The Associate in Arts in Economics for Transfer (AA-T in Economics) is a 60 unit program which provides students the lower division coursework required for transfer to a CSU institution for the major in Economics.

Students who complete the Associate in Arts in Economics for Transfer degree (AA-T in Economics) will be able to:

- explain how individuals and firms make choices under scarcity;
- describe the major players and institutions that facilitate the market economy;
- analyze economic models as they apply to market economies and specific product and factor markets.

Students must complete the following requirements:

- 60 semester or 90 quarter CSU-transferable units;
- the California State University-General Education-Breadth pattern (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern;
- a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district; obtainment of a minimum grade point average (GPA) of 2.0;
- earn a grade of C or better in all courses required for the major or area of emphasis.

Students are not required to complete the information competency requirements, GE requirements or cultural diversity requirements found in other degrees at the College.

After completing an AA-T in Economics, a student should be able to:

- Describe the major players and institutions that facilitate the market economy;
- Explain how individuals and firms make choices under scarcity;
- Analyze economic models as they apply to market economies and specific product and factor markets.

**List A: Select one course: 3-5 units**

- MATH 008 Finite Mathematics 3 units
- MATH 003B Calculus and Analytical Geometry 5 units
- ACCT 010 Financial Accounting 5 units
- ACCT 011 Managerial Accounting 5 units
- CIST 002 Introduction to Computing 4 units
- BUSN 078 Business Communication 3 units

**List B: Select one or any List A course not already used.**

- MATH 004C Linear Algebra 4 units
- MATH 004A Intermediate Calculus 5 units

**Total Major Units** 22-27

**GE Units (CSU GE or IGETC)** 39 or 37

**Total Degree Units** 60

Special transfer pathway to University of Hawaii at Manoa, see page 8. For crosswalk of new subject codes, see page 61

**Recommended Course Sequence:**

**Fall, Year 1 (8 Units):**

- ECON 001B, ECON 002B, MATH 010

**Spring, Year 1 (8-9 Units):**

- ECON 001A, ECON 002A, MATH 003A or MATH 012

**Fall, Year 2 (3-5 Units):**

- List A Course

**Spring, Year 2 (4-5 Units):**

- MATH 004C or MATH 004A

**ECONOMICS A.A. Degree**

The Associate in Arts in Economics is designed to provide foundational knowledge of economic principles, models and concepts to analyze social issues and challenges, and to prepare students to transfer for a baccalaureate degree in Economics. After completing an A.A. degree in Economics, a student should be able to:

- Explain how individuals and firms may choices under scarcity;
- Describe the major players and institutions that facilitate the market economy;
- Analyze economic models as they apply to market economies and specific product and factor markets.
After completing an A.A. degree in Economics, a student will be able to:

- Explain how individuals and firms make choices under scarcity;
- Describe the major players and institutions that facilitate the market economy;
- Analyze economic models as they apply to market economies.

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 001A</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 002A</td>
<td>Principles of Macroeconomics Lab</td>
<td>1</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 001AH</td>
<td>Honors Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 002AH</td>
<td>Honors Principles of Macroeconomics Lab</td>
<td>1</td>
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<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 001BH</td>
<td>Honors Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 002BH</td>
<td>Honors Principles of Microeconomics Lab</td>
<td>1</td>
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Elective Courses: Select 12-13 units from at least 4 of the following:

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ANTH 001</td>
<td>Introduction to Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 002</td>
<td>Introduction to Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 003</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 001</td>
<td>Intro Physical Geography</td>
<td>3</td>
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<tr>
<td>GEOG 002</td>
<td>Intro Cultural Geography</td>
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<tr>
<td>HIST 003</td>
<td>Asian American History</td>
<td>3</td>
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<tr>
<td>HIST 004A</td>
<td>Western Civilization I: Prehistory to 1500 CE</td>
<td>3</td>
</tr>
<tr>
<td>HIST 004B</td>
<td>Western Civilization II: 1500 CE to present</td>
<td>3</td>
</tr>
<tr>
<td>HIST 005A</td>
<td>World History: Prehistory to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 005B</td>
<td>World History From 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 012</td>
<td>African American History</td>
<td>3</td>
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<tr>
<td>HIST 014</td>
<td>History of the Native North Americans</td>
<td>3</td>
</tr>
<tr>
<td>HIST 016</td>
<td>Mexican-American History</td>
<td>3</td>
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<tr>
<td>HIST 017A</td>
<td>United States History</td>
<td>3</td>
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<tr>
<td>HIST 017B</td>
<td>United States History</td>
<td>3</td>
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<td>HIST 017BH</td>
<td>Honors United States History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 020</td>
<td>History and Geography of California</td>
<td>3</td>
</tr>
<tr>
<td>POLI 001</td>
<td>American Government</td>
<td>3</td>
</tr>
<tr>
<td>POLI 002</td>
<td>Comparative Governments</td>
<td>3</td>
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<tr>
<td>POLI 003</td>
<td>Introduction to Political Science</td>
<td>3</td>
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<tr>
<td>POLI 004</td>
<td>International Relations</td>
<td>3</td>
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<tr>
<td>PSYC 001</td>
<td>General Psychology</td>
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<tr>
<td>PSYC 002</td>
<td>Experimental Psychophysiology</td>
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<tr>
<td>PSYC 007</td>
<td>Physiological Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 009</td>
<td>Psychology of Women: a Multicultural</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Major Units: 20-21

To be awarded an A.A. Degree, a student must complete:
1. Achieve a grade of “C” or better in the major requirements.
2. Additional units to meet the college graduation requirements.

