, and provide appropriate vaccinations (at students expense) in order to complete the clinical phase of the course. To qualify for the National Registry Exam (additional fee), students must pass with a 75%, hold a current BLS card, and be 18 years of age.

RCP-62, Cardiopulmonary Pathophysiology (2)

Prerequisite: RCP-52 with a grade of "C" or better.

Corequisite: RCP-63

Various cardiopulmonary disorders including; infection, cancer, obstructive conditions, restrictive conditions and pulmonary vascular disease. Patient care plans for specific disease processes are discussed for use in multiple health care settings.

TAC-57, Introduction to Electronic Media (3)

Pass/No Pass Option

Lec 48-54 Hrs

This course introduces the history, structure, function, economics, content and evolution of radio, television, film, the Internet, and new media, including traditional and mature formats. The social political, regulatory, ethical and occupational impact of the electronic media are also studied.

TAC-59, Beginning Audio Production (3)

Pass/No Pass Option

Lec 32-36 Hrs; **Lab** 48-54 Hrs

This course serves as an introduction to the theory and practice of audio production for radio, television, film and digital recording applications. Students will learn the fundamentals of sound design and aesthetics, microphone use, and digital recording equipment. Students gain hands on experience recording, editing, mixing and mastering audio. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, and audio editing software.

DEGREES and CERTIFICATES

- ❖ **Addiction Studies—Associate of Arts**
- ❖ **Administration of Justice—**
 - **Associate in Arts for Transfer**
 - **Associate of Arts**
 - **Certificate of Achievement**
- ❖ **Biology—Associate of Science**
- ❖ **Engineering—Associate of Science**
- ❖ **Engineering Fundamentals—Certificate of Achievement**
- ❖ **Film, Television and Electronic Media—Associate in Science for Transfer**
- ❖ **Nursing—Registered Nursing—Associate of Science**
- ❖ **Nursing—Vocational Nursing—Certificate of Achievement**
- ❖ **Respiratory Care Practitioner—Associate of Science**

ADDICTION STUDIES

PROGRAMS

- Associate of Arts (A.A.)
- Certificate of Achievement



**HARTNELL
COLLEGE**

DESCRIPTION

The Hartnell College Associate Degree in Addiction Studies provides students with the academic preparation needed for employment in the substance abuse field. The curriculum is designed to meet the California Association of Alcoholism and Drug Abuse Counselors (CAADAC) requirements and pending legislative regulations requiring 350 hours of approved alcohol and drug classroom education, 45 hours of supervised practicum and 255 hours of supervised work experience.

Students who wish to continue their course of study to a 4-year setting are recommended to complete the Associate of Arts Degree program, which includes both the general education requirements and major courses in Addiction Studies. Completion of additional requirements for transfer may be required. It is recommended that students take AOD courses in numeric order.

AOD 1-6 and 11 must be completed before enrolling in AOD 10 (Chemical Dependency Practicum Seminar) and AOD 99 (Practicum in Chemical Dependency).

Career opportunities for certified Alcohol and Drug Counselors include: counselors in social model county residential treatment programs; counselors in pre-treatment, inpatient, outpatient, and aftercare programs; counselors in hospital-based chemical dependency community prevention and education programs; recovery/relapse prevention counseling in the private sector; counselors in recovery home/sober living environments. California state laws require that individuals who are providing services in an alcohol or drug abuse setting be registered by an accredited agency that is recognized by the Department of Health Care Services. Students may obtain a registration manual, which contains information on academic requirements, procedures, forms, examination schedules, and fees by going to the CCAPP website (<https://www.ccapp.us/>) and clicking on "certification" where an order form and other information are provided.

LEADS TO CAREER OPPORTUNITIES SUCH AS:

- Community Prevention & Education Counselor
- Mental Health Counselor
- Probation Officer
- Social Worker
- Substance Abuse Counselor in residential treatment programs, pre-treatment, inpatient, outpatient, and aftercare programs
- Therapist

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare for transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Hartnell College counselor to develop a student education plan before beginning their program.

TRANSFER RESOURCES

www.ASSIST.org – CSU and UC Articulation Agreements and Major Search Engine

CSU System Information -
<http://www2.calstate.edu>

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Hartnell College offers a full array of financial aid programs, federal loan programs, and fee waivers.

<https://www.hartnell.edu/students/fa/net-price-calculator.html>

ADDICTION STUDIES (AA.ADD)

ASSOCIATE OF ARTS

Program Outcomes: Upon successful completion of this program a student will be able to:

- demonstrate proficiency in each of the core functions and performance domains of substance abuse counselors.
- function as ethical and competent entry-level substance abuse counselors, with an understanding of and sensitivity to the diverse populations which they will serve.

Required Major Courses (31 units)

<input type="checkbox"/> AOD-1 – Fundamentals of Chemical Dependency	3.0
<input type="checkbox"/> AOD-2 – Pharmacology and Physiology of Alcohol and Other Drugs	3.0
<input type="checkbox"/> AOD-3 – Introduction to Case Management and Treatment Planning	3.0
<input type="checkbox"/> AOD-4 – Counseling Diverse Populations	3.0
<input type="checkbox"/> AOD-5 – Legal/Ethical Considerations and Professional Growth	3.0
<input type="checkbox"/> AOD-6 – Prevention, Education, and Relapse Prevention	3.0
<input type="checkbox"/> AOD-9 – Co-Occurring Disorders	3.0
<input type="checkbox"/> AOD-10 – Chemical Dependency Practicum Seminar	3.0
<input type="checkbox"/> AOD-11 – Individual, Group, and Family Counseling	3.0
<input type="checkbox"/> AOD-99 – Practicum in Chemical Dependency	4.0

Major Electives (Complete 9 units)

<input type="checkbox"/> PSY-2 – General Psychology	3.0
<input type="checkbox"/> PSY-6 – Social Psychology	3.0
<input type="checkbox"/> PSY-22 – Abnormal Psychology	3.0
<input type="checkbox"/> PSY-33 – Personal and Social Adjustment	3.0
<input type="checkbox"/> PSY-41 – Psychology of Human Relations	3.0
<input type="checkbox"/> SOC-1 – Introduction to Sociology	3.0
<input type="checkbox"/> SOC-41 – Marriage and the Family	3.0

SUBTOTAL: 40 UNITS

General Education – Required Courses

Students must complete one of the following General Education Plans:

HCCD GE (see page 59 of the 2019-2020 catalog) **MAT-123 or higher**

- Natural Sciences Social & Behavioral Sciences Humanities
 Ethnic Groups in the US Language and Rationality

SUBTOTAL: 21 UNITS

Students can double-count required courses and courses for General Education

- **Electives (Courses Numbered 1-199) required when degree units plus GE units total fewer than 60.**

TOTAL: 60 UNITS

ADDICTION STUDIES (CT.ADD)

CERTIFICATE OF ACHIEVEMENT

Program Outcomes: Upon successful completion of this program a student will be able to:

- demonstrate proficiency in each of the core functions and performance domains of substance abuse counselors.
- function as ethical and competent entry-level substance abuse.

Required Major Courses (27 units)

<input type="checkbox"/>	AOD-1 – Fundamentals of Chemical Dependency	3.0
<input type="checkbox"/>	AOD-2 – Pharmacology and Physiology of AOD	3.0
<input type="checkbox"/>	AOD-3 – Intro to Case Management and Treatment Planning	3.0
<input type="checkbox"/>	AOD-4 – Counseling Diverse Populations	3.0
<input type="checkbox"/>	AOD-5 – Legal/Ethical Considerations & Professional Growth	3.0
<input type="checkbox"/>	AOD-6 – Prevention, Education, and Relapse Prevention	3.0
<input type="checkbox"/>	AOD-9 – Co-Occurring Disorders	3.0
<input type="checkbox"/>	AOD-11- Individual, Group, and Family Counseling	3.0
<input type="checkbox"/>	PSY-2 – General Psychology	3.0

Major Electives (Complete 9 units)

<input type="checkbox"/>	PSY-25 – Developmental Psychology-Lifespan	3.0
<input type="checkbox"/>	PSY-33 – Personal and Social Adjustment	3.0
<input type="checkbox"/>	PSY-41 – Psychology of Human Relations	3.0

Other Required Courses

<input type="checkbox"/>	ENG-101* – Intermediate Composition and Reading	3.0
	OR	
	ESL-101* – Academic Writing and Reading II	3.0
<input type="checkbox"/>	MAT-121** – Elementary Algebra	3.0

TOTAL: 36 UNITS

*Eligibility for ENG-1A or ENG-1AX fulfills this requirement.

