

DEGREE & CERTIFICATE REQUIREMENTS

Associate in Arts & Associate in Science Degree Graduation Requirements

Requirements for the associate in arts (A.A.) and associate in science (A.S.) degrees include completion of all the following:

- A minimum of 90 units in a defined set of courses;
- A minimum of 18 units successfully completed at Foothill College;
- A grade of C or better in all core and support courses used for the degree;
- A minimum GPA of 2.0 across all college courses including Foothill courses;
- A major or area of emphasis of at least 27 units in a curriculum

will need as preparation for transfer. Because these course requirements may change or be modified and qualified for or deleted from the C-ID database, the student should always check with a counselor to determine how C-ID-designated courses fit into his/her educational plans for transfer.

University of California (UC) Breadth General Education Requirements

The UC has campuses at Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, San Francisco, Santa Barbara and Santa Cruz.

UC campuses have uniform basic eligibility requirements. Each campus is distinct, however, and not all majors are offered at every campus. Each school and college at a specific UC campus has outlined major requirements that prepare you for the academic discipline.

Foothill's counselors and Transfer Center staff can advise you regarding the courses acceptable for credit at UC campuses, as well as those that meet the breadth requirements for specific UC colleges and schools. You can also review this information at assist.org. The Foothill College website at foothill.edu includes the Transfer Course Agreement Listing for all Foothill courses that are transferable to all UC campuses. You should explore all undergraduate colleges, schools and majors to determine which campuses will best satisfy your educational needs. We encourage you to discuss the advantages of each major and campus with a counselor.

Lower-Division Transfer Admission

Many CSU campuses do not accept lower-division transfers.

Be sure to check with the campus if you are considering transfer as a lower-division student. Students who have completed fewer than 60 transferable semester units

(90 quarter units) are considered lower-division transfer

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- Two courses in English composition;
 - One course in mathematical concepts and quantitative reasoning;
 - Four courses chosen from at least two of these subject areas: arts and humanities, social and behavioral sciences, and physical and biological sciences; and
 - Each course must be worth at least 4–A (s72d/f1(i)-3.3 (o)-5.1 (l)-4.2 (o)-10.6 (g)-6.4 (i)-5.4)-ht Td46 (r)/)20 wt Tdm7.6 5n
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II. ENGLISH

ENGL 1A, 1AH, 1S & 1T. Additionally, students who complete the major requirements for the Apprenticeship - Plumbing Technology program will satisfy Area II.

III. NATURAL SCIENCES (WITH LABORATORY)

ANTH 1 w/1L, 1H w/1HL, 13 w/13L; ASTR 10A w/10L, 10B w/10L, 10BH w/10L; BIOL 9 w/9L, 10, 13, 14, 15, 41; CHEM 1A, 1AH, 9, 25, 30A; GEOG 1; PHYS 2A, 4A; PSE 20. Additionally, students who complete the major requirements for the Apprenticeship - Plumbing Technology program will satisfy Area III.

IV. SOCIAL & BEHAVIORAL SCIENCES

ANTH 2A, 2AH, 2B, 3, 5, 8, 12, 14, 15, 20, 22; BUSI 22, 22H, 53; CHLD 1, 2; ECON 1A, 1B, 9, 9H, 25; GEOG 2, 5, 10; HIST 3A, 3B, 3C, 4A, 4B, 4C, 4CH, 8, 10, 17A, 17B, 17C, 17C, 10, 1

2020–2021 Intersegmental General Education Transfer Curriculum (IGETC)

IGETC is a pattern of Foothill College courses that fulfills lower-division general education requirements for transfer to California State University (CSU) and University of California (UC). IGETC is an alternative to the CSU and local UC General Education Breadth Requirements. Many private universities also recognize IGETC for fulfillment of general education requirements. IGETC is a good option for the student who intends to transfer but is undecided about a major and/or unsure about attending CSU or UC. Some majors require extensive lower-division preparation, therefore, IGETC may not be the best choice for general education. Some universities do not accept IGETC. Always consult a counselor when developing an educational plan.

Course requirements for all areas of IGETC must be completed with a grade of C or better and certified by Foothill College for university credit. Submit a request for IGETC certification at the Counseling Center or Admissions Office. For updated information, consult your counselor or visit assist.org.

Completion of IGETC requirements also qualifies students for a Foothill College Certificate of Achievement in Transfer Studies.

AREA 1—ENGLISH COMMUNICATION

CSU: Three courses required, one from Group A, B and C.

UC: Two courses required, one each from Group A and B.

Group A: English Composition, one course: four to five quarter units ENGL 1A or 1AH or 1S and 1T (both 1S and 1T must be completed to satisfy this requirement.)

Group B: Critical Thinking–English Composition, one course: five quarter units ENGL 1B, 1BH, 1C, 1CH, PHIL 1

Group C: Oral Communication (CSU requirement only) one course: five quarter units COMM 1A, 1AH, 1B, 1BH, 2, 3, 4

2020–2021 California State University General Education Breadth Requirements

Foothill College will certify completion of up to 58 quarter units of the 70-unit general education requirement for graduation from the CSU for the student who meets the following course patterns. A minimum of 45 units in GE, including all of Area A and B-4 (Math) must be completed prior to transfer. Courses may not be counted in more than one area. For updated information, consult your counselor or visit assist.org. Completion of the CSU GE requirements also qualifies students for a Foothill College Certificate of Achievement in Transfer Studies.

AREA A–ENGLISH LANGUAGE & CRITICAL THINKING

12–15 quarter (m)-8 (p)-6.2 48*5 (E)-19.3 (A)9 (A-)1a5101 Tf0L/Lang (en-733)-6.4 (n)Er

GIST 12 Introduction to Geospatial Technology (4 units)
or GEOG 12 Introduction to Geospatial Technology (4 units)

Medical Anthropology Certificate of Proficiency (17 units)
[Non-Transcriptable]

There are no English or mathematics proficiency requirements for this certificate.

ANTH 1 Introduction to Physical Anthropology (4 units)
or ANTH 1H Honors Introduction to Physical Anthropology (4 units)
ANTH 2A Cultural Anthropology (4 units)
or ANTH 2AH Honors Cultural Anthropology (4 units)
ANTH 15 Medical Anthropology Methods & Society (4 units)

And ONE course from the following:

ANTH 5 Magic, Science & Religion (4 units)
ANTH 12 Applied Anthropology (4 units)
ANTH 14 Linguistic Anthropology (4 units)
COMM 12 Intercultural Communication (5 units)

Applied Anthropology Certificate of Proficiency (17 units)
[Non-Transcriptable]

There are no English or mathematics proficiency requirements for this certificate.

ANTH 1 Introduction to Physical Anthropology (4 units)
or ANTH 1H Honors Introduction to Physical Anthropology (4 units)
ANTH 2A Cultural Anthropology (4 units)

ASSOCIATE DEGREE FOR TRANSFER - ANTHROPOLOGY

Program Type(s): Associate in Arts for Transfer Degree

Units required for major: 27-28

PROGRAM LEARNING OUTCOMES

- Students will be able to apply an understanding of cross-cultural realities both past and present.
- Students will know how to critically analyze and interpret anthropological data.
- Students will apply anthropological principles for solving human problems on the local, regional and world scales.

ASSOCIATE DEGREE

Core Courses: (12 units)

- ANTH 1 Introduction to Physical Anthropology (4 units)
or ANTH 1H Honors Introduction to Physical Anthropology (4 units)
- ANTH 2A Cultural Anthropology (4 units)
or ANTH 2AH Honors Cultural Anthropology (4 units)
- ANTH 8 Introduction to Archaeology (4 units)

Support Courses: (15-16 units)

Complete 5 units from List A:

List A:

- ANTH 1L Physical Anthropology Laboratory (1 unit)
or ANTH 1HL Honors Physical Anthropology Laboratory (1 unit)
- ANTH 14 Linguistic Anthropology (4 units)
- BIOL 9 Environmental Biology (4 units)
- BIOL 10 General Biology: Basic Principles (5 units)
- BIOL 15 California Ecology/Natural History (5 units)
- MATH 10 Elementary Statistics (5 units)
or MATH 17 Integrated Statistics II (5 units)
or PSYC 7 Statistics for the Behavioral Sciences (5 units)
or SOC 7 Statistics for the Behavioral Sciences (5 units)

And complete ONE course from List B:

List B:

- Any course not used in List A (minimum of 4 units), or any of the following:
GEOG 12 Introduction to Geospatial Technology (4 units)
or GIST 12 Introduction to Geospatial Technology (4 units)
PSYC 10 Research Methods & Designs (5 units)
or SOC 10 Research Methods & Designs (5 units)

And complete 6 units from List C:

List C:

- Any course not used in List A or List B, or any of the following:
ANTH 2B Patterns of Culture (4 units)
ANTH 3 World Prehistory: The Rise & Fall of Early Civilizations (4 units)
ANTH 4 First Peoples of North America (4 units)
ANTH 5 Magic, Science & Religion (4 units)
ANTH 6 Peoples of Africa (4 units)
ANTH 12 Applied Anthropology (4 units)
ANTH 13 Introduction to Forensic Anthropology (4 units)
ANTH 13L Forensic Anthropology Laboratory (1 unit)
ANTH 15 Medical Anthropology: Methods & Practice (4 units)
ANTH 16L Basic Archaeology Laboratory (1 unit)
ANTH 17L Intermediate Archaeology Laboratory (2 units)
ANTH 20 Native Peoples of California (4 units)
ANTH 22 The Aztec, Maya, Inca & Their Predecessors: Civilizations of the Americas (4 units)
ANTH 51 Archaeology Survey (2 units)
ANTH 52 Archaeological Field Methods (4 units)
ANTH 55 Applied Cultural Anthropology Field Methods (1 unit)
ANTH 56 Applied Physical Anthropology Field Methods (1 unit)
ANTH 57 Applied Archaeology Field Methods (1 unit)
ANTH 70R Independent Study in Anthropology (1 unit)
COMM 12 Intercultural Communication (5 units)

- GEOG 2 Human Geography (4 units)
- MUS 2D World Music: Roots to Contemporary Global Fusion (5 units)
- PHIL 24 Comparative World Religions: East (4 units)
or PHIL 25 Comparative World Religions: West (4 units)
- SOC 1 Introduction to Sociology (5 units)
or SOC 1H Honors Introduction to Sociology (5 units)
- SOC 23 Race & Ethnic Relations (4 units)

APPRENTICESHIP - AIR CONDITIONING AND REFRIGERATION TECHNOLOGY

Program Type(s): Associate in Science Degree, Certificate of Achievement

Units required for major: 46, certificate: 46

PROGRAM LEARNING OUTCOMES

- In compliance with applicable standards and codes, students will demonstrate ability to install and remove refrigeration, heating, air conditioning, and ventilation systems, including the appropriate electrical/electronic control systems.
- In compliance with applicable standards and codes, students will demonstrate ability to maintain, repair, extend, and/or alter refrigeration, heating, air conditioning, and ventilation systems, including electronic control systems.

ASSOCIATE DEGREE

Core Courses: (46 units)

- APPT 129 Special Topics (2.5 units)
- APPT 130 Refrigeration & Air Conditioning (10 units)
- APPT 151 RF 101 Basic Refrigeration S0/Lang (en-US)/Mc(to Socu)d (asi v)4 (iew &)3T

APPRENTICESHIP - GENERAL ELECTRICIAN

Program Type(s): Associate in Science Degree, Certificate of Achievement, Career Certificate [Non-Transcriptable]

Units required for major: 40-46, certificate: 18-46

PROGRAM LEARNING OUTCOMES

Students gain hands-on experience as they work on electrical systems and component wiring to include: power distribution systems, electrical panels, wiring, conduit, piping, test equipment, transformers, motors, grounding, over-current protection, security, solar and home automation systems. These specialized skills are acquired through on-the-job training and classroom instruction and lead to employment in the construction and service industry. After five years of classroom and work experience, students who pass the state license exam are recognized as journeypersons in the electrical trades industry.

ASSOCIATE DEGREE

Core Courses: (40-46 units)

APEL 120 Orientation to the Electrical Trade (4 units)
or APEL 120A Orientation to the Electrical Trade, CPR & First Aid (5 units)
APEL 121 Electron Theory; Basic Blueprint Reading; DC Theory; National Electrical Code Introduction (4 units)
or APEL 121A Electron Theory; AC & DC Electrical Theory; NEC Introduction; Parallel & Combination Circuits (5 units)
APEL 122 Codeology; Test Equipment; Pipe Bending; Blueprints (4 units)
or APEL 122A Codeology; NEC Code; Test Equipment; Pipe Bending; Blueprints (5 units)
APEL 123 AC Theory; Transformers; Intermediate National Electrical Code (4 units)
or APEL 123A Grounding & Bonding, Overcurrent Protection, Code & Practices, Blueprints, Codeology Skills (5 units)
APEL 124 DC/AC Theory Review; Electronics; Industrial Blueprints (4 units)
or APEL 124A DC/AC Theory Review; Electronics; Industrial Blueprints; Transformers, Grounding; Electrical Systems (5 units)
APEL 125 NEC Grounding; Overcurrent Protection; Transformer Connections (4 units)
or APEL 125A Fire Alarm Systems, Emergency Communication Systems, Public Emergency Systems (5 units)
APEL 126 Motors; Motor Control; Lighting Protection (4 units)
APEL 127 Digital Electronics; Motor Speed Control; Advanced National Electrical Code (4 units)
APEL 128 Programmable Logic Controllers; Low-Voltage Systems & High-Voltage Systems (4 units)
APEL 129 National Electrical Code Review (4 units)

Certificate of Achievement in Inside Wireman (40-46 units)

The certificate of achievement is awarded upon completion of the core courses. General education courses are not required.

Currently offered at: San Francisco and San Jose.