For crosswalk of new subject codes, see page 61

Recommended Course Sequence:

Fall, Year 1 (7 Units):
ECON 001B, ECON 002B, Elective Course

Spring, Year 1 (7 Units):
ECON 001A, ECON 002A, Elective Course

Fall, Year 2 (3-4 Units):
ECON 001A, ECON 002A, Elective Course

Spring, Year 2 (3 Units):
Elective Course

ECON 001A PRINCIPLES OF MACROECONOMICS
3 units
Lecture 3 units; lab 0 units
Prerequisite: MATH 903 or MATH 903R or LRSV 945
Corequisite: ECON 002A
Acceptable for credit: University of California, California State University
C-ID ECON 202

This course provides an introduction to aggregate economic analysis including analysis of: market systems; aggregate measures of the economy; macroeconomic equilibrium; money, the banking system and the role of central banks; monetary and fiscal policy; international trade and exchange rates; and macroeconomic growth. Pass/No Pass Option

ECON 001AH HONORS PRINCIPLES OF MACROECONOMICS
3 units
Lecture 3 units; lab 0 units
Prerequisite: ECON 002AH
Corequisite: MATH 903 or MATH 903R or LRSV 945
Acceptable for credit: University of California, California State University
C-ID ECON 202

Honors Principles of Macroeconomics uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. The course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course is an introduction to aggregate economic analysis of market systems; aggregate measures of the economy; macroeconomic equilibrium; money, the banking system and role of central banks; monetary and fiscal policy; international trade and exchange rates; and macroeconomic growth. This class must be taken concurrently with online laboratory Econ 2AH.
ECON 001B PRINCIPLES OF MICROECONOMICS
3 units
Lecture 3 units; lab 0 units
Corequisite: ECON 002B
Prerequisite: MATH 903 or MATH 903R or LRSV 945.
Acceptable for credit: University of California, California State University
C-ID ECON 201
This course provides an introduction to microeconomic analysis which focuses on individual economic decision-makers and markets. Topics include scarcity and allocation of resources, distribution of income and wealth, market equilibrium, price ceilings/floors, elasticity, consumer theory, cost/prodution analysis, market structures, factor markets, market failure, international trade and finance, and the role of public policy in the economy. Pass/No Pass Option

ECON 001BH HONORS PRINCIPLES OF MICROECONOMICS
3 units
Lecture 3 units; lab 0 units
Prerequisite: MATH 903 or MATH 903R or LRSV 945
Corequisite: ECON 002BH
Acceptable for credit: University of California, California State University
C-ID ECON 201
Honors Principles of Microeconomics uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified trans-disciplinary unit. This course provides an introduction to microeconomic analysis which focuses on individual economic decision-makers and markets. Topics include scarcity and allocation of resources, distribution of income and wealth, market equilibrium, price ceilings/floors, elasticity, consumer theory, cost/prodution analysis, market structures, factor markets, market failure, international trade and finance, and the role of public policy in the economy.

ECON 002A PRINCIPLES OF MACROECONOMICS LAB
1 unit
Lecture 0 units; lab 1 unit
Corequisite: ECON 001A
Acceptable for credit: University of California, California State University
C-ID ECON 202
This online laboratory introduces macroeconomic analysis and principle including analysis of: market systems; aggregate measures of the economy; macroeconomic equilibrium; money, the banking system and role of central banks; monetary and fiscal policy; international trade and exchange rates; and macroeconomic growth. Pass/No Pass Option

ECON 002AH HONORS PRINCIPLES OF MACROECONOMICS LAB
1 unit
Lecture 0 units; lab 1 unit
Corequisite: ECON 001AH
Acceptable for credit: University of California, California State University
C-ID ECON 202
Honors Principles of Macroeconomics Lab uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified trans-disciplinary unit. This laboratory introduces macroeconomic analysis and principle including analysis of: market systems; aggregate measures of the economy; macroeconomic equilibrium; money, the banking system and role of central banks; monetary and fiscal policy; international trade and exchange rates; and macroeconomic growth. This lab must be taken concurrently with Econ 001AH.