**Eligibility for MAT-123 or any higher level math class fulfills this requirement.

GAINFUL EMPLOYMENT INFORMATION:

See the certificate program cost and the employment outlook for graduates by clicking the link below:

<http://www.hartnell.edu/gainful-employment-certificate-programs-0>

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Hartnell College offers a full array of financial aid programs, federal loan programs, and fee waivers.

<https://www.hartnell.edu/students/fa/net-price-calculator.html>

ADMINISTRATION OF JUSTICE



**HARTNELL
COLLEGE**

PROGRAMS

- Associate in Science for Transfer (A.S.-T)
- Associate of Science (A.S.)
- Certificate of Achievement

DESCRIPTION

The Associate in Science Degree in Administration of Justice for Transfer provides a clearly articulated curricular track for students who wish to transfer to baccalaureate Administration of Justice, Criminal Justice, or Criminology degree programs at a California State University (CSU) campus. This degree provides the lower division Administration of Justice major courses required at many CSUs while exposing students to the core principles and practices in the field of Administration of Justice. The AS-T degree will enable students to develop a strong foundation in the theory and practice of law enforcement and law enforcement investigation, the origin and application of criminal law, the various components of the criminal justice system, the structure of the various court systems, and trial process. For detailed requirements for individual four-year institutions, students should contact the transfer institution and meet with a counselor for specific transfer course requirements in their major.

The Administration of Justice Associate Degree program is particularly suited for students seeking employment in criminal justice and paralegal/legal assistantship, and it incorporates advanced career training, as well as supporting transfer. Criminal justice courses have a broad focus and encompass effective patrol services, the prosecution and defense of criminal offenders, and the incarceration process. Paralegal/legal assistantship courses overview the preparation of cases for court under the supervision of an attorney. The Associate degree in Administration of Justice offers specialized electives to enhance a student's career opportunities.

LEADS TO CAREER OPPORTUNITIES SUCH AS:

- Attorney
- Correctional Officer
- Criminal Investigator
- Deputy Sheriff
- Detective
- Law Enforcement Agent
- Military Officer
- Parole Agent
- Paralegal/Legal Assistant
- Police Officer
- Probation Officer
- Public Defender
- Social Worker

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare for transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Hartnell College counselor to develop a student education plan before beginning their program.

TRANSFER RESOURCES

www.ASSIST.org – CSU and UC Articulation Agreements and Major Search Engine

CSU System Information - <http://www2.calstate.edu>

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<https://www.hartnell.edu/students/fa/net-price-calculator.html>

ADMINISTRATION OF JUSTICE FOR TRANSFER (AST.ADJ)

ASSOCIATE IN SCIENCE FOR TRANSFER

Program Outcomes: Upon successful completion of this program a student will be able to:

- analyze the United States legal system, describing the sources of law, the branches of government, and the federal and state course systems.
- analyze cases to ascertain legal precedents and apply them to hypothetical facts patterns.
- Select and apply the appropriate peacekeeping strategy in a multicultural community.

Required Major Courses (6 units)

- ADJ-1 – Introduction to Administration of Justice 3.0
- ADJ-3 – Concepts of Criminal Law 3.0

Major Electives A (Complete 6 units)

- ADJ-2 – Community Relations & the Justice System 3.0
- ADJ-4 – Criminal Evidence 3.0
- ADJ-5 – Criminal Court Process 3.0
- ADJ-8 – Criminal Investigation 3.0
- ADJ-10 – Juvenile Procedure 3.0

Major Electives B (Complete 6 units)

- ADJ-10 – Juvenile Procedures 3.0
- ADJ-51 – Criminology 3.0
- MAT-13 – Elementary Statistics 5.0
- SOC-1 – Introduction to Sociology 3.0
- PSY-2 – General Psychology 3.0

SUBTOTAL: 18 UNITS

General Education – Required Courses

Students must complete one of the following General Education Plans:

CSU-GE (see page 63 of the 2019-2020 catalog) **39 units**

IGETC (see page 63 of the 2019-2020 catalog) **37 units**

Students can double-count required courses and courses for General Education

■ *Electives (Courses Numbered 1-99) required when degree units plus GE units total fewer than 60.*

TOTAL: 60 UNITS



**A Degree With A
Guarantee.com**
*Associate Degree
for Transfer*

In order to earn this degree, students must complete the Associate Degree for Transfer Requirements:

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 GE – Breadth Requirements (CSU GE-Breadth).
 - 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. Obtainment of a minimum grade point average of 2.0

ADTs include (AA-T) and (AS-T) degrees. The law authorizing these degrees also requires that students must earn a “C” or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

ADMINISTRATION OF JUSTICE (AS.ADJ)

ASSOCIATE OF SCIENCE

Program Outcomes: Upon successful completion of this program a student will be able to:

- analyze the United States legal system, describing the sources of law, the branches of government, and the federal and state court systems.
- evaluate judicial opinions to determine legal precedents and apply them to hypothetical fact patterns.
- recognize constitutional principles present in the prosecution and defense of criminal offenders.
- describe the incarceration process.
- demonstrate effective law enforcement report writing skills.
- compare and contrast legal and illegal narcotics and dangerous drugs.
- select and apply the appropriate peacekeeping strategy in a multicultural community.

Criminal Justice	Complete 3 courses from ADJ-8, ADJ-10, ADJ-30, ADJ-33, ADJ-51
Paralegal/Legal Assistant	Complete ADJ-25, ADJ-34, and ADJ-36; complete as a general elective BUS-18 Legal Environment of Business

Students who have official college transcripts from an approved accredited college proving they have successfully completed a California POST Basic Police Academy, or official documents proving successful completion of a California Basic Correctional Officer Academy or a California Highway Patrol Academy shall receive credit for ADJ 1 and all major elective courses necessary for the Administration of Justice Degree program.

As a result of ongoing changes in technology, the need to expand competencies, and changing transfer requirements, certificate and degree requirements may also change. If you note changes in degrees or certificate requirements, or if courses are not offered in a particular semester, please consult with a counselor or faculty on how best to complete the program in which you are enrolled.

Required Major Courses (21 units)

- | | |
|--|-----|
| <input type="checkbox"/> ADJ-1 – Introduction to Administration of Justice | 3.0 |
| <input type="checkbox"/> ADJ-2 – Community Relations & the Justice System | 3.0 |
| <input type="checkbox"/> ADJ-3 – Concepts of Criminal Law | 3.0 |
| <input type="checkbox"/> ADJ-4 – Criminal Evidence | 3.0 |
| <input type="checkbox"/> ADJ-5 – Criminal Court Process | 3.0 |
| <input type="checkbox"/> ADJ-11 – Law Enforcement Report Writing | 3.0 |
| <input type="checkbox"/> ADJ-21A – Narcotics and Dangerous Drugs | 3.0 |

Major Electives (Complete 9 units)

- | | |
|---|-----|
| <input type="checkbox"/> ADJ-8 – Criminal Investigation | 3.0 |
| <input type="checkbox"/> ADJ-10 – Juvenile Procedures | 3.0 |
| <input type="checkbox"/> ADJ-25 – Introduction to Paralegal/Legal Assistantship | 3.0 |
| <input type="checkbox"/> ADJ-30 – Sexual Assault Investigation | 3.0 |
| <input type="checkbox"/> ADJ-33 – Constitutional Law for Criminal Justice | 3.0 |
| <input type="checkbox"/> ADJ-34 – Civil Litigation | 3.0 |
| <input type="checkbox"/> ADJ-36 – Legal Research and Writing | 3.0 |
| <input type="checkbox"/> ADJ-51 – Criminology | 3.0 |
| <input type="checkbox"/> ADJ-102 – PC 832 Arrest and Firearms | 3.5 |

SUBTOTAL: 30 UNITS

General Education – Required Courses

Students must complete one of the following General Education Plans:

HCCD GE (see page 59 of the 2019-2020 catalog) **MAT-123** or higher

- Natural Sciences Social & Behavioral Sciences Humanities
 Ethnic Groups in the US Language and Rationality

SUBTOTAL: 21 UNITS

Students can double-count required courses and courses for General Education

■ Electives (Courses Numbered 1-199) required when degree units plus GE units total fewer than 60.