Residential Electrician Career Certificate (18 units)

[Non-Transcriptable]

APEL 112 Residential Electrical Air Conditioning & Refrigeration; Telephone Systems (3 units)
APEL 113 Residential Electrical Systems: Basic Security, Solar Power, Home Automation & Life Safety (3 units)
APEL 135 Residential Electrical Orientation; Safety & Code Introduction (3 units)
APEL 136 Residential Electrical D/C Theory; Blueprint Reading (3 units)
APEL 137 Residential Electrical A/C Theory & Circuitry (3 units)
APEL 138 Residential Wiring Layout & Installation (3 units)

Currently offered at: San Jose.

APPRENTICESHIP - PIPE TRADES

Program Type(s): Certificate of Achievement

Units required for certificate: 24-42.5

PROGRAM LEARNING OUTCOMES

Students gain expertise and hands-on experience as they work on plumbing systems to include: drain waste and vent systems, systems for various industrial fluids, public or private water systems and gas piping systems. These specialized skills are acquired through on-the-job training and classroom instruction and lead to employment in the construction and service industry. After five years of classroom and work experience, students are recognized as journeypersons within the pipe trades industry.

Certificate of Achievement in Plumbing/Pipefitting/Pipe Trades Apprenticeship (42.5 units)

APPT 161 Safety/OSHA/Tools/Heritage/Service (4 units)
APPT 162 Mathematics/Science for the Plumbing Trade (4.5 units)
APPT 163 Code/Water Supply Systems (4 units)
APPT 164 Drawing I for the Plumbing Trade (4.5 units)
APPT 165 Drawing II for the Plumbing Trade (4 units)
APPT 166 Welding/Oxy-Acetylene Training (4.5 units)
APPT 167 Steam Systems/Rigging/Pipe Fitting & Service (4 units)
APPT 168 Medical Gas/Hydronics/Signal Person (4.5 units)
APPT 169 Advanced Drawing/Layout for the Plumbing Trades/UA Foreman Training (4 units)
APPT 170 Code II/Junior Mechanics Review & Exam (4.5 units)

Certificate of Achievement in Residential Plumbing (24 units)

APPT 121 Introduction to Residential Plumbing, Safety & Tools (2.5 units)
APPT 122 Residential Drainage Systems (2.5 units)
APPT 123 Residential Gas & Water Installations (2.5 units)
APPT 124 Mathematics for Residential Plumbing (2.5 units)
APPT 125 Residential Blueprint Reading (4.5 units)
APPT 126 Residential Piping Layout & Installations; Residential Fixtures (4.5 units)
APPT 127 Residential Plumbing Code (2.5 units)
APPT 128 Residential Gas Installations; Service Work (2.5 units)

APPRENTICESHIP - PLUMBING TECHNOLOGY

Program Type(s): Associate in Science Degree, Certificate of Achievement
Units required for major: 48, certificate: 48

PROGRAM LEARNING OUTCOMES

-In compliance with applicable standards and codes, students will demonstrate ability to install and remove plumbing systems such as drain waste and ventilation systems, systems for various industrial fluids, public or private water systems and gas piping systems.

-In compliance with applicable standards and codes, students will demonstrate ability to maintain, extend, and/or alter plumbing systems, including drain waste and ventilation systems, systems for various industrial fluids, public or private water systems and gas piping systems.

ASSOCIATE DEGREE

Core Courses: (48 units)

APPT 129 Special Topics (2.5 units)
APPT 130 Review & Turnout (2.5 units)
APPT 131 P-101 Basic Plumbing Skills (5 units)
APPT 132 P-102 Applied & Related Theory (4.5 units)
APPT 133 P-201 Beginning Drawing & Design (4.5 units)
APPT 134A P-202A Rigging; Layout (2.5 units)
APPT 134B Industrial Safety (2.5 units)
APPT 135A P-301A Plumbing Fixtures (2.5 units)
APPT 135B P-301B Plumbing Codes (2.5 units)
APPT 136 P-302 Advanced Trade Math for Plumbers (4.5 units)
APPT 137A P-401A Water Systems (2.5 units)
APPT 137B P-401B Applied Welding (2.5 units)
APPT 138 P-402 Advanced Drawing & Blueprint Reading (4.5 units)
APPT 139A Process Piping (2.5 units)
APPT 139B Medical Gas Installations (2.5 units)

Note: Additionally, students who complete the core courses will satisfy Foothill GE Area II, English; Area III, Natural Sciences; and Area IV, Social & Behavioral Sciences.

Certificate of Achievement in Plumbing Technology (48 units)

The certificate of achievement is awarded upon completion of the core courses. General education courses are not required.

Currently offered at: San Jose.

APSM 106 SMQ-6 Beginning Duct Fittings (1.5 units)
APSM 107 SMQ-7 Parallel Line Fittings (1.5 units)
APSM 108 SMQ-8 Triangulation Fittings (1.5 units)
APSM 109 SMQ-9 Radial Line Lay Out & Ogee Offsets (1.5 units)
APSM 110 SMQ-10 Basics of Architectural Sheet Metal (2 units)
APSM 111 SMQ-11 Architectural Sheet Metal (1.5 units)ITmBA(APSM 102 SM)5 (Q-)21.1)

APPRENTICESHIP - SHEET METAL

Program Type(s): Associate in Science Degree, Certificate of Achievement, Career Certificate [Non-Transcriptable]

Units required for major: 61-63, certificate: 6-58

PROGRAM LEARNING OUTCOMES

Students are prepared with the skills and expertise to detail, fabricate and install a variety of sheet metal products in compliance with applicable standards and codes, aiming for optimum environmental and energy efficiency. These highly demanded skills are acquired through on-the-job training and lead to employment in the construction industry. After five years of classroom and work experience students are recognized as journeypersons within the sheet metal industry.

ASSOCIATE DEGREE

Core Courses: (58 units)

APSM 101 SMQ-1 Trade Introduction (3 units)
APSM 102 SMQ-2 Certified Safety & Beginning Trade Math (3 units)
APSM 103 SMQ-3 Sheet Metal Tools & Shop (1.5 units)
APSM 104 SMQ-4 Soldering & Common Seams (2 units)
APSM 105 SMQ-5 Drafting Introduction & Views (2.5 units)

APPRENTICESHIP - SOUND AND COMMUNICATION

Program Type(s): Career Certificate [Non-Transcriptable]

Units required for certificate: 22

PROGRAM LEARNING OUTCOMES

Students gain expertise and hands-on experience as they work on sound and communication systems to include voice systems, data systems, video systems, fire alarm systems, intrusion systems, access control systems, data networking systems, cabling and automation systems. These specialized skills are acquired through on-the-job training and classroom instruction and lead to employment in the construction and service industry. After three years of classroom and work experience students are recognized as installers in the Sound and Communication trade for the electrical industry.

Sound and Communication Installer Career Certificate (22 units)

[Non-Transcriptable]

APSC 111 Job Information, Safety, Test Instruments, Structured Cabling, Fiber Optics (3.5 units)

APSC 112 Codes & Practices, Connectors & Raceways, Blueprint Reading, DC Theory (3.5 units)

APSC 121 AC Theory, Master Clock, Nurse Call, Computer Literacy (3.5 units)

APSC 122 Fire Alarm, Paging, Emergency Communication, Mass Notification Systems (3.5 units)

APSC 131 VDV/Fire Life Safety Prep, Networking, CCTV, CATV & DAS (4 units)

APSC 132 Radio Frequencies, Security Systems, Audio-Visual (4 units)

Currently offered at: Northern California.

APPRENTICESHIP - STEAMFITTING AND PIPEFITTING TECHNOLOGY

Program Type(s): Associate in Science Degree, Certificate of Achievement

Units required for major: 47.5, certificate: 47.5

PROGRAM LEARNING OUTCOMES

-In compliance with applicable standards and codes, students will demonstrate ability to install and remove piping and equipment for complex heating and air conditioning applications and special industrial piping systems, such as those used in semiconductor, biotechnology, and power generation facilities.

-In compliance with applicable standards and codes, students will demonstrate ability to maintain, extend, and/or alter piping and equipment for heating and air conditioning, and for special industrial piping systems, such



HIST 4B History of Western Civilization: 700-1800 (4 units)
HIST 4C History of Western Civilization 1789-Present (4 units)
or HIST 4CH Honors History of Western Civilization 1789-Present (4 units)
HUMN 1 Cultures, Civilizations & Ideas: The Ancient World (4 units)
or HUMN 1H Honors Cultures, Civilizations & Ideas: The Ancient World (4 units)
HUMN 2 Cultures, Civilizations & Ideas: Of Empires & Conflict (4 units)
JAPN 4 Intermediate Japanese I (5 units)
PHIL 11 Introduction to the Philosophy of Art & Aesthetics (4 units)
PHIL 24 Comparative World Religions: East (4 units)
PHIL 25 Comparative World Religions: West (4 units)
PHOT 8 Photography of Multicultural America (4 units)
or PHOT 8H Honors Photography of Multicultural America (4 units)
PHOT 10 History of Photography (4 units)
or PHOT 10H Honors History of Photography (4 units)
SPAN 4 Intermediate Spanish I (5 units)
THTR 26 Introduction to Fashion History & Costume Design (4 units)

BIOLOGICAL SCIENCES

Program Type(s): Associate in Science Degree

Units required for major: 48-54

PROGRAM LEARNING OUTCOMES

-The biology majors sequence prepares students to use the scientific method to formulate questions, design experiments to test hypotheses, interpret experimental results to draw conclusions, communicate results both orally and in writing, and critically evaluate the use of the scientific method from published sources.

-The biology majors sequence prepares students to apply evolutionary theory at the molecular, cellular, organismal and population levels to explain the unity and diversity of living things.

ASSOCIATE DEGREE

Core Courses: (48-54 units)

BIOL 1A Principles of Cell Biology (6 units)
BIOL 1B Form & Function in Plants & Animals (6 units)
BIOL 1C Evolution, Systematics & Ecology (6 units)
CHEM 1A General Chemistry (5 units)
or CHEM 1AH Honors General Chemistry (5 units)
CHEM 1B General Chemistry (5 units)
or CHEM 1BH Honors General Chemistry (5 units)
CHEM 1C General Chemistry & Qualitative Analysis (5 units)

And select ONE option from the following:

Option #1: Organic Chemistry
CHEM 12A Organic Chemistry (4 units)
and CHEM 12AL Organic Chemistry Laboratory (2 units) or CHEM 13AH Honors Organic Chemistry Laboratory (3 units)
CHEM 12B Organic Chemistry (4 units)
and CHEM 12BL Organic Chemistry Laboratory (2 units) or CHEM 13BH Honors Organic Chemistry Laboratory (3 units)
CHEM 12C Organic Chemistry (4 units)
and CHEM 12CL Organic Chemistry Laboratory (2 units) or CHEM 13CH Honors Organic Chemistry Laboratory (3 units)

Option #2: Physics

PHYS 2A General Physics (5 units)
PHYS 2B General Physics (5 units)
PHYS 2C General Physics (5 units)
or
PHYS 4A General Physics (Calculus) (6 units)
PHYS 4B General Physics (Calculus) (6 units)
PHYS 4C General Physics (Calculus) (6 units)

ASSOCIATE DEGREE FOR TRANSFER-BIOLOGY

Program Type(s): Associate in Science for Transfer Degree

Units required for major: 55-58

PROGRAM LEARNING OUTCOMES

-Students will be able to use the scientific process to formulate questions, design experiments to test hypotheses, interpret experimental results to draw conclusions, communicate results both orally and in writing, and critically evaluate the use of the scientific method from published sources.
-Students will be able to apply evolutionary theory at the molecular, cellular, organismal and population levels to explain the unity and diversity of living things.

ASSOCIATE DEGREE

Core Courses: (18 units)

BIOL 1A Principles of Cell Biology (6 units)
BIOL 1B Form & Function in Plants & Animals (6 units)
BIOL 1C Evolution, Systematics & Ecology (6 units)

Support Courses: (37-40 units)

CHEM 1A General Chemistry (5 units)
or CHEM 1AH Honors General Chemistry (5 units)
CHEM 1B General Chemistry (5 units)
or CHEM 1BH Honors General Chemistry (5 units)
CHEM 1C General Chemistry & Qualitative Analysis (5 units)
MATH 1A Calculus (5 units)
or MATH 1AH Honors Calculus I (5 units)
MATH 1B Calculus (5 units)
or MATH 1BH Honors Calculus II (5 units)

And complete ONE of the two sections below:

Section #1:
PHYS 2A General Physics (5 units)
and PHYS 2B General Physics (5 units)
and PHYS 2C General Physics (5 units)

Section #2:
PHYS 4A General Physics (Calculus) (6 units)
and PHYS 4B General Physics (Calculus) (6 units)

BUSINESS ADMINISTRATION

Program Type(s): Associate in Arts Degree, Certificate of Achievement

Units required for major: 45, certificate: 25

PROGRAM LEARNING OUTCOMES

-Students will demonstrate appropriate use of business terms and concepts across a standard breadth of business functions (R&D, Mfg, Sales, Mktg, Ops, IT, Acctg, Finance, etc.).

-Students will demonstrate appropriate use of analytical frameworks, methods, and skills in response to business questions, cases, and projects.