ECON 002B PRINCIPLES OF MICROECONOMICS LAB
1 unit
Lecture 0 units; lab 1 unit
Corequisite: ECON 001B
Acceptable for credit: University of California, California State University
C-ID ECON 201
This online laboratory introduces microeconomic analysis which focuses on individual economic decision-makers and markets. Topics include scarcity and allocation of resources, distribution of income and wealth, market equilibrium, price ceilings/floors, elasticity, consumer theory, cost/prodution analysis, market structures, factor markets, market failure, international trade and finance, and the role of public policy in the economy. Pass/No Pass Option

ECON 002BH HONORS PRINCIPLES OF MICROECONOMICS LAB
1 unit
Lecture 0 units; lab 1 unit
Corequisite: ECON 001BH
Acceptable for credit: University of California, California State University
C-ID ECON 201
Honors Principles of Microeconomics Lab uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified trans-disciplinary unit. This laboratory introduces microeconomic analysis which focuses on individual economic decision-makers and markets. Topics include scarcity and allocation of resources, distribution of income and wealth, market equilibrium, price ceilings/floors, elasticity, consumer theory, cost/prodution analysis, market structures, factor markets, market failure, international trade and finance, and the role of public policy in the economy. This lab must be taken concurrently with Econ 001BH.

Electronic Imaging
(See Photography)
Elementary Education

THE FACULTY
Laurie Dotson
Leslie Hotta
Katherine Moore-Wines

DIVISION: The School of Professional Studies
DEAN: Renee Paquier
DEPARTMENT CHAIR: Leslie Hotta
PHONE: 408-741-4603
EMAIL: leslie.hotta@westvalley.edu
COUNSELING: 408-741-4068

Degree:
A.A.-T, Elementary Teacher Education

ASSOCIATE IN ARTS IN ELEMENTARY TEACHER EDUCATION FOR TRANSFER DEGREE (AA-T in Elementary Teacher Education)
The Associate in Arts in Elementary Teacher Education for Transfer degree (AA-T in Elementary Teacher Education) is a 60 unit program which provides students the lower division coursework required for transfer to a CSU institution for the major in Elementary Teacher Education for the goal of becoming an elementary school teacher.

Students who complete the Associate in Arts in Elementary Teacher Education for Transfer degree (AA-T in Elementary Teacher Education) will be able to:
- Demonstrate professional skills with children, families, and colleagues in the elementary school setting;
- Utilize child development theories to design developmentally appropriate curriculum for school-age children.

Students must complete the following requirements:
- 60 semester or 90 quarter CSU-transferable units;
- the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern;
- a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district;
- a minimum of 18 semester or 27 quarter units in the major or area of emphasis.
- acceptance of a minimum grade point average (GPA) of 2.0;
- earn a grade of C or better in all courses required for the major or area of emphasis.

Course ID | Title                                      | Units
----------|--------------------------------------------|------
ENGL 001B | Critical Thinking Through Literature        | 3    
GEOG 006  | World Regional Geography                    | 3    
HIST 005A | World History: Prehistory to 1500           | 3    
HIST 017A | United States History                       | 3    
POLI 001  | American Government                         | 3    
OR
POLI 001H | Honors American Government                  | 3    
List A: Select one course (3 units)
ENGL 001C | Critical Thinking and Writing               | 3    
OR
ENGL 001CH| Honors Critical Thinking and Writing        | 3    
List B: Select one course (3 units)
ARTS 004  | Art Appreciation                            | 3    
MUSC 010  | Music Appreciation                          | 3    
THEA 010  | Introduction to Theater                     | 3    
ARTS 001A | Survey of Western Art I                     | 3    

Total Degree Units: 60

For crosswalk of new subject codes, see page 61

Recommended Sequence:
Fall, Year 1:
Biol 010 AND 010L, Chst 002, Eled 020 AND 020A

Spring, Year 1:
Chem 002, Geol 012, Math 014, Phys 010

Fall, Year 2:
Comm 001, Engl 001A, Geog 006, Any Course from List B

Spring, Year 2:
Engr 001B, Hist 005A, Hist 017A, Poli 001, Any Course from List A

ELED 020 INTRODUCTION TO ELEMENTARY TEACHING
2 units
Lecture 2 units; lab 0 units
Corequisite: ELED 020A
Acceptable for credit: University of California, California State University
C-ID EDUC 200

This course introduces students to the concepts and issues related to teaching diverse learners in today’s contemporary schools, Kindergarten through grade 12 (K-12). Topics include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary educational issues, California’s content standards and frameworks, and teacher performance standards. In addition to class time, the Corequisite course, ELED 20A, requires a minimum of 45 hours of structured fieldwork in public school elementary classrooms and includes cooperation with at least one carefully selected and campus-approved certificated classroom teacher. Pass/No Pass Option

• ADVISORY is a recommended preparation, NOT a REQUIREMENT.
• This catalog is subject to change and may be incomplete. Please consult the addenda at westvalley.edu/catalog/
ELED 020A FIELD EXPERIENCE IN ELEMENTARY TEACHING
1 unit
Work Experience 1 unit
Corequisite: ELED 020
Acceptable for credit: University of California, California State University C-ID EDUC 200
This course provides students with the opportunity to apply knowledge of school-age children and appropriate curriculum by working under the supervision of a certified teacher in a public school setting (a minimum of 45 hours is required). Pass/No Pass Option

Engineering

THE FACULTY
Takyiu Liu
Thomas Sanford

DIVISION Science and Math
DEAN Laura Hyatt
DEPARTMENT CHAIR Takyiu Liu
PHONE 408-741-2675
EMAIL takyiu.liu@westvalley.edu
COUNSELING 408-741-4068

Degree:
A.S., Engineering
Engineers are problem solvers. Engineers apply the principles and theories of math and science to technical problems. Engineers design, discover, and invent new products and processes.