TOTAL: 60 UNITS

ADMINISTRATION OF JUSTICE (CT.ADJ)

CERTIFICATE OF ACHIEVEMENT

Program Outcomes: Upon successful completion of this program a student will be able to:

- analyze the United States legal system, describing the sources of law, the branches of government, and the federal and state court systems.
- evaluate judicial opinions to determine legal precedents and apply them to hypothetical fact patterns.
- recognize constitutional principles present in the prosecution and defense of criminal offenders.
- describe the incarceration process.
- demonstrate effective law enforcement report writing skills.
- compare and contrast legal and illegal narcotics and dangerous drugs.
- select and apply the appropriate peacekeeping strategy in a multicultural community.

Required Major Courses (21 units)

<input type="checkbox"/>	ADJ-1 – Introduction to Administration of Justice	3.0
<input type="checkbox"/>	ADJ-2 – Community Relation & the Justice System	3.0
<input type="checkbox"/>	ADJ-3 – Concepts of Criminal Law	3.0
<input type="checkbox"/>	ADJ-4 – Criminal Evidence	3.0
<input type="checkbox"/>	ADJ-5 – Criminal Court Process	3.0
<input type="checkbox"/>	ADJ-11 – Law Enforcement Report Writing	3.0
<input type="checkbox"/>	ADJ-21A – Narcotics and Dangerous Drugs	3.0

Other Required Courses

<input type="checkbox"/>	ENG-1A – College Composition and Reading	3.0
<input type="checkbox"/>	MAT-106* – Integrated Mathematics	3.0

TOTAL: 21 UNITS

*Eligibility for MAT-123 or any higher level math class fulfills this requirement.

GAINFUL EMPLOYMENT INFORMATION:

See the certificate program cost and the employment outlook for graduates by clicking the link below:
<https://www.hartnell.edu/academics-affairs/gecp/>

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Hartnell College offers a full array of financial aid programs, federal loan programs, and fee waivers.

<https://www.hartnell.edu/students/fa/net-price-calculator.html>

BIOLOGY

PROGRAMS

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



**HARTNELL
COLLEGE**

DESCRIPTION

The Biology program offers degrees that are intended to create interest and enrichment through the study of living organisms and the basic biological principles. The major courses provide a strong background in the biological sciences for students transferring to four-year institutions who are interested in careers such as agriculture, health, research, and teaching.

The Biology program offers two associate degrees: The AS degree (associate degree in biological sciences) and the AS-T degree (associate degree in biological sciences for transfer). The AS degree does not require calculus, but includes other mathematics courses that meet transfer requirements for certain institutions. The AS-T provides a clearly articulated curriculum, including first-semester calculus, for students who wish to transfer to baccalaureate degree programs at California State University (CSU) campuses.

Baccalaureate programs in biology include a wide array of specialties including but not limited to: animal or plant science, biochemistry, bioinformatics, cell and molecular biology, environmental biology, human biology, and microbiology. The preparation for different specialties will vary. For detailed requirements for individual programs at four-year institutions, students should contact the transfer institution and/or meet with a counselor for specific transfer course requirements in their major.

LEADS TO CAREER OPPORTUNITIES SUCH AS:

- Animal Scientist
- Biologist
- Botanist
- Ecologist
- Environmental Scientist
- Natural Resource Manager
- Nature Conservationist
- Public Health Worker
- Research/Professor
- Water Quality Technician
- Wildlife Biologist
- Wildlife Resource Worker

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare for transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Hartnell College counselor to develop a student education plan before beginning their program.

TRANSFER RESOURCES

www.ASSIST.org – CSU and UC Articulation Agreements and Major Search Engine

CSU System Information -
<http://www2.calstate.edu>

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Hartnell College offers a full array of financial aid programs, federal loan programs, and fee waivers.

<https://www.hartnell.edu/students/fa/net-price-calculator.html>

BIOLOGY FOR TRANSFER (AST.BIO)

ASSOCIATE IN SCIENCE FOR TRANSFER

Program Outcomes: Upon successful completion of this program a student will be able to:

- apply the scientific method to problem solving, devising a research plan, and evaluating data and findings.
- describe the structure and function of biological molecules, cells and organelles, and tissues and organ systems of plants and animals.
- apply the principles of heredity at the molecular, cellular, and organismal levels.
- explain the mechanism and evidence of evolution through natural selection.
- apply taxonomic principles to the classification of organisms.
- describe the flow of energy within organisms and within ecosystems.

Required Major Courses (29 units)

<input type="checkbox"/>	BIO-1 – Fundamental Biological Concepts	5.0
<input type="checkbox"/>	BIO-2 – General Zoology	5.0
<input type="checkbox"/>	BIO-3 – General Botany	5.0
<input type="checkbox"/>	CHM-1A – General Physics	5.0
<input type="checkbox"/>	CHM-1B – General Physics	5.0
<input type="checkbox"/>	MAT-3A – Analytic Geometry and Calculus I	4.0

Required Courses (Select 1 series 8 units)

<input type="checkbox"/>	PHY-2A – College Physics I AND PHY-2B – College Physics II	4.0
	OR	
<input type="checkbox"/>	PHY-4A – General Physics I/Mechanics AND PHY-4B – General Physics II/Electricity and Magnetism	4.0

Recommended Major Electives (None Required)

<input type="checkbox"/>	CHM-12A – Organic Chemistry I	5.0
<input type="checkbox"/>	CHM-12B – Organic Chemistry II	5.0
<input type="checkbox"/>	MAT-13 – Elementary Statistics	4.0
<input type="checkbox"/>	MAT-3B – Analytic Geometry and Calculus II	4.0
<input type="checkbox"/>	MAT-3C – Analytic Geometry and Calculus III	4.0

SUBTOTAL: 37 UNITS

General Education – Required Courses

Students must complete one of the following General Education Plans:

CSU-GE for STEM (see page 63 of 2019-2020 catalog) **33 units**

IGETC for STEM (see page 65 of 2019-2020 catalog) **31 units**

Students can double-count required courses and courses for General Education

■ Electives (Courses Numbered 1-99) required when degree units plus GE units total fewer than 60.

TOTAL: 60 UNITS



**A Degree With A
Guarantee.com**
*Associate Degree
for Transfer*

In order to earn this degree, students must complete the Associate Degree for Transfer Requirements:

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 GE – Breadth Requirements (CSU GE-Breadth).
 - 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. Obtainment of a minimum grade point average of 2.0

ADTs include (AA-T) and (AS-T) degrees. The law authorizing these degrees also requires that students must earn a “C” or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

BIOLOGY (AS.BIO)

ASSOCIATE OF SCIENCE

Program Outcomes: Upon successful completion of this program a student will be able to:

- apply the scientific method to problem solving, devising a research plan, and evaluating data and findings.
- describe the structure and function of biological molecules, cells and organelles, and tissues and organ systems of plants and animals.
- apply the principles of heredity at the molecular, cellular, and organismal levels.
- explain the mechanism and evidence of evolution through natural selection.
- apply taxonomic principles to the classification of organisms.
- describe the flow of energy within organisms and within ecosystems.

Required Major Courses (34 units)

<input type="checkbox"/> BIO-1 – Fundamental Biological Concepts	5.0
<input type="checkbox"/> BIO-2 – General Zoology	5.0
<input type="checkbox"/> BIO-3 – General Botany	5.0
<input type="checkbox"/> CHM-1A – General Chemistry	5.0
<input type="checkbox"/> CHM-1B – General Chemistry	5.0
<input type="checkbox"/> MAT-13 – Elementary Statistics	5.0
<input type="checkbox"/> MAT-25 – Pre-Calculus	4.0

Major Electives (Select 1 series 8-12 units)

<input type="checkbox"/> PHY-2A/2B – College Physics	8.0
<input type="checkbox"/> PHY-4A/4B/4C – General Physics	12.0

Recommended Major Electives (None Required)

<input type="checkbox"/> CHM-12A – Organic Chemistry I	5.0
<input type="checkbox"/> CHM-12B – Organic Chemistry II	5.0
<input type="checkbox"/> MAT-3A – Analytic Geometry and Calculus I	4.0
<input type="checkbox"/> MAT-3B – Analytic Geometry and Calculus II	4.0
<input type="checkbox"/> MAT-3C – Analytic Geometry and Calculus III	4.0

SUBTOTAL: 42-46 UNITS

General Education – Required Courses

Students must complete one of the following General Education Plans:

HCCD GE (see page 59 of 2019-2020 catalog) **MAT-13 and MAT-25**

- Natural Sciences Social & Behavioral Sciences Humanities
 Ethnic Groups in the US Language and Rationality

SUBTOTAL: 21 UNITS

Students can double-count required courses and courses for General Education

■ **Electives (Courses Numbered 1-199) required when degree units plus GE units total fewer than 60.**

TOTAL: 63-67 UNITS

ENGINEERING

PROGRAMS

- **Associate of Science (A.S.)**

DESCRIPTION

Engineering is the science and art of applying scientific and mathematical principles, experience, judgment, and common sense to design things that benefit society. Engineers are problem-solvers who make things work faster, cheaper, and more efficiently. Technologies developed by engineers improve the ways that we live, communicate, work, travel, stay healthy, and entertain ourselves. From computer chips to cellphones and buildings to automobiles, engineering makes every aspect of our modern life possible.