ASSOCIATE DEGREE

Core Courses: (33 units)

ACTG 1A Financial Accounting I (5 units)

BUSI 11 Introduction to Information Systems (5 units)

BUSI 18 Business Law I (5 units)

BUSI 22 Principles of Business (5 units)

or BUSI 22H Honors Principles of Business (5 units)

BUSI 59 Principles of Marketing (4 units)

BUSI 60 Fundamentals of Finance (5 units)

BUSI 90A Principles of Management (4 units)

or BUSI 95 Entrepreneurship-The Business Plan (4 units)

Support Courses: (12 units)

Select 12 units:

Accounting & Finance Courses

ACTG 1B Financial Accounting II (5 units)

or ACTG 1BH Honors Financial Accounting II (5 units)

ACTG 1C Managerial Accounting (5 units)

or ACTG 1CH Honors Managerial Accounting (5 units)

BUSI 45 Fundamentals of Personal Finance (4 units)

BUSI 61 Investment Fundamentals (3 units)

Marketing & Technology Courses

BUSI 12 Introduction to Data Analytics & Business Decisions (4 units)

BUSI 57 Principles of Advertising (4 units)

BUSI 59A Web Marketing (5 units)

BUSI 59B E-Business (5 units)

BUSI 59C Marketing Content Strategy & Branding (4 units)

BUSI 59D Market Analytics & Performance Optimization (4 units)

BUSI 59E Email Marketing (4 units)

BUSI 91L Introduction to Business Information Processing (4 units)

Business Law & Ethics Courses

ACTG 76 Ethics in Accounting (5 units)

BUSI 19 Business Law II (4 units)

BUSI 70 Business & Professional Ethics (4 units)

Management Courses

ACTG 1C Managerial Accounting (5 units)

or ACTG 1CH Honors Managerial Accounting (5 units)

BUSI 87 Human Resources Management (5 units)

BUSI 88A Foundations of Leadership (4 units)

BUSI 90A* Principles of Management (4 units)

BUSI 95* Entrepreneurship-The Business Plan (4 units)

BUSI 96 Entrepreneurship-Starting & Managing a Small Business (3 units)

ECON 1A Principles of Macroeconomics (5 units)

Other Applicable Courses

BUSI 53 Survey of International Business (4 units)

BUSI 70R Independent Study in Business (1 unit)

BUSI 71R Independent Study in Business (2 units)

BUSI 72R Independent Study in Business (3 units)

BUSI 73R Independent Study in Business (4 units)

ECON 1B Principles of Microeconomics (5 units)

GIST 11 Introduction to Mapping & Spatial Reasoning (4 units)

or GEOG 11 Introduction to Mapping & Spatial Reasoning (4 units)

* May be completed only once for credit to satisfy either the core or support course requirement.

Certificate of Achievement in Digital Marketing (25 units)

BUSI 57 Principles of Advertising (4 units)

BUSI 59 Principles of Marketing (4 units)

BUSI 59A Web Marketing (5 units)

BUSI 59C Marketing Content Strategy & Branding (4 units)

BUSI 59D Market Analytics & Performance Optimization (4 units)

BUSI 59E Email Marketing (4 units)

ASSOCIATE DEGREE FOR TRANSFER-BUSINESS ADMINISTRATION

Program Type(s): Associate in Science for Transfer Degree

Units required for major: 44-45

PROGRAM LEARNING OUTCOMES

-Students will develop skills to interpret resource allocation through research in basic financial literacy skills (computation, critical thinking skills), by analyzing the data with understanding of communication/leadership local and in the global sphere of the business world. This is accomplished in writing and in their oral presentations.

-As a result of these basic business experiences, students will develop strategies on to which area of business they may enter.

ASSOCIATE DEGREE

Core Courses: (30 units)

ACTG 1A Financial Accounting I (5 units)

ACTG 1B Financial Accounting II (5 units)

or ACTG 1BH Honors Financial Accounting II (5 units)

ACTG 1C Managerial Accounting (5 units)

or ACTG 1CH Honors Managerial Accounting (5 units)

BUSI 18 Business Law I (5 units)

ECON 1A Principles of Macroeconomics (5 units)

ECON 1B Principles of Microeconomics (5 units)

Support Courses: (14-15 units)

Complete #1 or #2 from List A:

List A:

1. MATH 12* Calculus for Business & Economics (5 units)

2. MATH 10 Elementary Statistics (5 units)

or MATH 17 Integrated Statistics II (5 units)

or PSYC 7 Statistics for the Behavioral Sciences (5 units)

or SOC 7 Statistics for the Behavioral Sciences (5 units)

And complete TWO courses from List B:

List B:

BUSI 11 Introduction to Information Systems (5 units)

or BUSI 91L Introduction to Business Information Processing (4 units)

BUSI 22 Principles of Business (5 units)

or BUSI 22H Honors Principles of Business (5 units)

1.** MATH 12* Calculus for Business & Economics (5 units)

2.** MATH 10 Elementary Statistics (5 units)

or MATH 17 Integrated Statistics II (5 units)

or PSYC 7 Statistics for the Behavioral Sciences (5 units)

or SOC 7 Statistics for the Behavioral Sciences (5 units)

* MATH 1A or MATH 1AH may be substituted for MATH 12.

** If not previously completed for List A. NOTE: for #2, only one course is permitted from: MATH 10, MATH 17, PSYC 7, SOC 7.



C S 31A Introduction to Database Management Systems (4.5 units)
C S 40A Software Engineering Methodologies (4.5 units)
C S 48A Data Visualization (4.5 units)
C S 49 Foundations of Computer Programming (2 units)
C S 50A Network Basics (CCNA) (4.5 units)
C S 55A Introduction to Cloud Computing in Amazon Web Services (4.5



DENTAL HYGIENE

Program Type(s): Bachelor in Science Degree

Units required for major: 195.5

PROGRAM LEARNING OUTCOMES

-Professionalism: The dental hygiene bachelor in science degree graduate will have the skills to implement his/her role as a health professional at the local, state, and national levels. The graduate will possess the ethics, values, skills, and knowledge integral to all aspects of the profession.

-Health Promotion and Disease Prevention: The dental hygiene bachelor in science degree graduate will be competent in the performance and delivery of oral health promotion and disease prevention services in public health, private practice and alternative settings. The graduate will be able to exercise evidence-based practice, critical thinking and communicate effectively in all professional employment settings.

BACHELOR DEGREE

Core Courses: (91 units)

FIRST YEAR

Summer

D H 50 Orientation to Dental Hygiene (1 unit)

Fall

D H 300A Oral Biology I (3 units)

D H 302 Assessment Procedures in Dental Hygiene (3 units)

D H 304 Pre-Clinical Dental Hygiene (4 units)

D H 305A Introduction to Dental Radiography I (2 units)

IDS 300* Research Methodology for Health Professionals (5 units)

Winter

D H 300B Oral Biology II (3 units)

D H 305B Dental Radiography II (1 unit)

D H 308 Clinical Technique (6 units)

D H 310 Dental Materials (3 units)

D H 312 Emergency Procedures (1 unit)

D H 314 Dental Health Education (2 units)

Spring

D H 305C Dental Radiography III (2 units)

D H 316A Periodontics I (3 units)

D H 318 Introduction to Clinic (5 units)

BIOL 300* Human Pathophysiology & Pharmacology (4 units)

HLTH 300* Health Across the Lifespan (5 units)

SECOND YEAR

Summer

D H 320A Clinical Dental Hygiene I (3 units)

D H 322 Local Anesthesia (2.5 units)

Fall

D H 316B Periodontics II (2 units)

D H 320B Clinical Dental Hygiene II (8.5 units)

D H 324 Oral Pathology (2 units)

D H 326A Community Dental Health I (2 units)

D H 328A Clinical Dental Hygiene Theory I (2 units)

Winter

D H 305D Dental Radiography IV (1 unit)

D H 320C Clinical Dental Hygiene III (8.5 units)

D H 326B Community Dental Health II (2 units)

D H 328B Clinical Dental Hygiene Theory II (2 units)

D H 330 Nitrous Oxide/Oxygen Analgesia (1 unit)

Spring

D H 320D Clinical Dental Hygiene IV (8.5 units)

D H 326C Community Dental Health III (2 units)

D H 328C Clinical Dental Hygiene Theory III (2 units)

D H 332 Ethics, Law & Business Practices (3 units)

* Upper Division General Education courses.

DENTAL HYGIENE BACHELOR IN SCIENCE COMPLETION TRACK (64 units)

Core Courses: (64 units*)

Select ONE

DIAGNOSTIC MEDICAL SONOGRAPHY

Program Type(s): Associate in Science Degree, Certificate of Achievement
Units required for major: 115, certificate: 115

PROGRAM LEARNING OUTCOMES

ECON 54H Honors Institute Seminar in Economics (1 unit)
ECON 70R Independent Study in Economics (1 unit)
ECON 71R Independent Study in Economics (2 units)
ECON 72R Independent Study in Economics (3 units)
ECON 73R Independent Study in Economics (4 units)

ASSOCIATE DEGREE FOR TRANSFER-ECONOMICS

Program Type(s): Associate in Arts for Transfer Degree

Units required for major: 29-45

PROGRAM LEARNING OUTCOMES

-Students will have a working understanding of the role of prices in a market economy, the benefits of trade, economic growth and stability, market structures and competition, market failures and the economic role of government.

-Students will be able to employ economic reasoning to explain the world around them and make objective decisions based on assessments of costs and benefits.

ASSOCIATE DEGREE

Core Courses: (20-25 units)

ECON 1A Principles of Macroeconomics (5 units)
ECON 1B Principles of Microeconomics (5 units)
MATH 10 Elementary Statistics (5 units)
or MATH 17 Integrated Statistics II (5 units)
MATH 12 Calculus for Business & Economics (5 units)
or MATH 1A Calculus (5 units) and* MATH 1B Calculus (5 units)
or MATH 1A Calculus (5 units) and* MATH 1BH Honors Calculus II (5 units)
or MATH 1AH Honors Calculus I (5 units) and* MATH 1B Calculus (5 units)
or MATH 1AH Honors Calculus I (5 units) and* MATH 1BH Honors Calculus II (5 units)

* Both courses must be completed to fulfill the requirement.

Support Courses: (9-20 units)

Complete ONE course from List A:

List A:

ACTG 1A Financial Accounting I (5 units)
and* ACTG 1B Financial Accounting II (5 units) or ACTG 1BH Honors Financial Accounting II (5 units)
ACTG 1C Managerial Accounting (5 units)
or ACTG 1CH Honors Managerial Accounting (5 units)
MATH 1B Calculus (5 units) and* MATH 1C Calculus (5 units)
or MATH 1BH Honors Calculus II (5 units) and* MATH 1C Calculus (5 units)

And complete ONE course from List B:

List B:

Any course not used in List A, or any of the following:
ECON 9 Political Economy (4 units)
or POLI 9 Political Economy (4 units)
or ECON 9H Honors Political Economy (4 units)
or POLI 9H Honors Political Economy (4 units)
ECON 25 The Global Economy (4 units)
MATH 1C Calculus (5 units) and* MATH 1D Calculus (5 units)
MATH 2B Linear Algebra (5 units)

* Both courses must be completed to fulfill the requirement.

ASSOCIATE DEGREE FOR TRANSFER-ELEMENTARY TEACHER EDUCATION

Program Type(s): Associate in Arts for Transfer Degree

Units required for major: 79-80.5

PROGRAM LEARNING OUTCOMES

-Students will display an understanding of elementary education and teaching, and will be able to demonstrate their knowledge of children,Äôs growth and development from utero through adolescence.

-Students will leave with a broad, liberal study background, which will help prepare them to teach in an elementary classroom.

ASSOCIATE DEGREE

Core Courses: (70-71 units)

BIOL 10 General Biology: Basic Principles (5 units)
or BIOL 14 Human Biology (5 units)
CHLD 1 Child Growth & Development: Prenatal through Early Childhood (4 units)
CHLD 2 Child Growth & Development II: Middle Childhood through Adolescence (4 units)
COMM 1A Public Speaking (5 units)
or COMM 1AH Honors Public Speaking (5 units)
EDUC 2 Introduction to Elementary Education (5 units)
ENGL 1A Composition & Reading (5 units)
or ENGL 1AH Honors Composition & Reading (5 units)
or ENGL 1T Integrated Composition & Reading (4 units)
ENGL 16 Introduction to Literature (4 units)
GEOG 10 World Regional Geography (4 units)
GEOG 20 Introduction to Earth Science (4 units)
HIST 3A World History from Prehistory to 750 CE (4 units)
HIST 3B World History from 750 CE to 1750 CE (4 units)
HIST 17A History of the United States to 1815 (4 units)
HIST 17B History of the United States from 1812 to 1914 (4 units)
MATH 42 Math for Elementary School Teachers (5 units)
POLI 1 Political Science: Introduction to American Government & Politics (5 units)
PSE 20 Introduction to Physical Science (5 units)

Support Courses: (9-9.5 units)

Complete ONE course from List A:

List A:

ENGL 1B Composition, Critical Reading & Thinking through Literature (5 units)
or ENGL 1BH Honors Composition, Critical Reading & Thinking through Literature (5 units)
ENGL 1C Argumentative Writing & Critical Thinking (5 units)
or ENGL 1CH Honors Argumentative Writing & Critical Thinking (5 units)
PHIL 1 Critical Thinking & Writing (5 units)
PHIL 7 Introduction to Symbolic Logic (5 units)

And complete ONE course from List B:

List B:

ART 1 Introduction to Art (4.5 units)
MUS 1 Introduction to Music (4 units)
THTR 1 Introduction to Theatre (4 units)

And complete OPTIONAL courses from List C*:

List C:

GEOG 2 Human Geography (4 units)
HIST 10 History of California: The Multicultural State (4 units)
HLTH 21 Contemporary Health Concerns (4 units)
SOC 1 Introduction to Sociology (5 units)
or SOC 1H Honors Introduction to Sociology (5 units)
PSYC 49 Human Sexuality (4 units)

*As noted, List C courses are optional, and are not required to satisfy the degree requirements. Please contact a counselor if you have any questions.

ENGINEERING

Program Type(s): Associate in Science Degree

Units required for major: 68

PROGRAM LEARNING OUTCOMES

-Students will be able to formulate logical problem-solving approaches, generate solutions, and assess the reasonableness of the solutions for engineering-type analysis problems.

-Students will be able to design, construct, and produce creative solutions to engineering problems by applying the engineering design process and identifying pertinent design parameters based on the fundamental physics governing a system.

-Students will be able to demonstrate understanding of the fundamental knowledge necessary for the practice of, or for advanced study in, engineering, including scientific principles, rigorous analysis, and problem solving.

-Students will be able to demonstrate clear communication skills, responsible teamwork, professional attitudes and ethics.

-Students will be able to demonstrate a preparation for the complex work environment and continuous learning.