Career Options
• Aerospace Engineering
• Biological Engineering
• Chemical Engineering
• Civil Engineering
• Electrical Engineering
• Materials Engineering
• Mechanical Engineering
• Nanotech Engineering
• Nuclear Engineering
• Software Engineering

ENGINEERING: For transfer information see assist.org and/or consult with a counselor.

▲ ENGINEERING
A.S. Degree

The Associate in Science in Engineering is designed to provide lower division education to students planning to major in engineering and who may pursue a baccalaureate degree. Students who complete the Associate in Science should be able to demonstrate aptitude for analysis and problem-solving using scientific principles.

After completing an A.S. degree in Engineering, a student should be able to:
• Identify and to solve environmental problems;
• Apply fundamental science and engineering in an integrative fashion, to effectively work and
• solve problems at the interface of mathematics, science, engineering and technology;
• Demonstrate effective oral and written communication skills;
• Apply diverse techniques, methods, and tools towards the solution of engineering problems;
• Apply the engineering process and design-driven research;
• Conduct independent work as well as teamwork;
• Identify and apply ethical principles and standards.

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CHEM 001A</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>ENGR 010</td>
<td>Introduction to Engineering</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 020</td>
<td>Engineering Graphics</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 025</td>
<td>Introduction to Materials</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 004A</td>
<td>Engineering Physics-Mechanics</td>
<td>5</td>
</tr>
</tbody>
</table>

Electives: Choose two courses

• PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
### Course ID and Title

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ENGR 021</td>
<td>Intro Computing for Scientists and Engineers</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 060</td>
<td>Programming and Problem-Solving in MATLAB</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 098</td>
<td>Introduction to Circuit Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 099</td>
<td>Statics/Vector Mechanics</td>
<td>3</td>
</tr>
</tbody>
</table>

### Total Major Units

To be awarded an A.S. degree, a student must complete:

1. Achieve a grade of “C” or better in the major requirements.
2. Additional units to meet the college graduation requirements.

For crosswalk of new subject codes, see page 61

NOTE: Only CHEM 001A is required for the A.S. degree. Transfer students may need to take additional chemistry courses to complete the requirements for a B.S. degree. Please consult with a counselor to determine campus-specific requirements.

Additional math may be required.

Recommended Electives: Choose those general education requirements outside the major which may apply toward the bachelor's degree requirements at the four-year institution where you transfer.

For crosswalk of new subject codes, see page 61

### Recommended Course Sequence

#### Fall, Year 1 (14 Units):

- CHEM 001A, ENGR 020, PHYS 004A

#### Spring, Year 1 (7 Units):

- ENGR 010, Elective Course

#### Fall, Year 2 (3 Units):

- ENGR 025

#### Spring, Year 2 (3 Units):

- Elective Course

**ENGINEERING TECHNOLOGY: Transfer:**

See assist.org for info or the Counseling Center

### ENGR 003A BASIC TECHNICAL DRAFTING

3 units
Lecture 2 units; lab 1 unit

**Acceptable for credit: California State University**

This course is a study of basic technical drafting methods. This course covers the principles of engineering drawings in visually communicating engineering designs and begins the use of computer-aided design (CAD). Topics include the basic development of visualization skills, blueprint reading, orthographic projections; architectural and mechanical dimensioning, design and tolerancing. Pass/No Pass Option

### ENGR 003B INTERMEDIATE TECHNICAL DRAFTING

3 units
Lecture 2 units; lab 1 unit

**Advisory: ENGR 003A and MATH 903 or MATH 103R**”

**Acceptable for credit: California State University**

This course provides students with the opportunity to continue developing basic skills and involves intermediate technical drafting methods as well as promoting the study of drafting and blueprint reading. This course covers theory and practical applications related to mechanical and civil design and is useful preparation in furthering computer-aided design (CAD and 3D printing). This course also provides students the opportunity to understand three-dimensional design, advanced tolerancing and dimensioning techniques. Pass/No Pass Option