Hartnell College offers a two-year lower division engineering program that prepares students for transfer in all engineering disciplines to colleges and universities in California and across the United States. The Associate in Science in Engineering offers course work in all fields of engineering from civil through mechanical and electrical and computer engineering. Students who are seeking to transfer to a four-year university and complete their Bachelor of Science in Engineering can find the courses needed to transfer in the Engineering program, as can students who are seeking employment in related fields as engineering technologists, surveyors, or construction managers. Positions for which four-year graduates in engineering are qualified can be found in the fields of engineering, engineering technology, construction management, business, programming, teaching, and research.

The first two years of the engineering curriculum at most colleges and universities have a shared core of mathematics and physics plus a programming course. Beyond that, there is specialization in several areas. As there are different disciplines within engineering, four different tracks have been developed, and each one feeds into one or more majors at the baccalaureate level. The fifth track is appropriate for engineering majors who are not explicitly listed in the first four tracks, such as chemical engineering or biomedical engineering. The five discipline clusters are:

1. Mechanical, Aerospace, and Manufacturing Engineering
2. Civil Engineering
3. Electrical Engineering
4. Computer and Software Engineering
5. General Engineering

LEADS TO CAREER OPPORTUNITIES SUCH AS:

- Aerospace Engineer
- Agricultural Engineer
- Biomedical Engineer
- Chemical Engineer
- Civil Engineer
- Computer Engineer
- Construction Engineer
- Electrical Engineer
- Environmental Engineer
- Industrial Engineer
- Manufacturing Engineer
- Materials Engineer
- Mechanical Engineer
- Nuclear Engineer
- Software Engineer



**HARTNELL
COLLEGE**

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare for transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with Hartnell College counselor to develop a student education plan before beginning their program.

TRANSFER RESOURCES

www.ASSIST.org – CSU and UC Articulation Agreements and Major Search Engine

CSU System Information - <http://www2.calstate.edu>

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Hartnell College offers a full array of financial aid programs, federal loan programs, and fee waivers.

<https://www.hartnell.edu/students/fa/net-price-calculator.html>

ENGINEERING (AS.EGN)

ASSOCIATE OF SCIENCE

Program Outcomes: Upon successful completion of this program a student will be able to:

- employ science and mathematical skills commonly used in engineering fields.
- design a system, component, or process to meet engineering requirements.
- examine engineering problems and determine a strategy.
- describe and differentiate modern engineering tools and practices.

REQUIRED MAJOR COURSES:

COURSES SHARED BY ALL TRACKS

Course Name and Number	Units
EGN 1R Introduction to Engineering	2
MAT 3A Analytical Geometry and Calculus I	4
MAT 3B Analytical Geometry and Calculus I	4
PHY 4A General Physics I/Mechanics	4
PHY 4B General Physics II/Electricity and Magnetism	4
A programming class: Choice of EGN 5 or CSS 2A or CSS 1	3-4

Subtotal: 21-22 units

MECHANICAL/AEROSPACE/MANUFACTURING ENGINEERING TRACK

EGN 8 Statics	3
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CIVIL ENGINEERING TRACK

EGN 8 Statics	3
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ELECTRICAL ENGINEERING TRACK

EGN 6 Circuit Analysis	4
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COMPUTER/SOFTWARE ENGINEERING TRACK


EGN 6 Circuit Analysis	4
CSS 2A Object Oriented Programming	4
EGN 7L Computer Interface with the Physical World Laboratory	1

GENERAL ENGINEERING TRACK

Choose ONE of the following:

EGN 4 Materials Science and Engineering	4
EGN 6 Circuit Analysis	4
EGN 8 Statics	3

REQUIRED MAJOR ELECTIVES

SELECT ONE EMPHASIS TO FOLLOW 	Units	Mechanical/ Aerospace/ Manufacturing	Civil	Electrical	Computer	General
Number of ADDITIONAL units to choose		23	22	12	15	20
<input type="checkbox"/> EGN-1L – Introduction to Engineering Lab	1	X	X	X	X	X
<input type="checkbox"/> EGN-2 – Engineering Graphics	3	X	X			X
<input type="checkbox"/> EGN-4 – Materials Science and Engineering	4	X	X			X
<input type="checkbox"/> EGN-5 – Programming and Problem-Solving in MATLAB	3			X	X	X
<input type="checkbox"/> EGN-6 – Circuit Analysis	4	X				X
<input type="checkbox"/> EGN-7L – Computer Interface with the Physical World Laboratory	1	X		X		X
<input type="checkbox"/> EGN-8 – Statics	3					X
<input type="checkbox"/> EGN-11 – Surveying	3		X			X
<input type="checkbox"/> BIO-1 – Fundamental Biological Concepts	5					X
<input type="checkbox"/> BIO-2 – General Zoology	5					X
<input type="checkbox"/> BIO-3 – General Botany	5					X
<input type="checkbox"/> CHM-1A – General Chemistry I	5	X	X	X	X	X
<input type="checkbox"/> CHM-1B – General Chemistry II	5					X
<input type="checkbox"/> CHM-12A – Organic Chemistry I	5					X
<input type="checkbox"/> CHM-12B – Organic Chemistry I	5					X
<input type="checkbox"/> PHY-4C – General Physics III/ Waves, Heat, Light, Sound, and Modern Physics	4	X	X	X	X	X
<input type="checkbox"/> MAT-3C – Analytical Geometry and Calculus III	4	X	X	X	X	X
<input type="checkbox"/> MAT-5 – Differential Equations	3	X	X	X	X	X
<input type="checkbox"/> MAT-4 – Linear Algebra	3	X	X	X	X	X
<input type="checkbox"/> CSS-1 – Intro to Computer Science & Programming Fundamentals	4					X
<input type="checkbox"/> CSS-2A – Object Oriented Programming	4			X		X
<input type="checkbox"/> CSS-2B – Data Structures and Algorithms	4			X	X	X
<input type="checkbox"/> CSS-3 – Computer Architecture and Assembly Language Programming	4				X	X
<input type="checkbox"/> CSS-7 – Discrete Structures	4				X	X

SUBTOTAL: 37-48 UNITS

General Education –Required Courses

Students must complete one of the following General Education Plans:

CSU-GE for STEM (see page 63 of the 2019-2020 catalog)

33 units

IGETC for STEM (see page 65 of the 2019-2020 catalog)

31 units

Students can double-count required courses and courses for General Education

Partial IGETC-CSU or CSU-GE certification is approved to meet the AS- Engineering general education. For the partial certification: (IGETC/CSU - All AREAS will be completed with minimum units/courses as required and listed on IGETC except AREAS 3 and 4, which is approved with 6 units/2 courses. CSU-GE All AREAS will be completed with minimum units/courses as required and listed on CSU-GE except AREAS C and D, which are approved with 6 units/2 courses). These GE courses are not waived but will be completed after transfer

TOTAL: 61-74 UNITS

ENGINEERING FUNDAMENTALS

PROGRAMS

- **Certificate of Achievement**



**HARTNELL
COLLEGE**

DESCRIPTION

A student completing the Engineering Fundamentals Certificate of Achievement will gain a solid grounding in the basic principles that underlie all engineering disciplines. This certificate provides both academic preparation for and a pathway to internships. When combined with further study, it will lead to the Engineering Associate in Science Degree and/or transfer. This certificate is intended to be completed at the beginning of a student's course of study, while they are at the freshman level. As such, it prepares a student to enter most sophomore-level engineering and STEM support courses. This certificate is specifically designed to encourage and guide students to select their courses in a sequence which enables them to transfer as fast as possible. Recommendations based on majors are as follows:

- Civil or Mechanical engineering majors: Engineering 5 AND Chemistry 1A
- Computer or Software engineering majors: Computer Science 1 AND Computer Science 2A
- Electrical engineering majors: Computer Science 1 AND (Computer Science 2A OR Chemistry 1A)

Students should discuss which options make sense for them with their counselor.