ASSOCIATE DEGREE

Core Courses: (53 units)

CHEM 1A General Chemistry (5 units)

or CHEM 1AH Honors General Chemistry (5 units)

CHEM 1B General Chemistry (5 units)

or CHEM 1BH Honors General Chemistry (5 units)

ENGR 10 Introduction to Engineering (5 units)

MATH 1B Calculus (5 units)

or MATH 1BH Honors Calculus II (5 units)

MATH 1C Calculus (5 units)

MATH 1D Calculus (5 units)

MATH 2A Differential Equations (5 units)

PHYS 4A General Physics (Calculus) (6 units)

PHYS 4B General Physics (Calculus) (6 units)

PHYS 4C General Physics (Calculus) (6 units)

Support Courses: (15 units)

Select 15 units from the following:

C S 1A Object-Oriented Programming Methodologies in Java (4.5 units)

or C S 1AH Honors Object-Oriented Programming Methodologies in Java (4.5 units)

C S 2A Object-Oriented Programming Methodologies in C++ (4.5 units)

C S 3A Object-Oriented Programming Methodologies in Python (4.5 units)

ENGL 5 LGBT Literature (4 units)
 ENGL 7 Native American Literature (4 units)
 ENGL 8 Children's Literature (4 units)
 ENGL 11 Introduction to Poetry (4 units)
 or ENGL 11H Honors Introduction to Poetry (4 units)
 ENGL 12 African American Literature (4 units)
 ENGL 14 Traveling the World through Contemporary Literature (4 units)
 ENGL 17 Introduction to Shakespeare (4 units)
 ENGL 18B Gothic & Horror Literature (4 units)
 ENGL 22 Women Writers (4 units)
 ENGL 24 Unmasking Comics: The Dawn of the Graphic Novel (4 units)
 ENGL 31 Latino/a Literature (4 units)
 ENGL 34C Literature into Film (4 units)
 ENGL 37 Science Fiction Literature: Reimagining Reality (4 units)
 ENGL 38 Literature of Protest (4 units)
 ENGL 40 Asian American Literature (4 units)
 ENGL 41 Literature of Multicultural America (4 units)
 ENGL 49 California Literature: Golden State Cultures, Geographies & Histories (4 units)
 ENGL 70R Independent Study in English (1 unit)
 ENGL 71R Independent Study in English (2 units)
 ENGL 72R Independent Study in English (3 units)
 ENGL 73R Independent Study in English (4 units)

* The student has the option of taking all support courses from the Literature courses.

** If the student chooses to apply ENGL 70R, 71R or 72R to the support course requirement, additional coursework may be required to meet the minimum units for the support courses.

ASSOCIATE DEGREE FOR TRANSFER-ENGLISH

Program Type(s): Associate in Arts for Transfer Degree

Units required for major: 27-34

PROGRAM LEARNING OUTCOMES

-Students will be able to compose a thesis-based essay that clearly communicates a logical, evidence-supported argument.

-Students will demonstrate, in writing, comprehension and critical analysis of college-level texts.

ASSOCIATE DEGREE

Core Courses: (5-9 units)

Select ONE of the following options:

Option 1:

ENGL 1C Argumentative Writing & Critical Thinking (5 units)
 or ENGL 1CH Honors Argumentative Writing & Critical Thinking (5 units)
 ENGL 16 Introduction to Literature (4 units)

Option 2:

ENGL 1B Composition, Critical Reading & Thinking through Literature (5 units)
 or ENGL 1BH Honors Composition, Critical Reading & Thinking through Literature (5 units)

Support Courses: (22-25 units)

Complete TWO courses from List A:

List A:

ENGL 43A Survey of British Literature I: Beowulf to the Late 18th Century (5 units)
 or ENGL 43AH Honors Survey of British Literature I: Beowulf to the Late 18th Century (5 units)
 ENGL 43B Survey of British Literature II: The Romantic Period to the Present (5 units)
 or ENGL 43BH Honors Survey of British Literature II: The Romantic Period to the Present (5 units)

ENGL 45A Survey of American Literature I: Beginnings to 1865 (5 units)
 or ENGL 45AH Honors Survey of American Literature I: Beginnings to 1865 (5 units)
 ENGL 45B Survey of American Literature II: 1865 to the Present (5 units)
 or ENGL 45BH Honors Survey of American Literature II: 1865 to the Present (5 units)
 ENGL 47A World Literature I (5 units)
 or ENGL 47AH Honors World Literature I (5 units)
 ENGL 47B World Literature II (5 units)
 or ENGL 47BH Honors World Literature II (5 units)

And complete TWO courses from List B (or any course from List A not used above):

List B:

CRWR 6 Introduction to Creative Writing (5 units)
 ENGL 11 Introduction to Poetry (4 units)
 or ENGL 11H Honors Introduction to Poetry (4 units)
 ENGL 14 Traveling the World through Contemporary Literature (4 units)
 ENGL 16* Introduction to Literature (4 units)
 ENGL 17 Introduction to Shakespeare (4 units)

* If not used to satisfy the core requirement.

And complete ONE course from List C (or any course from List A or B not used above):

List C:

CRWR 25A Poetry in Community (5 units)
 CRWR 39A Introduction to Short Fiction Writing (5 units)
 CRWR 41A Poetry Writing (5 units)
 ENGL 1B* Composition, Critical Reading & Thinking through Literature (5 units)
 or ENGL 1BH* Honors Composition, Critical Reading & Thinking through Literature (5 units)
 ENGL 1C* Argumentative Writing & Critical Thinking (5 units)
 or ENGL 1CH* Honors Argumentative Writing & Critical Thinking (5 units)
 ENGL 5 LGBT Literature (4 units)
 ENGL 7 Native American Literature (4 units)
 ENGL 8 Children's Literature (4 units)
 ENGL 12 African American Literature (4 units)
 ENGL 18A Vampire Literature: Multicultural Representations of the Blood-sucker (4 units)
 ENGL 22 Women Writers (4 units)
 ENGL 24 Unmasking Comics: The Dawn of the Graphic Novel (4 units)
 ENGL 31 Latino/a Literature (4 units)
 ENGL 34C Literature into Film (4 units)
 ENGL 37 Science Fiction Literature: Reimagining Reality (4 units)
 ENGL 38 Literature of Protest (4 units)
 ENGL 40 Asian American Literature (4 units)
 JAPN 3 Elementary Japanese III (5 units)
 SPAN 3 Elementary Spanish III (5 units)

* If not used to satisfy the core requirement.

ENTERPRISE NETWORKING

Program Type(s): Associate in Science Degree

Units required for major: 40.5

HORT 90E Horticultural & Landscape Photography (1 unit)
HORT 90F Landscape Design: Basic Principles (1 unit)
HORT 90G Landscape Design Forum (1 unit)
HORT 90H Landscape Lighting (1 unit)
HORT 90I Landscape Sustainability Practices (1 unit)
HORT 90K Landscaping with Edibles (1 unit)
HORT 90L Plant Propagation: Basic Skills (1 unit)
HORT 90M Plant Nutrition & Fertilization (1 unit)
HORT 90N Plant Materials: Fall Color (1 unit)
HORT 90P Pruning: Basic Skills (1 unit)
HORT 90Q Residential Irrigation Systems (1 unit)
HORT 90S Sustainable Integrated Pest Management (IPM) (1 unit)
HORT 90U Landscape Design: Perspective Sketching (2 units)
HORT 90V Sustainable Organic Gardening (1 unit)
HORT 90X Water Conservation in Landscape Design (1 unit)
HORT 91A Composting Theory & Techniques (1 unit)
HORT 91C Construction Cost Estimating (1 unit)
HORT 91E Community Gardening (1 unit)
HORT 91F Fine Gardening (1.5 units)

Industry Certification Courses (no minimum required; these courses may be used as support courses for the degree or certificate with approval of program director)

HORT 80E Landscape Certification: Common Core (2 units)
HORT 80F Landscape Certification: Softscape Installation (1 unit)
HORT 80G Landscape Certification: Hardscape Installation (1 unit)
HORT 80I Landscape Certification: Irrigation Installation (2 units)
HORT 80J Landscape Certification: Turf Management (1 unit)
HORT 80K Landscape Certification: Ornamental Maintenance (1 unit)

And complete ONE course from List B:

List B:

Any course not used in List A, or any of the following:

MDIA 2A History of Film 1895-1945 (4 units)

MDIA 2B History of Film 1945-Current (4 units)

MDIA 52 Scriptwriting for Film & Video (4 units)

THTR 1 Introduction to Theatre (4 units)

And complete TWO courses from List C:

List C:

Any course not used in List A or List B, or any of the following:

CRWR 6 Introduction to Creative Writing (5 units)

ENGL 34C Literature into Film (4 units)

GID 45 Digital Sound, Video & Animation (4 units)

GID 47 Motion Graphics (4 units)

HUMN 3 World Myths in Literature Arts & Film (4 units)

or HUMN 3H Honors World Myths in Literature Arts & Film (4 units)

MDIA 2C Current Trends in Film, TV & the Internet (4 units)

MDIA 3 Introduction to Film & Media Criticism (4 units)

MDIA 4 Experimental Film & Video (4 units)

MDIA 5 American Cinema (4 units)

MDIA 6 Film & New Media Genres (4 units)

MDIA 7 Documentary Film (4 units)

MDIA 8A Race & Gender in American Media (4 units)

MDIA 11 Introduction to Popular Culture (4 units)

or MDIA 11H Honors Introduction to Popular Culture (4 units)

MDIA 12 Popular Culture & United States History (4 units)

MDIA 13 Video Games & Popular Culture (4 units)

MDIA 30 Digital Video Editing I (4 units)

MDIA 31 Digital Video Editing II (4 units)

MUS 7F Music in Film (4 units)

THTR 12A Stage & Screen (4 units)

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GEOGRAPHIC INFORMATION SYSTEMS TECHNOLOGY

Program Type(s): Associate in Science Degree, Certificate of Achievement
Units required for major: 42.5-43.5, certificate: 21.5-43.5

PROGRAM LEARNING OUTCOMES

- Students will be able to apply cartographic principles of scale, resolution, projection, data management and spatial analysis to a geographic nature using a geographic information system.
- Students will be able to plan, evaluate and execute an original geographic information systems project.
- Students will be able to demonstrate the ability to communicate orally, in writing and graphically, the outcome of geographic information systems analysis.
- Students will be able to demonstrate an awareness of professional obligations to society, employers and funders and individuals as outlined in the Geographic Information Systems Professional Certification Institute Code of Ethics.

ASSOCIATE DEGREE

Core Courses: (25.5 units)

- GIST 11 Introduction to Mapping & Spatial Reasoning (4 units)
or GEOG 11 Introduction to Mapping & Spatial Reasoning (4 units)
- GIST 12 Introduction to Geospatial Technology (4 units)
or GEOG 12 Introduction to Geospatial Technology (4 units)
- GIST 52 Geospatial Data Acquisition & Management (4 units)
- GIST 53 Advanced Geospatial Technology & Spatial Analysis (4 units)
- GIST 54A Seminar in Specialized Applications of Geographic Information Systems I (2 units)
- GIST 58 Remote Sensing & Digital Image Processing (3 units)
- C S 1A Object-Oriented Programming Methodologies in Java (4.5 units)
or C S 1AH Honors Object-Oriented Programming Methodologies in Java (4.5 units)
- or C S 3A Object-Oriented Programming Methodologies in Java (4.5 units)

- HIST 18 Introduction to Middle Eastern Civilization (4 units)
- HIST 20 History of Russia & the Soviet Union (4 units)
- Humanities
- HUMN 1 Cultures, Civilizations & Ideas: The Ancient World (4 units)
or HUMN 1H Honors Cultures, Civilizations & Ideas: The Ancient World (4 units)
- HUMN 2 Cultures, Civilizations & Ideas: Of Empires & Conflict (4 units)
- HUMN 3 World Myths in Literature Arts & Film (4 units)
or HUMN 3H Honors World Myths in Literature Arts & Film (4 units)
- HUMN 4 Trauma & the Arts (4 units)
or HUMN 4H Honors Trauma & the Arts (4 units)
- HUMN 5 Cultures, Civilizations & Ideas: The Modern World (4 units)
or HUMN 5H Honors Cultures, Civilizations & Ideas: The Modern World (4 units)
- HUMN 6 The Shock of the New: From the Modern to the Contemporary (4 units)
- HUMN 7 Global Religions: Contemporary Practices & Perspectives (4 units)
or HUMN 7H Honors Global Religions: Contemporary Practices & Perspectives (4 units)
- HUMN 9 Once Upon a Time? The Immortal Lure of Fairy Tales (4 units)

Political Science

- POLI 1 Political Science: Introduction to American Government & Politics (5 units)
- POLI 2 Comparative Government & Politics (4 units)
or POLI 2H Honors Comparative Government & Politics (4 units)
- POLI 3 Introduction to Political Philosophy/Political Theory (5 units)
or POLI 3H Honors Introduction to Political Philosophy/Political Theory (5 units)
- POLI 15 International Relations/World Politics (4 units)
or POLI 15H Honors International Relations/World Politics (4 units)

Psychology

- PSYC 1 General Psychology (5 units)
or PSYC 1H Honors General Psychology (5 units)
- PSYC 4 Introduction to Biopsychology (5 units)
- PSYC 10* Research Methods & Designs (5 units)
- PSYC 14 Child & Adolescent Development (4 units)
- PSYC 21** Psychology of Women: Sex & Gender Differences (4 units)
or WMN 21** Psychology of Women: Sex & Gender Differences (4 units)
- PSYC 22 Psychology of Prejudice & Discrimination (4 units)
- PSYC 25 Introduction to Abnormal Psychology (4 units)
- PSYC 30*** Social Psychology (4 units)
- PSYC 33 Introduction to Personality Psychology (4 units)
- PSYC 39 Psychology of Sports (4 units)
- PSYC 40 Human Development (5 units)
- PSYC 49 Human Sexuality (4 units)

Sociology

- SOC 1 Introduction to Sociology (5 units)
or SOC 1H Honors Introduction to Sociology (5 units)
- SOC 8 Popular Culture (4 units)
- SOC 10* Research Methods & Designs (5 units)
- SOC 11 Introduction to Social Welfare (5 units)
- SOC 14 Sociology of Crime (4 units)
- SOC 15 Law & Society (4 units)
- SOC 19 Alcohol & Drug Abuse (4 units)
- SOC 20 Major Social Problems (4 units)
- SOC 23 Race & Ethnic Relations (4 units)
- SOC 28 Sociology of Gender (4 units)
- SOC 30*** Social Psychology (4 units)
- SOC 40 Aspects of Marriage & Family (4 units)
- WMN 21** Psychology of Women: Sex & Gender Differences (4 units)

* The student may complete either PSYC 10 or SOC 10, but not both, to satisfy the core course requirements.