### ENGR 003C ADVANCED TECHNICAL DRAFTING

3 units
Lecture 2 units; lab 1 unit

**Advisory: ENGR 003B and MATH 106 or MATH 106R**

**Acceptable for credit: California State University**

This course is a study of advanced technical drafting methods. This course covers the principles of engineering drawings in visually communicating engineering designs with 3D modeling and advances the use of computer-aided design (CAD), solid modeling and 3D printing. Topics include the advanced development of visualization skills; orthographic projections; architectural and mechanical dimensioning, design and tolerancing. Students in the advanced class expand drawing types from mechanical to civil construction, or electrical drawings. Pass/No Pass Option

### ENGR 004 INTRODUCTION TO COMPUTER-AIDED DESIGN

3 units
Lecture 2 units; lab 1 unit

**Acceptable for credit: University of California, California State University**

This course is an introduction to computer-aided drafting using AutoCAD on the PC. Mechanical, civil and architectural drawings are used and emphasized with students having the opportunity to develop the skills necessary and capacity to pass an employer entrance exam. Pass/No Pass Option

### ENGR 005 ADVANCED COMPUTER-AIDED DESIGN

3 units
Lecture 2 units; lab 1 unit

**Prerequisite: ENGR 004**

**Advisory: MATH 902P**

**Acceptable for credit: University of California, California State University**

This course provides an opportunity for students to use concepts acquired in ENGR 004 in a more complex way. This course reviews 2D and addresses advanced topics in the construction of two and three dimensional drafting and solid modeling. Pass/No Pass Option

### ENGR 010 INTRODUCTION TO ENGINEERING

4 units
Lecture 3 units; lab 1 unit

**Acceptable for credit: University of California, California State University**

C-ID ENGR 110

This introductory course explores the different engineering disciplines to assist students in a choice of a major in engineering. Prospective engineering students have the opportunity to learn about experimentation, data analysis, problem-solving, engineering software, basic computer programming, and the engineering design process. Pass/No Pass Option

### ENGR 020 ENGINEERING GRAPHICS

4 units
Lecture 3 units; lab 1 unit

**Acceptable for credit: University of California, California State University**

This course is a study of basic technical drafting methods. This course covers the principles of engineering drawings in visually communicating engineering designs and advances the use of computer-aided design (CAD). Topics include the intermediate development of visualization skills; orthographic projections; architectural and mechanical dimensioning, design and tolerancing. Pass/No Pass Option

### ENGR 021 INTRO COMPUTING FOR SCIENTISTS AND ENGINEERS

3 units
Lecture 2 units; lab 1 unit

**Acceptable for credit: University of California, California State University**

This course emphasizes the use of the computer as a tool using the C++ programming language to solve scientific and engineering problems. Topics include program design, algorithms, development, documentation, and elementary data structures.
ENGR 025 INTRODUCTION TO MATERIALS
3 units
Lecture 2 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course is an introduction to engineering materials, including pure metals, binary alloys, steels, semiconductors, plastics and polymers, with an introduction into the mechanics of materials including basic material failure mechanisms.

ENGR 060 PROGRAMMING AND PROBLEM-SOLVING IN MATLAB
3 units
Lecture 2 units; lab 1 unit
Acceptable for credit: California State University
This course utilizes the MATLAB environment to provide students with a working knowledge of computer-based problem-solving methods relevant to science and engineering. It introduces the fundamentals of procedural and object-oriented programming, numerical analysis, and data structures. Examples and assignments in the course are drawn from practical applications in engineering, physics, and mathematics. Pass/No Pass Option

ENGR 098 INTRODUCTION TO CIRCUIT ANALYSIS
3 units
Lecture 3 units; lab 0 units
Advisory: MATH 003B, PHYS 004B
Acceptable for credit: University of California, California State University
This is an introductory course in the analysis of DC and AC electric circuits using Kirchhoff's laws, Ohm's law, and Thevenin's theorem. Pass/No Pass Option

ENGR 099 STATIC/VECTOR MECHANICS
3 units
Lecture 3 units; lab 0 units
Advisory: PHYS 004A, MATH 003A
Acceptable for credit: University of California, California State University
This course covers the application of static principles for solution of problems with particles, trusses, frames, cables, and other structural components under concentrated distributed force systems.

ENGR 166 WATER DISTRIBUTION II
3 units
Lecture 3 units; lab 0 units
Advisory: ENGR 010 and PHYS 001 and CHEM 002
Acceptable for credit: California State University
This is a course in practical water supply hydraulics with an emphasis on the basic principles of hydraulics. The purpose of the course is to clarify pressure, head, buoyancy, friction loss, forces, velocity of flow, and size capacity relationship of distribution systems. The course includes the study of pump characteristics, sizing of pumps, arithmetic, and efficiency test procedures. Typical calculations include line loss in series and parallel pipe systems, residual pressure, forces on thrust blocks, and horsepower requirements for pumps. This course is designed to prepare the student for the D2 Water Distribution Operator's examinations.