LEADS TO CAREER OPPORTUNITIES SUCH AS:

- Aerospace Engineer
- Biomedical Engineer
- Chemical Engineer
- Civil Engineer
- Computer Engineer
- Electrical Engineer
- Industrial Engineer
- Mechanical Engineer

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare for transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Hartnell College counselor to develop a student education plan before beginning their program.

TRANSFER RESOURCES

www.ASSIST.org – CSU and UC Articulation Agreements and Major Search Engine

CSU System Information - <http://www2.calstate.edu>

FINANCIAL AID

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<https://www.hartnell.edu/students/fa/net-price-calculator.html>

ENGINEERING FUNDAMENTALS (CT.EGN)

CERTIFICATE OF ACHIEVEMENT

Program Outcomes: Upon successful completion of this program a student will be able to:

- demonstrate the ability to write computer programs and apply them towards solving engineering problems.
- acquire, develop, and refine the prerequisite mathematics, physics, and chemistry foundational skills to be successful in sophomore level engineering courses such as Statics, Circuit Analysis, or Materials Science and Engineering.
- formulate and demonstrate a plan to appropriately select the courses they will need to transfer to a four-year university.

Recommended electives by major:

Civil/Mechanical Engineering	EGN-5, CHM-1A
Computer Engineering	CSS-1, CSS-2A
Electrical Engineering	CSS-1, CSS2A or CHM-1A

Required Major Courses (17-19 units)

- | | |
|---|-----|
| <input type="checkbox"/> MAT-3A – Analytic Geometry and Calculus I | 4.0 |
| <input type="checkbox"/> MAT-3B – Analytic Geometry and Calculus II | 4.0 |
| <input type="checkbox"/> PHY-4A – General Physics I/Mechanics | 4.0 |
| <input type="checkbox"/> EGN-1R – Introduction to Engineering | 2.0 |
| OR | |
| EGN-1 – Introduction to Engineering | 3.0 |
| <input type="checkbox"/> ENG-1A – College Composition and Reading | 3.0 |
| OR | |
| ENG-1AX – College Composition and Reading | 4.0 |

Major Electives (Complete 7-9 units)

- | | |
|---|-----|
| <input type="checkbox"/> EGN-5 – Programming and Problem Solving in MATLAB | 3.0 |
| <input type="checkbox"/> CSS-1 – Intro to Computer Science & Programming Fundamentals | 4.0 |
| <input type="checkbox"/> CSS-2A – Object Oriented Programming | 4.0 |
| <input type="checkbox"/> CHM-1A – General Chemistry I | 5.0 |

TOTAL: 24-28 UNITS

GAINFUL EMPLOYMENT INFORMATION:

See the certificate program cost and the employment outlook for graduates by clicking the link below:
<http://www.hartnell.edu/gainful-employment-certificate-programs-0>

FINANCIAL AID

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<https://www.hartnell.edu/students/fa/net-price-calculator.html>

FILM, TELEVISION, AND ELECTRONIC MEDIA

PROGRAM

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



**HARTNELL
COLLEGE**

DESCRIPTION

The Associate in Science degree in Film, Television, and Electronic Media provides a clearly articulated curricular track for students who wish to transfer to baccalaureate Film, Television, and Electronic Media (FTVE) degree programs at a California State University (CSU) campus. This degree provides the lower division FTVE major courses required at many CSUs while exposing students to the core principles of the field. For detailed requirements for individual four-year institutions, students should contact the transfer institution and meet with a counselor for specific transfer course requirements in their major. Courses are designed for the general education student and for those who may pursue FTVE as a major or as a career. Career options include camera operator, production technician, documentary film maker, video producer, radio DJ, radio technician, production assistant, video editor, actor, teacher, or commercial production technician. Careers with a technical emphasis include theatre technician, concert venue technician, theme park technician, stage manager, designer, art director, facilities manager, or technical director.

LEADS TO CAREER OPPORTUNITIES SUCH AS:

- Actor
- Art director
- Camera Operator
- Commercial Production Technician
- Concert Venue Technician
- Designer
- Documentary Film Maker
- Facilities Manager
- Production Assistant
- Production Technician
- Radio DJ
- Radio Technician
- Stage Manager
- Teacher
- Technical Director
- Theater Technician
- Theme park Technician
- Video Editor
- Video Producer

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare for transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Hartnell College counselor to develop a student education plan before beginning their program.

TRANSFER RESOURCES

www.ASSIST.org – CSU and UC Articulation Agreements and Major Search Engine

CSU System Information - <http://www2.calstate.edu>

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Hartnell College offers a full array of financial aid programs, federal loan programs, and fee waivers.

<https://www.hartnell.edu/students/fa/net-price-calculator.html>

FILM, TELEVISION, AND ELECTRONIC MEDIA (AST.FTVE)

ASSOCIATE IN SCIENCE FOR TRANSFER

Program Outcomes: Upon successful completion of this program a student will be able to:

- demonstrate proficiency in theatre, film, television, & electronic media terminology and performance skills, its basic theories, history and techniques, culminating in a media production or live performance on stage.
- conduct and apply analysis and research skills of dramatic texts and instructional materials.
- work effectively as an ensemble member in a fully produced production formulating alternative solutions to theatrical, film, television, & electronic media production situations.
- analyze, interpret, and evaluate their own and others' work in theatre, film, television, & electronic media as a patron and participant.

Required Major Courses (18 units)

- | | | |
|--------------------------|--|-----|
| <input type="checkbox"/> | TAC-50 – Introduction to Film: the Classics to the 1960s | 3.0 |
| <input type="checkbox"/> | TAC-51 – Television Studio Production | 3.0 |
| OR | | |
| | TAC-54 – Video Production Lab – Single Camera | 3.0 |
| <input type="checkbox"/> | TAC-57 – Introduction to Electronic Media | 3.0 |
| <input type="checkbox"/> | TAC-58 – Introduction to Media Writing | 3.0 |
| <input type="checkbox"/> | TAC-59 – Beginning Audio Production | 3.0 |
| <input type="checkbox"/> | TAC-53 – Playwriting and Screenwriting | 3.0 |
| OR | | |
| | ART-78 – Motion Graphics and Design Principles | 3.0 |

SUBTOTAL: 18 UNITS

General Education – Required Courses

Students must complete one of the following General Education Plans:

CSU-GE (see page 63 of the 2019-2020 catalog) **39 units**

IGETC (see page 65 of the 2019-2020 catalog) **37 units**

Students can double-count required courses and courses for General Education

■ **Electives (Courses Numbered 1-99) required when degree units plus GE units total fewer than 60.**

TOTAL: 60 UNITS



**A Degree With A
Guarantee.comSM**
*Associate Degree
for Transfer*

In order to earn this degree, students must complete the Associate Degree for Transfer Requirements:

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 GE – Breadth Requirements (CSU GE-Breadth).
 - 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. Obtainment of a minimum grade point average of 2.0

ADTs include (AA-T) and (AS-T) degrees. The law authorizing these degrees also requires that students must earn a “C” or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.

NURSING—REGISTERED NURSING

PROGRAM

- Associate of Science (A.S.)



**HARTNELL
COLLEGE**

DESCRIPTION

The Hartnell College Associate Degree in Nursing (ADN) is a defined group of pre-requisite and co-requisite courses that prepares students to become registered nurses. The 4-semester course of study consists of classroom, high-fidelity simulation, nursing skills laboratory, seminar, interprofessional, and clinical experiences. Upon successful completion of program requirements, graduates are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). After passing the licensure examination, graduates may practice as registered nurses in a variety of acute and community-based settings. Graduates demonstrate the leadership and comportment required for a professional nurse committed to competence, caring, collaboration, and curiosity, while providing safe, quality nursing care to diverse individuals in various care settings. The Hartnell College ADN Program is fully approved by the California Board of Registered Nursing (BRN) and is accredited by the Accreditation Commission for Education in Nursing (ACEN).

LEADS TO CAREER OPPORTUNITIES SUCH AS:

- Certified Nurse Midwife
- Critical Care Nurse
- ER Nurse
- Health Care Administrator
- Health Educator
- Mental Health Nurse
- Missionary Nurse
- Nurse Administrator
- Nurse Practitioner
- Patient Educator
- Pediatric Nurse
- Public Health Nurse
- Registered Nurse
- Surgical Nurse

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare for transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Hartnell College counselor to develop a student education plan before beginning their program.

TRANSFER RESOURCES

www.ASSIST.org – CSU and UC Articulation Agreements and Major Search Engine

CSU System Information -
<http://www2.calstate.edu>

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Hartnell College offers a full array of financial aid programs, federal loan programs, and fee waivers.