** The student may complete either PSYC 21 or WMN 21, but not both, to satisfy the core course requirements.

*** The student may complete either PSYC 30 or SOC 30, but not both, to satisfy the core course requirements.

C S 3B Intermediate Software Design in Python (4.5 units)
C S 21A Python for Programmers (4.5 units)
C S 22A JavaScript for Programmers (4.5 units)
C S 31A Introduction to Database Management Systems (4.5 units)
C S 48A Data Visualization (4.5 units)



ASSOCIATE DEGREE FOR TRANSFER-GLOBAL STUDIES

Program Type(s): Associate in Arts for Transfer Degree
Units required for major: 32-37

PROGRAM LEARNING OUTCOMES

- Students will be able to identify, analyze, and offer potential solutions to major global challenges from multiple perspectives and worldviews.
- Students will be able to differentiate multiple perspectives on globalization.
- Students will be able to explain how and why the environmental well-being of the world demands personal and collective responsibility.
- Students will be able to explain the interconnectedness of global decisions and events.

ASSOCIATE DEGREE

Core Courses: (8 units)

GLST 1 Introduction to Global Studies (4 units)
GLST 2 Global Issues (4 units)

Support Courses: (24-29 units)

List A:

Complete SIX courses from at least four of the five areas:

Area 1: Culture and Society

ANTH 2A Cultural Anthropology (4 units)
or ANTH 2AH Honors Cultural Anthropology (4 units)
HIST 8 History of Latin America (4 units)

Area 2: Geography

GEOG 1 Physical Geography (5 units)
or GEOG 5 Introduction to Economic Geography (4 units)
GEOG 2 Human Geography (4 units)
GEOG 10 World Regional Geography (4 units)

Area 3: Economics

ECON 1A Principles of Macroeconomics (5 units)
ECON 1B Principles of Microeconomics (5 units)
ECON 9 Political Economy (4 units)
or ECON 9H Honors Political Economy (4 units)

Area 4: Politics

POLI 2 Comparative Government & Politics (4 units)
or POLI 2H Honors Comparative Government & Politics (4 units)
POLI 9 Political Economy (4 units)
or POLI 9H Honors Political Economy (4 units)
POLI 15 International Relations/World Politics (4 units)
or POLI 15H Honors International Relations/World Politics (4 units)

Area 5: Humanities

ART 2E A History of Women in Art (4.5 units)
or HUMN 1 Cultures, Civilizations & Ideas: The Ancient World (4 units) and*
HUMN 2 Cultures, Civilizations & Ideas: Of Empires & Conflict (4 units)
or HUMN 1H Honors Cultures, Civilizations & Ideas: The Ancient World (4 units) and* HUMN 2 Cultures, Civilizations & Ideas: Of Empires & Conflict (4 units)
or PHIL 24 Comparative World Religions: East (4 units) and* PHIL 25 Comparative World Religions: West (4 units)
ENGL 47A World Literature I (5 units)
or ENGL 47AH Honors World Literature I (5 units)
ENGL 47B World Literature II (5 units)
or ENGL 47BH Honors World Literature II (5 units)
JAPN 4 Intermediate Japanese I (5 units)
or SPAN 4 Intermediate Spanish I (5 units)
JAPN 5 Intermediate Japanese II (5 units)
or SPAN 5 Intermediate Spanish II (5 units)
JAPN 6 Intermediate Japanese III (5 units)
or SPAN 6 Intermediate Spanish III (5 units)

* Both courses must be completed to fulfill the requirement.

GRAPHIC AND INTERACTIVE DESIGN

Program Type(s): Associate in Arts Degree, Certificate of Achievement, Skills Certificate [Non-Transcriptable]
Units required for major: 58, certificate: 12-58

PROGRAM LEARNING OUTCOMES

- Students will understand the design process from sketching to final product.
- Students will be able to create unique graphic designs that communicate ideas to others.

ASSOCIATE DEGREE

Core Courses: (50 units)

ART 5A 2-D Foundations (4 units)
GID 1 History of Graphic Design (4 units)
GID 31 Graphic Design Drawing (4 units)
GID 33 Graphic Design Studio I (4 units)
GID 34 Graphic Design Studio II (4 units)
GID 35 Graphic Design Studio III (4 units)
GID 36 Typography (4 units)
GID 41 Digital Art & Graphics (4 units)
GID 55 User Experience (UI/UX)-USaphic Design Studio II (4 units)3TmGID 55 unitEM

GID 60 Careers in the Visual Arts (2 units)
GID 67 Mobile Game Design (4 units)
GID 68B Virtual Reality Game Design (4 units)

Certificate of Achievement in Graphic Design (14 units)



units)
 HUMN 2 Cultures, Civilizations & Ideas: Of Empires & Conflict (4 units)
 HUMN 3 World Myths in Literature Arts & Film (4 units)
 or HUMN 3H Honors World Myths in Literature Arts & Film (4 units)
 HUMN 4 Trauma & the Arts (4 units)
 or HUMN 4H Honors Trauma & the Arts (4 units)
 HUMN 5 Cultures, Civilizations & Ideas: The Modern World (4 units)
 or HUMN 5H Honors Cultures, Civilizations & Ideas: The Modern World (4 units)
 HUMN 6 The Shock of the New: From the Modern to the Contemporary (4 units)
 HUMN 7 Global Religions: Contemporary Practices & Perspectives (4 units)
 or HUMN 7H Honors Global Religions: Contemporary Practices & Perspectives (4 units)
 HUMN 8 Ex Machina: The Paradox of Being Human in the Digital Age (4 units)
 HUMN 9 Once Upon a Time? The Immortal Lure of Fairy Tales (4 units)

INSTRUCTIONAL DESIGN AND TECHNOLOGY

Program Type(s): Certificate of Achievement

Units required for certificate: 27

PROGRAM LEARNING OUTCOMES

- Students will be able to demonstrate how the foundational principles and processes of Instructional Systems Design (ISD) can be applied in any business or education setting to create instructional content.
- Students will be able to develop and conduct program and learner needs analyses using industry standard survey, interview, and observation methods in order to improve the design of an instructional intervention.
- Students will be able to develop instructional products, resources, and projects that align with the specified learning objectives, activities, and assessment methods.
- Students will be able to use formative and summative assessment processes and instruments to evaluate the outcomes of program and student learning objectives.

Certificate of Achievement in Instructional Design and Technology (27 units)

Select 21 units from the following:

LINC 75A Introduction to Instructional Design & Technology (3 units)
 LINC 75B Instructional Technology Strategies (3 units)
 LINC 75C Designing Online Instruction (3 units)
 LINC 80 Multimedia Overview (1 unit)
 LINC 81 Using Digital Images (1 unit)
 LINC 91A Introduction to Assessing Instructional Technology (3 units)
 LINC 91B Evaluating Technology-Based Learning Outcomes (3 units)
 LINC 91C Evaluating Instructional Programs (3 units)
 LINC 92 Seminar in Instructional Design & Technology (3 units)
 GID 33 Graphic Design Studio I (4 units)
 GID 45 Digital Sound, Video & Animation (4 units)
 GID 56 Website Design (4 units)

And 6 units from the following:

LINC 50F Integrating Technology into a Standards-Based Curriculum I (2 units)
 LINC 58 Global Project-Based Learning (2 units)
 LINC 63 Cloud-Based Data Analysis Tools (1 unit)
 LINC 70 Web Page Design Overview (1 unit)
 LINC 72B Adobe InDesign Overview (1 unit)
 LINC 73 Adobe Photoshop Overview (1 unit)
 LINC 79 Multimedia Project Production (2 units)
 LINC 83F Introduction to Digital Video Editing (1 unit)
 LINC 90C Online Collaboration Tools (2 units)
 PHOT 5 Introduction to Photography (4 units)
 PSE 56 Seminar in Teaching Pre-Collegiate Mathematics (1 unit)

JAPANESE

Program Type(s): Associate in Arts Degree

Units required for major: 40

PROGRAM LEARNING OUTCOMES

- The student will be able to communicate with native speakers of Japanese, using the appropriate language, styles, sensitivity and level of respectfulness in various situations.
- The student will demonstrate knowledge of Japanese society, culture and history, and will be able to analyze and discuss cultural differences and similarities.

ASSOCIATE DEGREE

Core Courses: (30 units)

JAPN 1 Elementary Japanese I (5 units)
 JAPN 2 Elementary Japanese II (5 units)
 JAPN 3 Elementary Japanese III (5 units)
 JAPN 4 Intermediate Japanese I (5 units)
 JAPN 5 Intermediate Japanese II (5 units)
 JAPN 6 Intermediate Japanese III (5 units)

Note: For students who can demonstrate proficiency equivalent to one year of college Japanese, JAPN 1, 2 and 3 may be waived. However, if you are waived out of JAPN 1-2-3 (15 units), you must take at least 15 units from the support 8 0 0 82Jo5 PROGRAM Units)Sast 15 CID 4375 DC BT/T1 Tf0 Tc 0 Tw 8 0

2. Dance:

DANC 1A Beginning Ballet (1 unit)
DANC 1B Intermediate Ballet (1 unit)
DANC 1C Advanced Ballet (1 unit)
DANC 2A Beginning Modern Dance (1 unit)
DANC 2B Intermediate Modern Dance (1 unit)
DANC 3A Beginning Jazz Dance (1 unit)
DANC 3B Intermediate Jazz Dance (1 unit)
DANC 4A Beginning Ballroom & Social Dance (1 unit)
DANC 4B Intermediate Ballroom & Social Dance (1 unit)
DANC 4C Advanced Ballroom & Social Dance (1 unit)
DANC 6 Beginning Country-Western Line Dancing (1 unit)
DANC 13A Introduction to Contemporary Dance (1 unit)
DANC 13B Intermediate Contemporary Dance (1 unit)
DANC 14 Dance Conditioning (1 unit)
DANC 18A Introduction to Hip-Hop Dance (1 unit)
DANC 18B Intermediate Hip-Hop Dance (1 unit)

3. Fitness:

PHED 19B Kickboxing for Fitness (1 unit)
PHED 19C Intermediate Kickboxing for Fitness (1 unit)
PHED 19D Advanced Kickboxing for Fitness (1 unit)
PHED 20A Beginning Mat Pilates (1 unit)
PHED 20B Intermediate Mat Pilates (1 unit)
PHED 21 Foundations of Yoga (1 unit)
PHED 21A Beginning Hatha Yoga (1 unit)
PHED 21B Intermediate Hatha Yoga (1 unit)
PHED 21C Advanced Hatha Yoga (1 unit)
PHED 21D Vinyasa Flow Yoga (1 unit)
PHED 21E Restorative Yoga (1 unit)
PHED 22 Beginning Flexibility & Mobility (1 unit)
PHED 22A Intermediate Flexibility & Mobility (1 unit)
PHED 22B Pilates & Yoga (1 unit)
PHED 22C Core Conditioning (1 unit)
PHED 22E Cross Training for Endurance (1 unit)
PHED 23A Trail Hiking (1 unit)
PHED 23B Day Hiking (1 unit)
PHED 27 Walk for Health (1 unit)
PHED 27A Run for Fitness (1 unit)
PHED 27B Intermediate Run for Fitness (1 unit)
PHED 27C Intermediate Walk for Health (1 unit)
PHED 41 Indoor Cycling: Spin (1 unit)
PHED 41A Indoor Cycling: Hills & Sprints (1 unit)
PHED 41B Intermediate Indoor Cycling (1 unit)
PHED 45 Fitness for Life (1 unit)
PHED 45A Foundations of Strength & Conditioning (1 unit)
PHED 45C Circuit Training (1 unit)
PHED 46 Weight Lifting for Health & Fitness (1 unit)
PHED 46A Intermediate Weight Training for Health & Fitness (1 unit)
PHED 46B Advanced Weight Lifting for Health & Fitness (1 unit)
PHED 47B Thighs, Abs & Gluteus (TAG) (1 unit)
PHED 47C High-Intensity Interval Training (HIIT) (1 unit)
PHED 49A Survivor Training (1 unit)
PHED 49B Boot Camp Training (1 unit)

4. Individual Sports:

PHED 15A Beginning Pickleball (1 unit)
PHED 15B Intermediate Pickleball (1 unit)
PHED 17A Beginning Karate (1 unit)
PHED 17B Intermediate Karate (1 unit)
PHED 18 Beginning Tai Chi (Taiji) (1 unit)
PHED 18B Intermediate Tai Chi (Taiji) (1 unit)
PHED 18C Advanced Tai Chi (Taiji) (1 unit)
PHED 24 Introduction to Golf (1 unit)
PHED 24A Swing Development for the Experienced Golfer (1 unit)
PHED 24C Intermediate Golf Course Play (2 units)
PHED 24D Advanced Golf Course Play (2 units)
PHED 25A Swing Analysis (1 unit)
PHED 25B Beginning Golf Course Play (2 units)

PHED 26 Beginning Tennis Skills (1 unit)
PHED 26A Intermediate Tennis (1 unit)
PHED 26C Beginning Doubles Tennis (1 unit)
PHED 36A Beginning Archery (1 unit)
PHED 36B Intermediate Archery (1 unit)
PHED 36C Advanced Archery (1 unit)
PHED 37 Beginning Badminton: Singles & Doubles (1 unit)
PHED 37A Intermediate Badminton: Singles & Doubles (1 unit)
PHED 37B Advanced Badminton: Singles & Doubles (1 unit)
PHED 42 Bowling for Fitness (1 unit)

5. Team Sports:

PHED 31A Futsal: Indoor Soccer Beginning (1 unit)
PHED 31B Futsal: Indoor Soccer Intermediate (1 unit)
PHED 31C Futsal: Indoor Soccer Advanced (1 unit)
PHED 33 Beginning Table Tennis (1 unit)
PHED 33A Intermediate Table Tennis (1 unit)
PHED 38A Basketball Fundamentals (1 unit)
PHED 38B Basketball Game Skills (1 unit)
PHED 38C Beginning Basketball (1 unit)
PHED 40 Beginning Volleyball (1 unit)
PHED 40A Intermediate Volleyball (1 unit)
PHED 43A Ultimate I (1 unit)

B. And complete TWO courses from the following:

BIOL 14 Human Biology (5 units)
CHEM 25 Fundamentals of Chemistry (5 units)
or CHEM 30A Survey of Inorganic & Organic Chemistry (5 units)
EMS 50 Emergency Medical Response (5 units)
MATH 10 Elementary Statistics (5 units)
or MATH 17 Integrated Statistics II (5 units)
or PSYC 7 Statistics for the Behavioral Sciences (5 units)
or SOC 7 Statistics for the Behavioral Sciences (5 units)
PHYS 2A General Physics (5 units) and PHYS 2B General Physics (5 units)
or PHYS 4A General Physics (Calculus) (6 units)

MAKERSPACE COORDINATOR

Program Type(s): Certificate of Achievement

Units required for certificate: 18

PROGRAM LEARNING OUTCOMES

-The student will have acquired the necessary basic skills to create and manage a makerspace or fabrication lab in schools, community centers, and library environments.