English

THE FACULTY
Paulette Boudreaux
Leigh Burrill
Bill Davis
Rebecca Cisneros-Diaz
Nicole Cutler
Janine Gerzanics
Clementina Golaw
Dulce Gray
Lenore Harris
Cathy Jones
Vicky Kalivitis
Jess Lerma
Nils Michals
Eric Pape
Jeanette Richey
Leslie Salto-Liu
Danielle Shaw
Christina Stevenson
Jennifer Wagner

DIVISION Language Arts
DEAN Jennifer Johnson
DEPARTMENT CHAIR Jeanette Richey
PHONE 408-741-2481
EMAIL jeannette.richey@westvalley.edu
COUNSELING 408-741-2009

Degrees:
A.A.-T, English
A.A., English

The English Department teaches skills that are universal to every other discipline. Taking courses in English increases a student's chances of success in every other area. The ability to read effectively and to write expressively will prove invaluable for any student.

Highlights
- Composition courses designed for all levels of ability
- Transfer level literature and creative writing courses that meet CSU & UC requirements
- Online courses in composition, literature, and creative writing
- Links with industry and regional Learning Communities
- Experienced, innovative faculty dedicated to student success

The West Valley College English Department offers composition and literature courses designed to provide students with the skills needed to be successful in both their academic and work lives. Through these courses, students develop reading, writing, and critical thinking skills needed to attain an AA/AS degree, transfer to a four-year college or university, or move directly into the workforce.

Career Options
- Advertising
- Business
- Civil Service
- Editing
- Information Systems
- Insurance
- Journalism
- Law
- Library Science
- Management
- Marketing Communications
- Politics
- Public Relations
- Publishing
- Research

• PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
### ASSOCIATE IN ARTS IN ENGLISH FOR TRANSFER DEGREE (AA-T in English)

The Associate in Arts in English for Transfer degree (AA-T) is a 60 unit program which provides students the lower division coursework required for transfer to a CSU institution for the major in English, Literature, or Creative Writing.

Students completing the Associate in Arts in English for Transfer degree (AA-T) will be able to:

- write focused, organized, well-developed essays that support clear thesis statements and demonstrate competence in standard English grammar and usage;
- analyze and evaluate academic essays and literature;
- formulate and communicate in writing positions on diverse issues; and write research papers that demonstrate the effective evaluation, integration, and MLA documentation of sources.

Students must complete the following requirements:

- 60 semester or 90 quarter CSU-transferable units
- the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district.
- obtainment of a minimum grade point average (GPA) of 2.0.
- earn a grade of C or better in all courses required for the major or area of emphasis.

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 043</td>
<td>Classical Mythology</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
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</tr>
<tr>
<td>ENGL 043H</td>
<td>Honors Classical Mythology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 044</td>
<td>The Bible As Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 046</td>
<td>Contemporary American Multi-Cultural Literature</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 046H</td>
<td>Honors Contemporary American Multi-Cultural Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 047</td>
<td>Introduction to Poetry</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 048</td>
<td>Introduction to Shakespeare</td>
<td>3</td>
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<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 048H</td>
<td>Honors Introduction to Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 049</td>
<td>Modern Fiction</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 049H</td>
<td>Honors Modern Fiction</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 070</td>
<td>Creative Writing</td>
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<tr>
<td>ENGL 071</td>
<td>Writing Fiction</td>
<td>3</td>
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<tr>
<td>ENGL 072</td>
<td>Writing Poetry</td>
<td>3</td>
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#### List C: Select one from below or any List A or B course not already used.

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ENGL 013</td>
<td>U.S. Latino Literature</td>
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<tr>
<td>FRNC 001A</td>
<td>Beginning French</td>
<td>5</td>
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<tr>
<td>FRNC 001B</td>
<td>Beginning French</td>
<td>5</td>
</tr>
<tr>
<td>FRNC 002A</td>
<td>Intermediate French</td>
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<tr>
<td>FRNC 002B</td>
<td>Intermediate French</td>
<td>5</td>
</tr>
<tr>
<td>FRNC 003A</td>
<td>Advanced French Oral and Written Composition</td>
<td>5</td>
</tr>
<tr>
<td>FRNC 003B</td>
<td>Advanced French Oral and Written Composition</td>
<td>5</td>
</tr>
<tr>
<td>GER 001A</td>
<td>Beginning German</td>
<td>5</td>
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<tr>
<td>GER 001B</td>
<td>Beginning German</td>
<td>5</td>
</tr>
<tr>
<td>ITAL 001A</td>
<td>Beginning Italian</td>
<td>5</td>
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<tr>
<td>ITAL 001B</td>
<td>Beginning Italian</td>
<td>5</td>
</tr>
<tr>
<td>ITAL 002A</td>
<td>Intermediate Italian</td>
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<tr>
<td>ITAL 002B</td>
<td>Intermediate Italian</td>
<td>5</td>
</tr>
<tr>
<td>JPNS 001A</td>
<td>Beginning Japanese</td>
<td>5</td>
</tr>
<tr>
<td>JPNS 001B</td>
<td>Beginning Japanese</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 001A</td>
<td>Beginning Spanish</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 001B</td>
<td>Beginning Spanish</td>
<td>5</td>
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<tr>
<td>SPAN 002A</td>
<td>Intermediate Spanish</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 002B</td>
<td>Intermediate Spanish</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 003A</td>
<td>Advanced Spanish Oral and Written Composition</td>
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<tr>
<td>SPAN 003B</td>
<td>Advanced Spanish Oral and Written Composition</td>
<td>5</td>
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<tr>
<td>HUMN 001A</td>
<td>Human Values in and from the Arts - the Ancient World to the Early Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>HUMN 001B</td>
<td>Human Values in and from the Arts - the Renaissance to the Modern Age</td>
<td>3</td>
</tr>
</tbody>
</table>