<https://www.hartnell.edu/students/fa/net-price-calculator.html>

TRANSFER STUDENTS

Completing the AS degree does not meet all requirements for transfer. Students planning to transfer to a university should follow the requirements of the four-year university. Information on course equivalencies and major preparation requirements for the University of California (UC) and California State University (CSU) systems is available online at <http://www.assist.org>. Please consult with a Hartnell College counselor to review transfer requirements. Hartnell, Monterey Peninsula, Cabrillo, and Gavilan Colleges are members of the collaborative baccalaureate of science degree in nursing (BSN) program at California State University, Monterey Bay. See <https://www.hartnell.edu/academics-affairs/academics/nah/index.html> and <http://nursing.csumb.edu/>. Students transferring from other nursing programs seeking placement into the second, third, or fourth semesters of the Associate Degree in Nursing Program should contact the Dean of Academic Affairs: Nursing and Allied Health (831.770.6146). Academic counselors evaluate transfer student transcripts for coursework equivalency. Syllabi, course outlines, and catalogs may be requested for the evaluation.

ACCEPTANCE TO THE NURSING (RN) PROGRAM

The Associate Degree in Nursing (ADN) requires separate application and screening procedures that must be completed independently from Hartnell College admission. Acceptance is subject to an annual application process. Because the RN program is impacted, completion of program prerequisites does not guarantee admission. Information can be obtained from the website (<https://www.hartnell.edu/academics-affairs/academics/nah/index.html>), the Nursing and Allied Health Office (831.770.6146), or the Hartnell College Nursing and Allied Health Program academic counselor (831.755.6820). Application forms for the RN Program and informational materials are available on the Hartnell College Nursing and Allied Health web page (<https://www.hartnell.edu/academics-affairs/academics/nah/index.html>). Application forms are available in November of each year for the following Fall semester admission. Completed application forms and required documents must be submitted by the deadline date listed on the application. Students who are conditionally accepted for entry into the ADN program are required to attend a mandatory orientation. At the orientation, admission packets with health, drug, live scan, and background screenings are distributed.

Minimum Requirements for Admissions Eligibility:

1. Hartnell College enrollment or a Hartnell College Application for Admission on file in the Office of Admissions and Records
2. Completion of all prerequisite courses with a minimum of a "C" grade as documented on official transcripts. In-progress courses will not be accepted for admission GPA purposes. Science GPA Requirement: 2.5
3. Success in the Associate Degree in Nursing program is based on theoretical knowledge, nursing skills competency, clinical reasoning, professional behaviors, and their application in the clinical setting. To progress students must achieve at least "C" grades in all nursing courses.

NURSING—REGISTERED NURSING

ASSOCIATE OF SCIENCE

Program Outcomes: Upon successful completion of this program a student will be able to:

- incorporate leadership, management, and legal-ethical principles to guide practice as a professional nurse.
- integrate caring into relationships and nursing interventions that positively influence health outcomes and demonstrate sensitivity to the values of others.
- participate in collaborative relationships through communication with members of the interprofessional healthcare team for the purpose of providing and improving patient care.
- provide competent, evidence-based care to diverse individuals across the lifespan in a variety of healthcare settings.
- employ a spirit of inquiry to effectively communicate, manage knowledge, prevent errors, and support decision-making.

Required General Education Courses:

MUST BE COMPLETED PRIOR TO ACCEPTANCE INTO PROGRAM (24 units)

<input type="checkbox"/> BIO-5 – Human Anatomy	4.0
<input type="checkbox"/> BIO-6 – Introductory Physiology	3.0
<input type="checkbox"/> BIO-6L – Physiology Laboratory	2.0
<input type="checkbox"/> BIO-27 – Principles of Microbiology	4.0
<input type="checkbox"/> ENG-1A – College Composition and Reading	3.0
<input type="checkbox"/> MAT-123 – Intermediate Algebra	5.0
<input type="checkbox"/> PSY-2 – General Psychology	3.0

Additional Required General Education Courses:

MAY BE COMPLETED AFTER ACCEPTANCE INTO THE PROGRAM (6 units)

<input type="checkbox"/> ANT-2 – Introduction to Cultural Anthropology	3.0
OR	
SOC-1 – Introduction to Sociology	3.0
<input type="checkbox"/> Ethnic Group Course _____ (see page 59)	
<input type="checkbox"/> COM-1 – Introduction of Public Speaking	3.0
OR	
COM-3 – Survey of Human Communication	3.0

Required Major Courses (After Acceptance into the program) (39.5 units)

1st SEMESTER – 11.5 units

<input type="checkbox"/> NRN-110 – Foundations for Success for RNS	1.0
<input type="checkbox"/> NRN-30 – Basics of Pharmacology for Nursing Practice	0.5
<input type="checkbox"/> NRN-41 – Nursing Theory I	4.0
<input type="checkbox"/> NRN-41.1 – Nursing Clinical I	4.0
<input type="checkbox"/> NRN-41.2 – Clinical Reasoning Seminar I	1.0
<input type="checkbox"/> NRN-41.3 – Nursing Skills Lab I	1.0

CON'T OF NURSING—REGISTERED NURSING

2nd SEMESTER – 10 units

<input type="checkbox"/>	NRN-42 – Nursing Theory II	4.0
<input type="checkbox"/>	NRN-42.1 – Nursing Clinical II	4.0
<input type="checkbox"/>	NRN-42.2 – Clinical Reasoning Seminar II	1.0
<input type="checkbox"/>	NRN-42.3 – Nursing Skills Lab II	1.0

3rd SEMESTER – 9.5 units

<input type="checkbox"/>	NRN-43 – Nursing Theory III	4.0
<input type="checkbox"/>	NRN-43.1 – Nursing Clinical III	4.0
<input type="checkbox"/>	NRN-43.2 – Clinical Reasoning Seminar III	0.5
<input type="checkbox"/>	NRN-43.3 – Nursing Skills Lab III	1.0

4th SEMESTER – 8.5 units

<input type="checkbox"/>	NRN-44 – Nursing Theory IV	4.0
<input type="checkbox"/>	NRN-44.1 – Nursing Clinical IV	4.0
<input type="checkbox"/>	NRN-44.2 – Clinical Reasoning Seminar IV	0.5

Nursing and Allied Health Electives: (recommended, not required)

<input type="checkbox"/>	NRN-50.41 – Supervised Nursing Skills Practice I	0.5
<input type="checkbox"/>	NRN-50.42 – Supervised Nursing Skills Practice II	0.5
<input type="checkbox"/>	NRN-50.43 – Supervised Nursing Skills Practice III	0.5
<input type="checkbox"/>	NRN-50.44 – Supervised Nursing Skills Practice IV	0.5

SUBTOTAL: 39.5 UNITS

TOTAL: 60 UNITS

NURSING—VOCATIONAL NURSING

PROGRAM

- **Certificate of Achievement**



**HARTNELL
COLLEGE**

DESCRIPTION

The Hartnell College Vocational Nursing (VN) Program is a defined group of prerequisite, general education, and required major courses in a 24-month program of study consisting of classroom, high-fidelity simulation, nursing skills laboratory, and clinical experiences. Licensed vocational nurses perform essential nursing services under the supervision of a registered nurse or physician. Upon successful completion of program requirements, graduates are eligible to take the National Council Licensure Examination for Practical Nurses (NCLEX-PN). After passing, graduates may practice as vocational nurses in a variety of settings, including but not limited to community agencies, medical offices, hospitals, and long-term care facilities. The Hartnell College VN Program is fully approved by the California Board of Vocational Nurses and Psychiatric Technicians (BVN/PT) and is the first vocational nursing program in California to earn Accreditation Commission for Education in Nursing.

GAINFUL EMPLOYMENT INFORMATION:

See the certificate program cost and the employment outlook for graduates by clicking the link below:

<https://www.hartnell.edu/academics-affairs/gecp/>

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Hartnell College offers a full array of financial aid programs, federal loan programs, and fee waivers.

<https://www.hartnell.edu/students/fa/net-price-calculator.html>

LEADS TO CAREER OPPORTUNITIES SUCH AS:

- Home Health Care Provider
- Nursing Technician
- Nursing Assistant and Orderly
- Occupational Therapy Assistant/Aide
- Physical Therapy Aide

ACCEPTANCE TO THE VOCATIONAL NURSING PROGRAM

The VN Program requires separate application and screening procedures that are completed separately from admission processes for Hartnell College. Because the VN program is impacted, completion of program prerequisites does not guarantee admission. Information can be obtained from the website (<http://www.hartnell.edu/nursingandalliedhealth>), the Nursing and Allied Health Office (831.770.6146), the Salinas Valley Health Professions Pathway Program (831.770.6154), or the Hartnell College Nursing and Allied Health academic counselor (831.755.6820).