-The student will be able to demonstrate appropriate critical thinking and problem-solving skills, creative skills, and collaborative and teamwork skills to provide assistance in a maker or fabrication environment.

Certificate of Achievement in Makerspace Coordinator (18 units)

Prerequisite Skills: Basic skills using standard computer systems and internet-based technologies.

LINC 73H Adobe Illustrator Overview (1 unit)
LINC 77A Design Thinking Process (2 units)
LINC 77C Design Thinking for Teachers (2 units)
LINC 78A Computational Thinking for Educators (2 units)
LINC 82A Introduction to Designing Instructional Technology Projects (3 units)
LINC 84A 3-D Design Concepts (2 units)

And 6 units from the following:

LINC 57 Designing Learner-Centered Instruction (1 unit)
LINC 58A E-Portfolios (1 unit)
LINC 59 Integrating 21st Century Skills into Instruction (2 units)
LINC 60K Game-Based Learning (1 unit)
LINC 77B Design Thinking & Tinkering (2 units)
LINC 77D Design Thinking Challenges (2 units)

LINC 78B Block Based Coding Concepts (2 units)
LINC 78C Project Based Technology Projects (2 units)
LINC 84B 3-D Design & Fabrication (2 units)
LINC 90B Open Education Resources (1 unit)

MATHEMATICS

Program Type(s): Associate in Science Degree

Units required for major: 44-49

PROGRAM LEARNING OUTCOMES

-The student will be able to clearly communicate mathematical ideas through graphs, tables of data, equations and verbal descriptions.
-The student will be able to construct appropriate mathematical models of natural phenomena, develop those models with appropriate mathematical techniques and interpret results of those models.

ASSOCIATE DEGREE

Core Courses: (44-49 units)

MATH 1A Calculus (5 units)
or MATH 1AH Honors Calculus I (5 units) and MATH 1AHP Honors Calculus I Seminar (1 unit)
MATH 1B Calculus (5 units)
or MATH 1BH Honors Calculus II (5 units) and MATH 1BHP Honors Calculus II Seminar (1 unit)
MATH 1C Calculus (5 units)
MATH 1D Calculus (5 units)
MATH 2A Differential Equations (5 units)
MATH 2B Linear Algebra (5 units)
MATH 22 Discrete Mathematics (5 units)
or C S 18 Discrete Mathematics (5 units)

And TWO courses from ONE of the four following options:

Option 1:

PHYS 2A General Physics (5 units)
PHYS 2B General Physics (5 units)
PHYS 2C General Physics (5 units)

Option 2:

PHYS 4A General Physics (Calculus) (6 units)
PHYS 4B General Physics (Calculus) (6 units)
PHYS 4C General Physics (Calculus) (6 units)

Option 3:

CHEM 1A General Chemistry (5 units)
or CHEM 1AH Honors General Chemistry (5 units)
CHEM 1B General Chemistry (5 units)
or CHEM 1BH Honors General Chemistry (5 units)
CHEM 1C General Chemistry & Qualitative Analysis (5 units)

Option 4:

C S 1A Object-Oriented Programming Methodologies in Java (4.5 units)
or C S 1AH Honors Object-Oriented Programming Methodologies in Java (4.5 units)
C S 1B Intermediate Software Design in Java (4.5 units)
C S 1C Advanced Data Structures & Algorithms in Java (4.5 units)
C S 2A Object-Oriented Programming Methodologies in C++ (4.5 units)
C S 2B Intermediate Software Design in C++ (4.5 units)
C S 2C Advanced Data Structures & Algorithms in C++ (4.5 units)
C S 3A Object-Oriented Programming Methodologies in Python (4.5 units)
C S 3B Intermediate Software Design in Python (4.5 units)
C S 3C Advanced Data Structures & Algorithms in Python (4.5 units)

ASSOCIATE DEGREE FOR TRANSFER-MATHEMATICS

Program Type(s): Associate in Science for Transfer Degree

Units required for major: 29.5-31

PROGRAM LEARNING OUTCOMES

-Students will be able to clearly communicate mathematical ideas through graphs, tables of data, equations and verbal descriptions.
-Students will be able to construct appropriate mathematical models of natural phenomena, develop those models with appropriate mathematical techniques and interpret results of those models.

ASSOCIATE DEGREE

Core Courses: (20 units)

MATH 1A Calculus (5 units)
or MATH 1AH Honors Calculus I (5 units)
MATH 1B Calculus (5 units)
or MATH 1BH Honors Calculus II (5 units)
MATH 1C Calculus (5 units)
MATH 1D Calculus (5 units)

Support Courses: (9.5-11 units)

Select ONE course each from List A and List B:

List A:

MATH 2A Differential Equations (5 units)
MATH 2B Linear Algebra (5 units)

List B:

C S 1A Object-Oriented Programming Methodologies in Java (4.5 units)
or C S 1AH Honors Object-Oriented Programming Methodologies in Java (4.5 units)
C S 1B Intermediate Software Design in Java (4.5 units)
C S 1C Advanced Data Structures & Algorithms in Java (4.5 units)
C S 2A Object-Oriented Programming Methodologies in C++ (4.5 units)
C S 3A Object-Oriented Programming Methodologies in Python (4.5 units)
MATH 2A* Differential Equations (5 units)
MATH 2B* Linear Algebra (5 units)
MATH 10 Elementary Statistics (5 units)
or MATH 17 Integrated Statistics II (5 units)
MATH 22 Discrete Mathematics (5 units)
or C S 18 Discrete Mathematics (5 units)
PHYS 4A General Physics (Calculus) (6 units)

* MATH 2A or 2B may be used to satisfy List B requirement if they were not used to meet the requirement for List A.

MUSIC: GENERAL

Program Type(s): Associate in Arts Degree, Certificate of Achievement

Units required for major: 43, certificate: 25

PROGRAM LEARNING OUTCOMES

-Through the study of music history/literature, students examine music masterpieces from multiple eras and cultures, synthesizing information and making judgments as they evaluate how music reflects individual composers' lives, as well as the contemporary social/historical context in which the compositions were created and performed.

-Through music theory/composition, students analyze the structure of music and learn to create their own original works satisfying specific and complex compositional requirements.

-Through music performance, students learn how to apply and express their historical, theoretical, and artistic understandings in a presentation addressing an appropriate audience.

-Using this three-lens framework, students increase their community/global consciousness as they learn to appreciate how music is a potent tool for understanding individual and cultural uniqueness within the larger context of our common humanity.

ASSOCIATE DEGREE

Core Courses: (35 units)

Select SEVEN courses from the following:

MUS 2A Great Composers & Music Masterpieces of Western Civilization (5 units)

or MUS 2AH Honors Great Composers & Music Masterpieces of Western Civilization (5 units)

MUS 2B Great Composers & Music Masterpieces of Western Civilization (5 units)

or MUS 2BH Honors Great Composers & Music Masterpieces of Western Civilization (5 units)

MUS 2C Great Composers & Music Masterpieces of Western Civilization (5 units)

or MUS 2CH Honors Great Composers & Music Masterpieces of Western Civilization (5 units)

MUS 2D World Music: Roots to Contemporary Global Fusion (5 units)

MUS 3A Theory & Musicianship I (5 units)

MUS 3B Theory & Musicianship II (5 units)

MUS 3C Theory & Musicianship III (5 units)

MUS 3D Theory & Musicianship IV (5 units)

Support Courses: (8 units)

Select 8 units from the following:

MUS 1 Introduction to Music (4 units)

MUS 2F History of American Musical Theater (4 units)

MUS 7 Contemporary Musical Styles: Rock, Pop & Jazz (4 units)

or MTEC 72B Producing Music with Ableton Live (4 units)
or MTEC 72C Producing Music with Logic Pro X (4 units)

And ONE course from the following:

MTEC 49 History of Music Technology (4 units)
MUS 9B Music & Media: Hendrix to Hip-Hop (4 units)
MUS 11B Funk, Fusion & Hip-Hop (4 units)
MUS 11D History of Electronic Music: Origins-1970 (4 units)
MUS 11E History of Electronic Music: 1970-Present (4 units)

Support Courses: (8 units)

Select 8 units from the following:

MTEC 49* History of Music Technology (4 units)
MTEC 51B Studio Recording II (4 units)
MTEC 51C Studio Recording III (4 units)
MTEC 52B Mixing & Mastering II (4 units)
MTEC 53A Audio Plug-Ins & Signal Processing (4 units)
MTEC 53B Audio Plug-Ins & Virtual Instruments (4 units)
MTEC 54A Music Theory for Audio Producers (4 units)
MTEC 55B Advanced Sound Design for Games (4 units)
MTEC 55C Music Composition for Games (4 units)
MTEC 57B Surround Sound Production (4 units)
MTEC 60A* Producing in the Home Studio I (4 units)
MTEC 60B Producing in the Home Studio II (4 units)
MTEC 62B Composing & Producing Electronic Music II (4 units)
MTEC 62C Composing & Producing Electronic Music III (4 units)
MTEC 66A Music Video Production (4 units)
MTEC 70A* Pro Tools 101-Avid Certification (4 units)
MTEC 70B Pro Tools 110-Avid Certification (4 units)
MTEC 70C Pro Tools 201-Avid Certification (4 units)
MTEC 70D Pro Tools 210M-Avid Certification (4 units)
MTEC 70E Pro Tools 210P-Avid Certification (4 units)
MTEC 70F Pro Tools 310M-Avid Certification (4 units)
MTEC 70G Pro Tools 310P-Avid Certification (4 units)
MTEC 72A* Producing Music with Reason (4 units)
MTEC 72B* Producing Music with Ableton Live (4 units)
MTEC 72C* Producing Music with Logic Pro X (4 units)
MTEC 80A Music Business (4 units)
MTEC 80B Entertainment Law & New Media (4 units)
MTEC 80C Basics of Music Publishing (4 units)
MTEC 82A Careers in Music Technology (4 units)
MTEC 82B Marketing Your Music (4 units)
MTEC 82C Introduction to the Video Game Business (3.5 units)
MTEC 84A Music & Medicine (4 units)
or MUS 83A Music & Medicine (4 units)
MTEC 88A Songwriter's Workshop (4 units)
MTEC 88B Modern Song Composition (4 units)
MTEC 88C Advanced Song Structure (4 units)
MUS 7F Music in Film (4 units)
MUS 11D* History of Electronic Music: Origins-1970 (4 units)
MUS 11E* History of Electronic Music: 1970-Present (4 units)
MUS 11F Video Games & Popular Culture (4 units)
or MDIA 13 Video Games & Popular Culture (4 units)
MUS 70R Independent Study in Music/Music Technology (1 unit)
MUS 71R Independent Study in Music/Music Technology (2 units)
MUS 72R Independent Study in Music/Music Technology (3 units)
MUS 73R Independent Study in Music/Music Technology (4 units)
MDIA 1 Introduction to Film Studies (4 units)
or MDIA 1H Honors Introduction to Film Studies (4 units)
MDIA 11 Introduction to Popular Culture (4 units)
or MDIA 11H Honors Introduction to Popular Culture (4 units)
MDIA 20 Fundamentals of Media Production (4 units)
MDIA 30 Digital Video Editing I (4 units)

* May be completed only once for credit to satisfy either the core or support course requirements.

Certificate of Achievement in Game Audio (24 units)

MTEC 55A Introduction to Game Audio (4 units)
MTEC 55B Advanced Sound Design for Games (4 units)
MTEC 55C Music Composition for Games (4 units)

Certificate of Achievement in Music Technology (40 units)

The certificate of achievement is awarded after completion of the core and support courses. General education courses are not required.

MTEC 54A Music Theory for Audio Producers (4 units)
MTEC 84A Music & Medicine (4 units)

Pro Tools Certificate of Proficiency (16 units)

[Non-Transcriptable]

MTEC 70A Pro Tools 101-Avid Certification (4 units)
MTEC 70B Pro Tools 110-Avid Certification (4 units)
MTEC 70C Pro Tools 201-Avid Certification (4 units)
MTEC 70D Pro Tools 210M-Avid Certification (4 units)
or MTEC 70E Pro Tools 210P-Avid Certification (4 units)

NON-CREDIT: BRIDGE TO COLLEGE LEVEL ENGLISH

Program Type(s): Certificate of Competency



PARAMEDIC

Program Type(s): Associate in Science Degree, Certificate of Achievement
Units required for major: 76.5, certificate: 76.5

PROGRAM LEARNING OUTCOMES

- Graduates will become knowledgeable in multiple areas of anatomy and pathophysiology of various illness and injury, which will help the paramedic to provide competent patient care.
- Graduates will have outstanding clinical assessment and skills.
- Graduates will meet or exceed the requirements for state licensure in California.