- ADVISORY is a recommended preparation, NOT a REQUIREMENT.
- This catalog is subject to change and may be incomplete. Please consult the addenda at westvalley.edu/catalog/
Course ID | Title | Units
---------|-------|------
BUSN 078  | Business Communication | 3
THEA 010  | Introduction to Theater | 3
ANTH 004  | Intro to Linguistic Anthropology | 3

Total Major Units | 18-20
GE Units (CSU GE or IGETC) | 39 or 37
Total Degree Units | 60

CSU transferable elective courses are required when the major units plus transfer GE units total is less than 60.
For crosswalk of new subject codes, see page 61

Recommended Course Sequence:

Fall, Year 1 - example courses listed (6 Units):
ENGL 001A AND ENGL 005A or ENGL 006A or 006AH or ENGL 007A

Spring, Year 1 - example courses listed (6 Units):
Required Core Course AND ENGL 005B or ENGL 006B or 006BH or ENGL 007B

Fall, Year 2 (3-5 Units):
Required Core Course AND ENGL 005B or ENGL 006B or 006BH or ENGL 007B

Spring, Year 2 (3-5 Units):
Any Course from List C or Any Course from List B

ENGL A.A. Degree

The Associate in Arts in English is a program that provides students with the necessary coursework required for an associate’s major in English and to transfer to a four-year university where students have the opportunity to complete a Bachelor’s or graduate degree in English. Students completing this degree will have a breadth of knowledge in composition and the study and analysis of literature. Students completing this degree will be able to write focused, organized, well-developed essays that support clear thesis statements and demonstrate competence in standard English grammar and usage; analyze and evaluate academic essays and literature; formulate and communicate in writing positions on diverse issues; and write research papers that demonstrate the effective evaluation, integration, and MLA documentation of sources.

To obtain this degree, students must complete the 21 units in the major area and the additional units to meet the college graduation requirements. Students must obtain a minimum grade point average (GPA) of 2.0 and earn a grade of C or better in all courses required for the major. Literature courses used to meet general education requirements cannot be used to satisfy major requirements. Students planning to transfer to a B.A. program in English should select courses that apply toward both the college graduation requirements and the bachelor’s degree requirements of the four-year institution to which they intend to transfer.

Students planning to undertake graduate study in English are advised to complete Intermediate Foreign Language 002A and 002B before transferring.

Career Options:
- Advertising
- Business
- Civil Service
- Editing
- Information Systems
- Insurance
- Journalism
- Law
- Library Science
- Management
- Marketing Communications
- Politics
- Public Relations
- Publishing
- Research

- Teaching
- Technical Communications
- Writing

After completing an A.A. in English, a student will be able to:
- Analyze and evaluate academic essays and literature;
- Write research papers that demonstrate the effective evaluation, integration, and MLA documentation of sources;
- Write focused, organized, well-developed essays that support clear thesis statements and demonstrate competence in standard English grammar and usage;
- Formulate and communicate in writing positions on diverse issues.

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 001A</td>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 001B OR ENGL 001C</td>
<td>Critical Thinking Through Literature Critical Thinking and Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 005A AND ENGL 005B</td>
<td>Survey of English Literature Survey of English Literature 2</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 007A AND ENGL 007B</td>
<td>American Literature American Literature 2</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 006A</td>
<td>World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 006AH</td>
<td>Honors World Literature</td>
<td>3</td>
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<tr>
<td>ENGL 006B</td>
<td>World Literature 2</td>
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<tr>
<td>ENGL 006BH</td>
<td>Honors World Literature</td>
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<tr>
<td>ENGL 010</td>
<td>Children’s Literature</td>
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</tr>
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<td>ENGL 012</td>
<td>African American Literature</td>
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<tr>
<td>ENGL 013</td>
<td>Latino/Chicano Literature</td>
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<tr>
<td>ENGL 018</td>
<td>Asian American Literature</td>
<td>3</td>
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<tr>
<td>ENGL 041</td>
<td>Literature and Film</td>
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<tr>
<td>ENGL 043</td>
<td>Classical Mythology</td>
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<td>ENGL 043H</td>
<td>Honors Classical Mythology</td>
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<tr>
<td>ENGL 044</td>
<td>The Bible as Literature</td>
<td>3</td>
</tr>
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<td>Contemporary American Multi-Cultural Literature</td>
<td>3</td>
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</tr>
<tr>
<td>ENGL 047</td>
<td>Introduction to Poetry</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 048</td>
<td>Introduction to Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 049</td>
<td>Modern Fiction</td>
<td>3</td>
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<tr>
<td>ENGL 049H</td>
<td>Honors Modern Fiction</td>
<td>3</td>
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<tr>
<td>ENGL 070</td>
<td>Creative Writing</td>
<td>3</td>
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<tr>
<td>ENGL 071</td>
<td>Writing Fiction</td>
<td>3</td>
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<tr>
<td>ENGL 072</td>
<td>Writing Poetry</td>
<td>3</td>
</tr>
</tbody>
</table>
Course ID | Title | Units
--- | --- | ---
ENGL 080 | Voices: The Literary Arts Magazine | 2
ENGL 081 | Voices: Intermediate Literary Arts Magazine | 2