Application forms for the VN Program and informational materials are available on the Hartnell College Nursing Program webpage (<http://www.hartnell.edu/nursingandalliedhealth>). On-line application forms are available in the fall for admission in the following spring semester. Completed application forms and all official documents of verification must be submitted by the deadline date as stated on the application. Students are responsible for costs related to classroom and clinical learning materials, travel to clinical sites, clinical nursing skills supplies, and standardized assessments. Students accepted into the VN program are required to attend a mandatory orientation. At the orientation, admission packets with health, drug scree, Live Scan, and background check screenings are distributed. Once admitted, the student commitments to full-time study for three semesters. An American Heart Association Health Care Professional Basic Life Support card and all clinical facility background, health, and orientation requirements must be maintained for continuance in the program.

Minimum Requirements for Admissions Eligibility:

1. Hartnell College enrollment or a Hartnell College Application for Admission on file in the Office of Admissions and Records
2. Completion of English 1A, Math 121, Psychology 2, and Biology 11 courses.
3. Completion of high school or equivalent: official high school transcript or equivalent is required. (Board of Vocational Nursing /Psychiatric Technician, Rules and Regulations, Article 5 Section 2530)

Admission is based on a lottery of those candidates that have completed an application, submitted it on time during the admission period, and who meet minimal requirements. Persons not selected may elect to apply again in subsequent years as long as courses are current according to BVNPT standards. Success in the Vocational Nursing Program is based upon theoretical knowledge, nursing skills proficiency, professional comportment, and their application in the clinical setting. To progress and graduate from the vocational nursing program, students must achieve at least "C" grades in all nursing courses.

FOR MORE INFORMATION, CONTACT: Hartnell College Nursing and Allied Health: 831.770.6146
Hartnell College Counselor: 831.755.6820
Email: nursingandalliedhealth@hartnell.edu

NURSING—VOCATIONAL NURSING

CERTIFICATE OF ACHIEVEMENT

Program Outcomes: Upon successful completion of this program a student will be able to:

- articulate the role of the vocational nurse as a member of the health care team, committed to provide safe, quality care for diverse persons and their families.
- provide rationale for judgments used in the provision of safe, quality care and for decisions that promote the health of persons.
- promote the human dignity, integrity, self-determination, and personal growth of persons, oneself, and members of the health care team.
- achieve quality care through effective communication, mutual respect, and shared decision making with the health care team.
- question the basis for nursing actions, considering research, evidence, tradition and personal preferences.

Required General Education Courses: Prior to Acceptance into program (21-24)

1st SEMESTER – 13.5-20.5 units

- | | | |
|--------------------------|---|-------|
| <input type="checkbox"/> | ENG-1A – College Composition and Reading | 3.0 |
| <input type="checkbox"/> | MAT-121 – Elementary Algebra | (5.0) |
| | OR | |
| | MAT-106 – Integrated Mathematics | (3.0) |
| <input type="checkbox"/> | HES-120 ¹ – AHS Basic Life Support for HCP | 0.5 |
| <input type="checkbox"/> | BIO-11* – Intro to Human Anatomy & Physiology | 4.0 |
| | OR | |
| | BIO-5* – Human Anatomy | 4.0 |
| | AND | |
| | BIO-6* – Introductory Physiology | 3.0 |
| | AND | |
| | BIO-6L* – Physiology Lab | 2.0 |
| <input type="checkbox"/> | PSY-2* – General Psychology | 3.0 |

2nd SEMESTER – 16 units

- | | | |
|--------------------------|---|-----|
| <input type="checkbox"/> | NUTR-51* – Essential of Nutrition | 3.0 |
| | OR | |
| | NUTR-1 – Nutrition | 3.0 |
| <input type="checkbox"/> | NRN/NVN-70* – Growth & Development Across the Lifespan | 3.0 |
| | OR | |
| | PSY-25 – Developmental Psychology: Lifespan | 3.0 |
| <input type="checkbox"/> | NVN-110 – Foundations For Success for VN Students | 1.0 |
| <input type="checkbox"/> | NVN-119 – Vocational Nursing Theory I: Fundamentals | 4.0 |
| <input type="checkbox"/> | NVN-119.1 – Vocational Nursing Clinical I: Fundamentals | 4.0 |
| <input type="checkbox"/> | NVN-130A – Basic Pharmacology B | 1.0 |

CON'T OF NURSING—VOCATIONAL NURSING

3rd SEMESTER – 14 units

- | | | |
|--------------------------|--|-----|
| <input type="checkbox"/> | NVN-121 – Vocational Nursing Theory II | 7.0 |
| <input type="checkbox"/> | NVN-121.1 – Vocational Nursing Clinical II | 6.0 |
| <input type="checkbox"/> | NVN-130B – Basic Pharmacology B | 1.0 |

4th SEMESTER – 14 units

- | | | |
|--------------------------|---|-----|
| <input type="checkbox"/> | NVN-123 – Vocational Nursing Theory II | 6.0 |
| <input type="checkbox"/> | NVN-123.1 – Vocational Nursing Clinical III | 7.0 |
| <input type="checkbox"/> | NVN-130C – Basic Pharmacology C | 1.0 |

*Prerequisite and corequisite courses marked with an asterisk must be completed within five (5) years of entering the vocational nursing program per California Code of Regulations, Title 16: Professional Regulations, Division 25: Board of Vocational Nursing and Psychiatric Technicians of the State of California.

¹AHA BLS Health Care Professional card must be current throughout program. Not required to apply. Must be completed prior to NVN 119.

Nursing and Allied Health Electives: (recommended, not required)

- | | | |
|--------------------------|---|-----|
| <input type="checkbox"/> | NVN-150.1 – Supervised Vocational Nursing Skills Practice | 0.3 |
| <input type="checkbox"/> | NRN-60.1 – Simulation for Nursing and Allied Health I | 0.5 |
| <input type="checkbox"/> | NRN-60.2 – Simulation for Nursing and Allied Health II | 0.5 |
| <input type="checkbox"/> | NRN-60.3 – Simulation for Nursing and Allied Health III | 0.5 |
| <input type="checkbox"/> | NRN-60.4 – Simulation for Nursing and Allied Health IV | 0.5 |

SUBTOTAL: 57 UNITS

RESPIRATORY CARE PRACTITIONER

PROGRAM

- Associate of Science (A.S.)



**HARTNELL
COLLEGE**

DESCRIPTION

The Associate of Science in Respiratory Care prepares students to work as Registered Respiratory Therapists (RRTs) in acute and community-based settings such as hospitals, long term care facilities, home care, and clinics. RRTs help people of all ages with a variety of cardiopulmonary disorders. Responsibilities of a RRT include: Evaluating and interpreting clinical and laboratory data to recommend treatment, consulting with members of the healthcare team, educating patients and families, responding to emergencies, and managing patients on life support.

The four-semester course of study consists of classroom, high-fidelity simulation, skills laboratory, seminar, and clinical experiences. Students must travel to clinical sites throughout the program. Clinical experiences are completed in Monterey, Santa Clara, San Luis Obispo, and Santa Barbara counties. Upon successful completion of program requirements, graduates are eligible to take the National Board of Respiratory Care (NBRC) Registry Examination.

Program Outcomes: The Respiratory Care Program (RCP) at Hartnell College will provide skilled graduates to the healthcare community who have obtained their professional license (RCP) and credentials (RRT). Graduates will demonstrate competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs).

LEADS TO CAREER OPPORTUNITIES SUCH AS:

- Health Teacher
- Respiratory Care Practitioner/Therapist
- Respiratory Therapy Technician

TRANSFER PREPARATION

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare for transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Hartnell College counselor to develop a student education plan before beginning their program.

TRANSFER RESOURCES

www.ASSIST.org – CSU and UC Articulation Agreements and Major Search Engine

CSU System Information - <http://www2.calstate.edu>

FINANCIAL AID

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Hartnell College offers a full array of financial aid programs, federal loan programs, and fee waivers.