ASSOCIATE DEGREE

Core Courses: (76.5 units)

First Quarter

- AHS 50A Introduction to Allied Health Programs (1.5 units)
- AHS 60C Advanced Cardiac Life Support (2 units)
- EMS 60A Paramedic Cognitive & Affective IA (9 units)
- EMS 60B Paramedic Cognitive, Psychomotor & Affective IB (3 units)

Second Quarter

- AHS 50B Interprofessional Patient Competencies (0.5 unit)
- EMS 61A Paramedic Cognitive & Affective IIA (9 units)
- EMS 61B Paramedic Cognitive, Affective & Psychomotor IIB (3 units)
- EMS 63A Paramedic Hospital Specialty Rotations (2 units)

Third Quarter

- AHS 60D Pediatric Advanced Life Support (AHA PALS) (2 units)
- AHS 60F Prehospital Trauma Life Support (PHTLS) (2 units)
- EMS 62A Paramedic Cognitive & Affective IIIA (9 units)
- EMS 62B Paramedic Cognitive, Affective & Psychomotor IIIB (3 units)

Fourth Quarter

- EMS 63B* Paramedic Hospital Emergency Department Rotations (4.5 units)

Fifth Quarter

- EMS 64A* Paramedic Ambulance Field Internship I (13 units)

Sixth Quarter

- EMS 64B* Paramedic Ambulance Field Internship II (13 units)

* Students may have the option of completing the program in five quarters, by taking EMS 63B during the third quarter, 64A during the fourth quarter, and 64B during the fifth quarter. For more information, contact program staff.

Certificate of Achievement in Paramedic (76.5 units)

The certificate of achievement is awarded upon completion of the core courses. General education courses are not required; however, the program prerequisite requirements must be met.

PERSONAL TRAINER

Program Type(s): Certificate of Achievement
Units required for certificate: 37

PROGRAM LEARNING OUTCOMES

In addition to demonstrating competency in required coursework, graduates will have important job skills in the areas of interpersonal interaction, communication, creativity, honesty, leadership and motivation, teamwork, patience, enthusiasm, and the ability to work with a diversity of people and run a business.

Certificate of Achievement in Personal Trainer (37 units)

- BUSI 95 Entrepreneurship-The Business Plan (4 units)

- ITRN 50 Internship (1 unit)
- KINS 8A Theory & Concepts of Exercise Physiology I (5 units)
- KINS 8B Theory & Concepts of Exercise Physiology II (5 units)
- KINS 9 Basic Nutrition for Sports & Fitness (5 units)
- KINS 15 First Aid & CPR/AED (1 unit)
- KINS 48 Fitness Assessment Techniques for the Personal Trainer (4 units)
- KINS 53 Current Topics in Personal Training (2 units)
- KINS 65A PNF: Introduction to the Upper Extremity (3 units)
- KINS 65B PNF: Introduction to the Lower Extremity (3 units)
- KINS 81 Introduction to Adaptive Fitness (4 units)

PHARMACY TECHNOLOGIAN

Program Type(s): Associate in Science Degree, Certificate of Achievement
Units required for major: 52, certificate: 52

PROGRAM LEARNING OUTCOMES

PHILOSOPHY

Program Type(s): Associate in Arts Degree

Units required for major: 34

PROGRAM LEARNING OUTCOMES

-Students will be able to critically analyze and evaluate arguments regarding issues of metaphysics and epistemology.

-Students will be able to critically analyze and evaluate arguments regarding issues of ethics and political philosophy.

ASSOCIATE DEGREE

Core Courses: (14 units)

PHIL 4 Introduction to Philosophy (4 units)

PHIL 8 Ethics (5 units)

And select ONE course from the following:

PHIL 1 Critical Thinking & Writing (5 units)

PHIL 7 Introduction to Symbolic Logic (5 units)

Support Courses: (20 units)

Select 12 units from the following:

PHIL 2 Introduction to Social & Political Philosophy (4 units)

PHIL 11 Introduction to the Philosophy of Art & Aesthetics (4 units)

PHIL 12 Philosophy of Science (4 units)

PHIL 20A History of Philosophy (4 units)

PHYSICS

Program Type(s): Associate in Science Degree

Units required for major: 59

PROGRAM LEARNING OUTCOMES

- Students will know basic physics principles.
- Students will be able to apply their knowledge to practical, theoretical and experimental problems.
- Students will be prepared to advance to the next step in careers in science, industry and education.

ASSOCIATE DEGREE

Core Courses: (59 units)

CHEM 1A General Chemistry (5 units)
or CHEM 1AH Honors General Chemistry (5 units)
CHEM 1B General Chemistry (5 units)
or CHEM 1BH Honors General Chemistry (5 units)
MATH 1B Calculus (5 units)
or MATH 1BH Honors Calculus II (5 units)
MATH 1C Calculus (5 units)
MATH 1D Calculus (5 units)
MATH 2A Differential Equations (5 units)
MATH 2B Linear Algebra (5 units)
PHYS 4A General Physics (Calculus) (6 units)
PHYS 4B General Physics (Calculus) (6 units)
PHYS 4C General Physics (Calculus) (6 units)
PHYS 4D General Physics (Calculus) (6 units)

ASSOCIATE DEGREE FOR TRANSFER-PHYSICS

Program Type(s): Associate in Science for Transfer Degree

Units required for major: 44

PROGRAM LEARNING OUTCOMES

- Students will know basic physics principles.
- Students will be able to apply their knowledge to practical, theoretical and experimental problems.
- Students will be prepared to advance to the next step in careers in science, industry and education.

ASSOCIATE DEGREE

Core Courses: (44 units)

MATH 1A Calculus (5 units)
or MATH 1AH Honors Calculus I (5 units)
MATH 1B Calculus (5 units)
or MATH 1BH Honors Calculus II (5 units)
MATH 1C Calculus (5 units)
MATH 1D Calculus (5 units)
PHYS 4A General Physics (Calculus) (6 units)
PHYS 4B General Physics (Calculus) (6 units)
PHYS 4C General Physics (Calculus) (6 units)
PHYS 4D General Physics (Calculus) (6 units)

POLITICAL SCIENCE

Program Type(s): Associate in Arts Degree

Units required for major: 35

PROGRAM LEARNING OUTCOMES

- Students will be able to demonstrate critical, analytical, research and writing skills in political science and its sub-fields using basic scientific tools underlying modern social science.
- Students will be able to analyze the major theoretical formulations and concepts of political science and its sub-fields and the philosophical basis of those formulations.

ASSOCIATE DEGREE

Core Courses: (18 units)

POLI 1 Political Science: Introduction to American Government & Politics (5 units)
POLI 2 Comparative Government & Politics (4 units)
or POLI 2H Honors Comparative Government & Politics (4 units)
POLI 3 Introduction to Political Philosophy/Political Theory (5 units)
or POLI 3H Honors Introduction to Political Philosophy/Political Theory (5 units)
POLI 15 International Relations/World Politics (4 units)
or POLI 15H Honors International Relations/World Politics (4 units)

Support Courses: (17 units)

Select 9 units from the following:

ECON 1A Principles of Macroeconomics (5 units)
HIST 17A History of the United States to 1815 (4 units)
or HIST 17B History of the United States from 1812 to 1914 (4 units)
or HIST 17C History of the United States from 1914 to the Present (4 units)
or HIST 17CH Honors History of the United States from 1914 to the Present (4 units)
POLI 4 California Politics & Government (5 units)
POLI 9 Political Economy (4 units)
or POLI 9H Honors Political Economy (4 units)
or ECON 9 Political Economy (4 units)
or ECON 9H Honors Political Economy (4 units)

**ASSOCIATE DEGREE FOR TRANSFER-POLITICAL
SCIENCE**

Program Type(s): Associate in Arts for Transfer Degree

ASSOCIATE DEGREE FOR TRANSFER-PSYCHOLOGY

Program Type(s): Associate in Arts for Transfer Degree

Units required for major: 28-30

PROGRAM LEARNING OUTCOMES

-Students will be able to recognize the diversity of behavior of various populations and be able to explain, interpret, apply, and evaluate a broad base of concepts in the various fields of psychology.

-Students will be able to apply critical thinking skills and psychological theories to real-world situations, and to be able to apply research methodology and data analysis in the process of answering questions about human behavior.

ASSOCIATE DEGREE

Core Courses: (20 units)

Certificate of Achievement in Interventional Pulmonology Assistant (16 units)

RSPT 82 Orientation to Interventional Pulmonology (2 units)

RSPT 83 Case-Based Analysis & Critical Thinking in Diagnostic Interventional Pulmonology (2 units)

RSPT 84 Fundamentals of Pulmonary Disease (3 units)

RSPT 85 Interventional Pulmonology Theory & Application (3 units)

RSPT 86 Interventional Pulmonology Procedures (3 units)

RSPT 87A Interventional Pulmonology Clinical Internship I (1 unit)



(4 units)

POLI 1 Political Science: Introduction to American Government & Politics

(5 units)

POLI 15 International Relations/World Politics (4 units)

or POLI 15 Honors International Relations/World Politics (5 units) (5 DC BT 8 0 0) JET/sL1(omei)8 36 TSY enitsEMC 1 (n)5 its)16.1 0) JETMC /Span Lang (en-US)/MCID 6014 DC

Area 2: Arts and Humanities:

ART 2E A History of Women in Art (4.5 units)

ENGL 5 LGBT Literature (4 units)

ENGL 22 Women Writers (4 units)

ENGL 38 Literature of Protest (4 units)

Area 3: Social Science:

COMM 10 Gender, Communication & Culture (5 units)

HLTH 20 Introduction to Public Health (5 units)

PSYC 21 Psychology of Women: Sex(5 DC BT 8 0 0) JET/sL1(omei)8 36 TSY enits)16JETEMC its)



ASSOCIATE DEGREE FOR TRANSFER-SOCIOLOGY

Program Type(s): Associate in Arts for Transfer Degree

Units required for major: 27-28

PROGRAM LEARNING OUTCOMES

-Students will be able to demonstrate a working knowledge of the core concepts of sociology: social structure, culture, social stratification and inequality, race, ethnicity, gender and globalization.

SPORTS MEDICINE (FORMERLY ATHLETIC INJURY CARE)

Program Type(s): Associate in Science Degree

Units required for major: 49

PROGRAM LEARNING OUTCOMES

-Students will demonstrate an entry-level knowledge and skill in a variety of sports medicine disciplines, including athletic training, physical therapy, strength and conditioning and emergency medical care.

-Students will be able to provide quality medical care for Foothill College intercollegiate athletic teams.

ASSOCIATE DEGREE

Core Courses: (49 units)

BIOL 40A Human Anatomy & Physiology I (5 units)

BIOL 40B Human Anatomy & Physiology II (5 units)

BIOL 40C Human Anatomy & Physiology III (5 units)

CHEM 25 Fundamentals of Chemistry (5 units)

or CHEM 30A Survey of Inorganic & Organic Chemistry (5 units)

KINS 1 Introduction to Kinesiology (5 units)

KINS 16A Prevention of Athletic Injuries (3 units)

KINS 16B Emergency Athletic Injury Care (3 units)

KINS 16C Treatment & Rehabilitation of Athletic Injuries (3 units)

KINS 62A Clinical Experiences in Sports Medicine I (3 units)

KINS 62B Clinical Experiences in Sports Medicine II (3 units)

KINS 62C Clinical Experiences in Sports Medicine III (3 units)

KINS 62D Clinical Experiences in Sports Medicine IV (3 units)

KINS 62E Clinical Experiences in Sports Medicine V (3 units)

Elective Courses: (Recommended units)

These courses are recommended to fulfill the additional elective requirements to reach 90 units for the degree as they augment the major:

BIOL 45 Introduction to Human Nutrition (4 units)

CHEM 1A General Chemistry (5 units)

or CHEM 1AH Honors General Chemistry (5 units)

CHEM 1B General Chemistry (5 units)

or CHEM 1BH Honors General Chemistry (5 units)

CHEM 1C General Chemistry & Qualitative Analysis (5 units)

HLTH 21 Contemporary Health Concerns (4 units)

KINS 4 Concepts of Physical Fitness & Wellness (4 units)

KINS 9 Basic Nutrition for Sports & Fitness (5 units)

KINS 15 First Aid & CPR/AED (1 unit)

KINS 48 Fitness Assessment Techniques for the Personal Trainer (4 units)

KINS 53 Current Topics in Personal Training (2 units)

KINS 65A PNF: Introduction to the Upper Extremity (3 units)

KINS 65B PNF: Introduction to the Lower Extremity (3 units)

KINS 81 Introduction to Adaptive Fitness (4 units)

MATH 10 Elementary Statistics (5 units)

PHYS 2A General Physics (5 units)

PHYS 2B General Physics (5 units)

PHYS 2C General Physics (5 units)

PSYC 1 General Psychology (5 units)

or PSYC 1H Honors General Psychology (5 units)

examination and critical evaluation of culturally significant works of art.

-Graduates will be able to critique and analyze two- and three-dimensional creative projects using the current principles, theories and language of art and design.

ASSOCIATE DEGREE

Core Courses: (21 units)

ART 2B History of Western Art from the Middle Ages to the Renaissance (4.5 units)

or ART 2BH Honors History of Western Art from the Middle Ages to the Renaissance (4.5 units)

ART 2C History of Western Art from the Baroque to Modernism (4.5 units)

ART 4A Fundamentals in Drawing (4 units)

ART 5A 2-D Foundations (4 units)

ART 5B 3-D Foundations (4 units)

Support Courses: (16.5 units)

Complete ONE course from List A:

List A:

ART 2A History of Art: History of Western Art from Prehistory through Early Christianity (4.5 units)

or ART 2AH Honors History of Art: History of Western Art from Prehistory through Early Christianity (4.5 units)

ART 2F Introduction to Asian Art (4.5 units)

ART 3 History of Modern Art from Post-Impressionism to the Present (4.5 units)

And complete 12 units from three areas in List B:

List B:

Drawing Area:

ART 4B Intermediate Drawing (4 units)

and* ART 4C Representational Drawing (4 units)

ART 4D Figure Drawing I (4 units)

and* ART 4E Heads & Hands Drawing (4 units)

Painting Area:

ART 19A Oil Painting I (4 units)

or ART 19B Acrylic Painting I (4 units)

ART 19C Oil Painting II (4 units)

Color Area:

ART 20A Color I (4 units)

and* ART 20B Color II (4 units)

Ceramics Area:

ART 45A Beginning Ceramics Handbuilding (4 units)

Sculpture Area:

ART 5C Sculpture (4 units)

ART 44 Ceramic Sculpture (4 units)

Other Studio Arts Area:

ART 47A Watercolor I (4 units)

ART 47B Watercolor II (4 units)

Digital Art Area:

GID 41 Digital Art & Graphics (4 units)

Photography Area:

PHOT 5 Introduction to Photography (4 units)

* Both courses must be completed to fulfill the requirement.

ASSOCIATE DEGREE FOR TRANSFER-STUDIO ARTS

Program Type(s): Associate in Arts for Transfer Degree

Units required for major: 37.5

PROGRAM LEARNING OUTCOMES

-Graduates will be equipped with the fundamental formal two- and three-dimensional foundation-level technical skills, materials, concepts, and methods.

-Graduates will gain strong awareness of cultural art traditions through the

THEATRE ARTS

Program Type(s): Associate in Arts Degree, Certificate of Achievement

Units required for major: 44-48, certificate: 28

PROGRAM LEARNING OUTCOMES

-Students will be able to proceed to further educational opportunities or entry-level workforce employment in their prescribed area of the performing arts with a minimal adjustment period.

-Students will be able to employ skill sets of collaboration relevant to multiple arenas of alliance or teamwork within the performing arts arena.

ASSOCIATE DEGREE

Core Courses: (28-40 units)

THTR 1 Introduction to Theatre (4 units)

THTR 20A Acting I (4 units)

THTR 31 Management for the Theatre & Stage (4 units)

And select ONE of the following track options:

Option 1: General Theatre Studies (16 units)

THTR 2A History of Dramatic Literature: Classical to Moliere (4 units)

THTR 2B History of Dramatic Literature: Moliere to Modern (4 units)

or THTR 8 Multicultural Theatre Arts in Modern America (4 units)

And 4 units from the following:

THTR 45A Technical Theatre in Production I (4 units)

THTR 45E Technical Theatre Management in Production (6 units)

THTR 47A Introduction to Musical Theatre Production (6 units)

THTR 49A Performance Production I (6 units)

And 4 units from the following:

THTR 21A Scenery & Property Construction (4 units)

THTR 42 Introduction to Theatre Design (4 units)

Option 2: Acting Performance (28 units)

THTR 2A History of Dramatic Literature: Classical to Moliere (4 units)

THTR 20B Acting II (4 units)

THTR 20C Acting III (4 units)

THTR 40A Basic Theatrical Makeup (4 units)

THTR 48B Singing Technique for Musical Theatre (4 units)

And 4 units from the following:

THTR 45A Technical Theatre in Production I (4 units)

THTR 45E Technical Theatre Management in Production (6 units)

THTR 47A Introduction to Musical Theatre Production (6 units)

THTR 49A Performance Production I (6 units)

And 4 units from the following:

THTR 21A Scenery & Property Construction (4 units)

THTR 42 Introduction to Theatre Design (4 units)

Option 3: Musical Theatre Performance (25 units)

DANC 3A Beginning Jazz Dance (1 unit)

THTR 2F History of American Musical Theatre (4 units)

THTR 40A Basic Theatrical Makeup (4 units)

THTR 48B Singing Technique for Musical Theatre (4 units)

THTR 48C Musical Theatre Repertoire for Singers (4 units)

And 4 units from the following:

THTR 45A Technical Theatre in Production I (4 units)

THTR 45E Technical Theatre Management in Production (6 units)

THTR 47A Introduction to Musical Theatre Production (6 units)

And 4 units from the following:

THTR 21A Scenery & Property Construction (4 units)

THTR 42 Introduction to Theatre Design (4 units)

Support Courses: (8-16 units)

For Option 1 (General Theatre Studies), select an additional 16 units from the following:

THTR 2F History of American Musical Theatre (4 units)

or THTR 12A Stage & Screen (4 units)

or THTR 43A Script Analysis (4 units)

THTR 20B Acting II (4 units)

or THTR 63A Film & Television Acting Workshop (4 units)

THTR 25 Introduction to Fashion & Costume Construction (4 units)

or THTR 40A Basic Theatrical Makeup (4 units)

THTR 43E Improvisation (4 units)

or THTR 48B Singing Technique for Musical Theatre (4 units)

For Option 2 (Acting Performance), select an additional 8 units from the following:

THTR 38D Stage Combat (2 units)

THTR 43A Script Analysis (4 units)

THTR 43C Foundations in Classical Acting (4 units)

THTR 43E Improvisation (4 units)

THTR 48A Vocal Production & Speech (4 units)

THTR 48G Introduction to Voice-Over Acting (4 units)

THTR 57 Actor Marketing Strategies (4 units)

THTR 63A Film & Television Acting Workshop (4 units)

For Option 3 (Musical Theatre Performance), select an additional 8 units from the following:

THTR 20B Acting II (4 units)

THTR 20C Acting III (4 units)

THTR 38D Stage Combat (2 units)

THTR 43A Script Analysis (4 units)

THTR 43E Improvisation (4 units)

Certificate of Achievement in Acting (28 units)

THTR 20A Acting I (4 units)

THTR 20B Acting II (4 units)

THTR 20C Acting III (4 units)

THTR 40A Basic Theatrical Makeup (4 units)

And select 12 units from the following:

THTR 38D Stage Combat (2 units)

THTR 43E Improvisation (4 units)

THTR 48A Vocal Production & Speech (4 units)

THTR 48B Singing Technique for Musical Theatre (4 units)

THTR 48G Introduction to Voice-Over Acting (4 units)

THTR 57 Actor Marketing Strategies (4 units)

THTR 63A Film & Television Acting Workshop (4 units)

ASSOCIATE DEGREE FOR TRANSFER-THEATRE ARTS

Program Type(s): Associate in Arts for Transfer Degree

Units required for major: 28-32

PROGRAM LEARNING OUTCOMES

-Students will be able to proceed to further educational opportunities or entry-level workforce employment in their prescribed area of the performance

TRANSFER STUDIES - CSU GE

Program Type(s): Certificate of Achievement

Units required for Certificate: 52

Certificate of Achievement in Transfer Studies - CSU GE (52 units)

AREA A: Communication in the English Language & Critical Thinking (minimum 12 units)

CSU admission requires completion of one course from each of the following areas: A1, A2 and A3.

A1. Oral Communication: COMM 1A, 1AH, 1B, 1BH, 2, 3, 4.

A2. Written Communication: ENGL 1A, 1AH, 1B, 1BH, ENGL 1S & 1T (if 1S & 1T are selected to satisfy this area, both 1S & 1T must be completed).

A3. Critical Thinking: ENGL 1B, 1BH, 1C, 1CH; PHIL 1, 7.

AREA B: Natural Sciences & Mathematics (12-15 units)

Complete one course from category B1, B2, and B4. One Physical or Biological Science must include a laboratory experience (noted with asterisk).

B1. Physical Science: ASTR 10A, 10B, 10BH, 10L*; CHEM 1A*, 1AH*, 1B*, 1BH*, 1C*, 9*, 12A, 12AL*, 12B, 12BL*, 12C, 12CL*, 13AH*, 13BH*, 13CH*, 25*, 30A*, 30B*; GEOG 1*, 20; PHYS 2A*, 2B*, 2C*, 4A*, 4B*, 4C*, 4D*, 6, 12, 12H; PSE 20*.

AREA 5: Physical & Biological Sciences (9-12 units)

Complete at least two courses: one Physical Science course and one Biological Science course; at least one must include a laboratory (noted with asterisk*).

NOTE: Either UC or CSU may limit credit (please see a Foothill College Counselor for clarification).

Physical Sciences: ASTR 10A, 10B, 10BH, 10L*; CHEM 1A*, 1AH*, 1B*, 1BH*, 1C*, 9*, 12A, 12AL*, 12B, 12BL*, 12C, 12CL*, 13AH*, 13BH*, 13CH*, 25*, 30A*, 30B*; GEOG 1*, 20; PHYS 2A*, 2B*, 2C*, 4A*, 4B*, 4C*, 4D*, 6, 12, 12H; PSE 20*.

Biological Sciences: ANTH 1, 1H, 1HL*, 1L*, 13, 13L*; BIOL 1A*, 1B*, 1C*, 1D, 9, 9L*, 10*, 12, 13*, 14*, 15*, 40A*, 40B*, 40C*, 41*, 45.

AREA 6: Language Other Than English (UC requirement only)

Proficiency equivalent to two years of high school study in the same language with a grade of "C" or better or completion of one of the following courses. If Foothill College courses are not used to satisfy this requirement, students must provide official documentation of completion elsewhere:

JAPN 2, 3, 4, 5, 6; SPAN 2, 3, 4, 5, 6.

Note: Courses completed for this certificate of achievement must be on the approved list during the year in which they were taken. Consult a Foothill College counselor for clarification.

VETERINARY TECHNOLOGY

Program Type(s): Associate in Science Degree, Certificate of Achievement
Units required for major: 92, certificate: 12.5

PROGRAM LEARNING OUTCOMES

-The student will demonstrate entry-level competency in the necessary knowledge, skills, and abilities required for the practice of veterinary technology in a wide range of practice settings.

-The graduates will demonstrate entry-level clinical skills competency in accordance with accreditation requirements.

ASSOCIATE DEGREE

Core Courses: (92 units)

FIRST YEAR

Summer

AHS 50A Introduction to Allied Health Programs (1.5 units)

Fall

VT 51A Freshman Seminar (1 unit)

VT 53A Veterinary Medical Terminology (2 units)

VT 54A Comparative Veterinary Anatomy & Physiology for the Veterinary Technician (5 units)

VT 55 Small Animal Nursing I (4 units)

VT 75A Animal Care Skills I (2 units)

Winter

VT 51B Current Topics in Veterinary Technology II (1 unit)

VT 53B Medical Calculations for Veterinary Nurses (2 units)

VT 54B Comparative Veterinary Anatomy & Physiology for the Veterinary Technician (5 units)

VT 56 Small Animal Nursing II (4 units)

VT 60 Veterinary Office Practice (2 units)

VT 75B Animal Care Skills II (2 units)

Spring

VT 51C Service Learning & Leadership for Veterinary Nurses (1 unit)

VT 53C Introduction to Large Animal Nursing (2 units)

VT 75C Large Animal Skills Laboratory (1 unit)

VT 81 Clinical Pathology Methods (5 units)

VT 86 Laboratory Animal Nursing (4 units)

VT 89 Clinical Internship I (3 units)

SECOND YEAR

Fall

VT 51D Senior Seminar (1 unit)

VT 57L Advanced Small Animal Nursing (1 unit)

VT 61 Animal Diseases (6 units)

VT 70 Fundamentals of Veterinary Diagnostic Imaging (4 units)

VT 91 Clinical Internship II (3 units)

Winter

VT 51E Current Topics in Veterinary Technology V (1 unit)

VT 58L Surgical Assisting for the Veterinary Nurse (1 unit)

VT 72 Principles of Veterinary Dentistry (2.5 units)

VT 83 Pharmacology for Veterinary Nurses (4 units)

VT 85 Veterinary Emergency & Critical Care (4 units)

VT 92 Clinical Internship III (3 units)

Spring

VT 51F Career Exploration for Veterinary Nurses (1 unit)

VT 66 Exotic Animal Care (2 units)

VT 84 Anesthesiology for Technicians (4 units)

VT 84L Veterinary Anesthesia Laboratory (2 units)

VT 93 Clinical Internship IV (3 units)

VT 95 Veterinary Technician Proficiency (2 units)

Note: All courses must be taken in sequence and completed with a grade of "C" or better.

Certificate of Achievement in Veterinary Assisting (12.5 units)

VT 52A Veterinary Assisting I (5 units)

VT 52B Veterinary Assisting II (5 units)

VT 88A Clinical Preceptorship I (2.5 units)

Note: It is recommended that any student entering this program be able to

WOMEN'S STUDIES

Program Type(s): Associate in Arts Degree

Units required for major: 32

PROGRAM LEARNING OUTCOMES

-The student will be able to identify connections between specific people, groups, events and ideas and larger sociological, psychological, historical and gender studies specific themes, developments and topics.

-The student will be able to critically analyze a variety of primary and secondary sources and draw valid sociological, psychological, historical, and gender studies interpretations from them.

ASSOCIATE DEGREE

Core Courses: (16 units)

SOC 28 Sociology of Gender (4 units)

WMN 5 Introduction to Women's Studies (4 units)

WMN 11 Women in Global Perspective (4 units)

WMN 21 Psychology of Women: Sex & Gender Differences (4 units)

or PSYC 21 Psychology of Women: Sex & Gender Differences (4 units)

Support Courses: (16 units)

Select 16 units from the following:

COMM 10 Gender, Communication & Culture (5 units)

KINS 10 Women in Sports (5 units)

PSYC 14 Child & Adolescent Development (4 units)

PSYC 22 Psychology of Prejudice & Discrimination (4 units)

SOC 30 Social Psychology (4 units)

or PSYC 30 Social Psychology (4 units)

SOC 40 Aspects of Marriage & Family (4 units)

SOSC 20 Cross-Cultural Perspectives for a Multicultural Society (4 units)

WMN 70R Independent Study in Women's Studies (1 unit)

WMN 71R Independent Study in Women's Studies (2 units)

WMN 72R Independent Study in Women's Studies (3 units)

WMN 73R Independent Study in Women's Studies (4 units)