<https://www.hartnell.edu/students/fa/net-price-calculator.html>

TRANSFER STUDENTS

Completing the AS degree does not meet all requirements for transfer. Students planning to transfer to a university should follow the requirements of the four-year university. Information on course equivalencies and major preparation requirements for the University of California (UC) and California State University (CSU) systems is available online at <http://www.assist.org>. Please consult with a Hartnell College counselor to review transfer requirements.

Students transferring from other RCP programs seeking placement into the second, third, or fourth semesters of the Associate Degree in RCP Program at Hartnell College should contact the Dean of Academic Affairs: Nursing and Allied Health (831.770.6146). The Dean and academic counselors evaluate all transfer student records for course work equivalency. Syllabi, course outlines, and catalogs may be requested for the evaluation.

ACCEPTANCE TO THE RESPIRATORY CARE PRACTITIONER PROGRAM

The Respiratory Care Practitioner Program requires separate application and screening procedures that must be completed independently from regular admission. Because the RCP program is impacted, completion of program prerequisites does not guarantee admission. Information can be obtained from the website (<https://www.hartnell.edu/academics-affairs/academics/nah/index.html>), the Nursing and Allied Health Office (831.770.6146), or the Hartnell College Nursing and Allied Health Program academic counselor (831.755.6820).

Application forms for the Respiratory Care Practitioner Program and informational materials are available on the Hartnell College Respiratory Care Practitioner Program website (<https://www.hartnell.edu/academics-affairs/academics/nah/index.html>). Application forms are posted in December of each year for the following fall semester. Completed application forms and required documents must be submitted by the deadline date as stated on the application. Students are responsible for cost associated with uniforms, clinical and skills supplies, standardized tests and travel expenses to clinical sites, located in Monterey, Santa Clara, Santa Barbara and San Luis Obispo counties. Students accepted for entry into the RCP Program are required to attend the mandatory RCP Orientation Session. At the orientation, admission packets with health/drug screening and background check materials are distributed. Questions regarding these screenings should be directed to the Dean of Academic Affairs: Nursing and Allied Health.

Minimum Requirements for Admissions Eligibility:

1. Hartnell College enrollment or a Hartnell College Application for Admission on file in the Office of Admissions and Records
2. Completion of all prerequisite courses with a minimum of a "C" grade as documented on official transcripts. In-progress courses will not be accepted for admission GPA purposes. Science GPA Requirement: 2.5
3. Current American Heart Association Healthcare Provider Basic Life Support certification (required prior to entry into the program)

Success in the Respiratory Care Practitioner Program is based on theoretical knowledge, RCP skills proficiency, clinical reasoning, professional behaviors, and their application in the clinical setting. Students must achieve at least "C" grades in all RCP major courses.

BACCALAUREATE PREPARATION: Students should consult with a counselor and appropriate college catalog for specific transfer requirements.

FOR MORE INFORMATION, CONTACT: Hartnell College Nursing and Allied Health Program: (831) 770-6146
Email: nah@hartnell.edu
Hartnell College Counselor: (831) 755-6820

RESPIRATORY CARE PRACTITIONER

ASSOCIATE OF SCIENCE

Program Outcomes: Upon successful completion of this program a student will be able to:

- comprehend, apply, and evaluate information necessary to practice as a respiratory care practitioner (cognitive) as evidenced by their ability to
 - evaluate data to assess the appropriateness of prescribed respiratory care
 - participate in the development and modification of respiratory care plans in a variety of settings
 - provide patient, family, and community education
- perform the skills competently as a respiratory care practitioner (psychomotor) as evidenced by their ability to
 - apply problem-solving strategies in the patient care setting
 - perform respiratory therapeutic and diagnostic procedures interventions in a timely manner consistent with patient safety and infection control standards.
- practice professional attitudes and behavior (affective) as evidenced by their ability to
 - demonstrate ethical and professional behaviors
 - demonstrate effective oral and written communication skills
 - interact effectively with other members of the healthcare team
 - communicate effectively in diverse groups while respecting beliefs and values of all persons

Required General Education Courses:

MUST BE COMPLETED PRIOR TO ACCEPTANCE INTO PROGRAM (24 units)

<input type="checkbox"/>	BIO-5 – Human Anatomy	4.0
<input type="checkbox"/>	BIO-6 – Introductory Physiology	3.0
<input type="checkbox"/>	BIO-6L – Physiology Laboratory	2.0
<input type="checkbox"/>	BIO-27 – Principles of Microbiology	4.0
<input type="checkbox"/>	ENG-1A – College Composition and Reading	3.0
<input type="checkbox"/>	MAT-123 – Intermediate Algebra	5.0
<input type="checkbox"/>	PSY-2 – General Psychology	3.0

Required Major Courses (6.5 units)

<input type="checkbox"/>	ANT-2 – Introduction to Cultural Anthropology	3.0
	OR	
	SOC-1 – Introduction to Sociology	3.0
<input type="checkbox"/>	Ethnic Group Course _____ (see page 59 of 2019-2020 catalog)	
<input type="checkbox"/>	COM-1 – Introduction of Public Speaking	3.0
	OR	
	COM-3 – Survey of Human Communication	3.0
<input type="checkbox"/>	HES-120 ³ – American Heart Association Basic Life	0.5

¹ SOC-1 Introduction to Sociology is acceptable in lieu of ANT-2; however, a separate course is required to satisfy the Humanities general education requirement.

³ Or any American Heart Association Healthcare Provider Basic Life Support certification course.

CON'T OF RESPIRATORY CARE PRACTITIONER

Required Major Courses (After acceptance into the program) (44.5 units)

1st SEMESTER – 9.5 units

- | | | |
|--------------------------|---|-----|
| <input type="checkbox"/> | RCP-110 – Foundations for Success | 1.5 |
| <input type="checkbox"/> | RCP-50 – Respiratory Care Practitioner Responsibilities | 1.5 |
| <input type="checkbox"/> | RCP-51 – Pharmacology and Medication Administration | 3.0 |
| <input type="checkbox"/> | RCP-52 – Cardiopulmonary Anatomy and Physiology | 2.0 |
| <input type="checkbox"/> | RCP-53 – Foundational Skills | 1.0 |
| <input type="checkbox"/> | RCP-54 – Supervised Practice: Foundations | 0.5 |

2nd SEMESTER – 12.5 units

- | | | |
|--------------------------|--|-----|
| <input type="checkbox"/> | RCP-60 – Diagnostic Studies and Respiratory Care | 3.0 |
| <input type="checkbox"/> | RCP-61 – Respiratory Therapeutics | 3.0 |
| <input type="checkbox"/> | RCP-62 – Cardiopulmonary Pathophysiology | 2.0 |
| <input type="checkbox"/> | RCP-63 – Beginning Clinical Experience | 4.0 |
| <input type="checkbox"/> | RCP-64 – Supervised Practice: Beginning | 0.5 |

3rd SEMESTER – 11.5 units

- | | | |
|--------------------------|--|-----|
| <input type="checkbox"/> | RCP-70 – Neonatal and Pediatric Respiratory Care | 2.0 |
| <input type="checkbox"/> | RCP-71 – Basic Mechanical Ventilation | 3.0 |
| <input type="checkbox"/> | RCP-72 – Neurological and Traumatic Conditions | 2.0 |
| <input type="checkbox"/> | RCP-73 – Intermediate Clinical Experience | 4.0 |
| <input type="checkbox"/> | RCP-74 – Supervised Practice: Intermediate | 0.5 |

4th SEMESTER – 11 units

- | | | |
|--------------------------|--|-----|
| <input type="checkbox"/> | RCP-80 – Advanced Life Support | 1.5 |
| <input type="checkbox"/> | RCP-81 – Advanced Mechanical Ventilation | 3.0 |
| <input type="checkbox"/> | RCP-82 – Clinical Reasoning Seminar | 2.0 |
| <input type="checkbox"/> | RCP-83 – Advanced Clinical Experiences | 4.0 |
| <input type="checkbox"/> | RCP-84 – Supervised Practice: Advanced | 0.5 |

Respiratory Care Success Courses: (recommended, not required)

- | | | |
|--------------------------|--|-----|
| <input type="checkbox"/> | RCP-225 – Success Strategies for 1 st Semester RCP Students | 0.5 |
| <input type="checkbox"/> | RCP-226 – Success Strategies for 2 nd Semester RCP Students | 0.5 |
| <input type="checkbox"/> | RCP-227 – Success Strategies for 3 rd Semester RCP Students | 0.5 |
| <input type="checkbox"/> | RCP-228 – Success Strategies for 4 th Semester RCP Students | 0.5 |

SUBTOTAL: 44.5 UNITS

TOTAL: 75 UNITS