Total Major Units | 21

Literature courses used to meet general education requirements cannot be used to satisfy major requirements.

To be awarded an A.A. Degree, a student must complete:
1. All the major requirements.
2. Additional units to meet the college graduation requirements.

A student planning to transfer to a B.A. program in English should select courses that apply toward both the college graduation requirements and the bachelor's degree requirements of the four-year institution to which he/she intends to transfer.

Students planning to undertake graduate study in English are advised to complete Intermediate Foreign Language 002A and 002B before transferring.

For crosswalk of new subject codes, see page 61

Recommended Course Sequence:

Fall, Year 1 (3 Units):
ENGL 001A

Spring, Year 1 (6 Units):
ENGL 001B and 1 course from List A

Fall or Spring, Year 2 (6 Units):
ENGL 001C or ENGL 001CH and 1 course from List B

Fall or Spring, Year 2 (6 Units):
2 courses from List B

ENGL 001A ENGLISH COMPOSITION
3 units
Lecture 3 units; lab 0 units
Prerequisite: ENGL 905; or LRSV 941C; or ENGL 905X; LRSV 942; or READ 961
Acceptable for credit: University of California, California State University
C-ID ENGL 100

This course introduces the techniques of collegiate English composition with emphasis on clear and effective writing and analytical reading. In English 1A, students write a series of essays including a documented research paper. Because this is a collegiate-level writing course, students must enroll with strong grammatical competence. English 1A fulfills the written communication requirement for Associate and Bachelor degrees. This course is also offered in an online format.

ENGL 001B CRITICAL THINKING THROUGH LITERATURE
3 units
Lecture 3 units; lab 0 units
Prerequisite: ENGL 001A
Acceptable for credit: University of California, California State University
C-ID ENGL 120

English 001B introduces students to literary analysis with an emphasis on critical thinking, close reading, and analytical writing skills. Introduces representative works from major genres. Promotes appreciation and critical understanding of the cultural, historical, and aesthetic qualities of literature. Students read, discuss, and compose analytic essays about literary texts (such as short fiction, poetry, drama, and novels) from diverse cultures. This course covers formal and informal fallacies of language and thought, and the principles of inductive and deductive reasoning. Students conduct research, study literary criticism, and write research essays that synthesize multiple sources. This course fulfills the critical thinking requirement for CSU transfer and is also offered in an online format.

ENGL 001C CRITICAL THINKING AND WRITING
3 units
Lecture 3 units; lab 0 units
Prerequisite: ENGL 001A
Acceptable for credit: University of California, California State University
C-ID ENGL 105

This course offers instruction and practice in methods of critical thinking and formal argument writing, emphasizing the following: the principles of classical argument structure and methods of reasoning; analysis and evaluation of rhetorical argument; identification of the assumptions underlying a given argument; identification and critique of fallacies in arguments; and analysis of language use and its implications in argument writing. Students in this course have the opportunity to practice critical thinking by writing substantive arguments, essays, and a documented research paper.
ENGL 001CH HONORS CRITICAL THINKING AND WRITING
3 units
Lecture 3 units; lab 0 units
Prerequisite: ENGL 001A
Acceptable for credit: University of California, California State University
C-ID ENGL 105
Honors Critical Thinking and Writing uses the pedagogical methods common to all Honors courses: writing-intensive, collaborative, and experiential instruction. As an honors course, there is a focus on analytical writing and an emphasis on a higher degree of student participation and leadership in class discussions and other interactive teaching/learning techniques that are generally unsuitable for larger undergraduate classes. This course offers instruction and practice in methods of critical thinking and formal argument writing, emphasizing the following: the principles of classical argument structure and methods of reasoning; analysis and evaluation of rhetorical argument; identification of the assumptions underlying a given argument; identification and critique of fallacies in arguments; and analysis of language use and its implications in argument writing. Students in this course have the opportunity to practice critical thinking by writing substantive arguments, essays, and a documented research paper.

ENGL 005A SURVEY OF ENGLISH LITERATURE
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Prerequisite: Eligibility for ENGL 001A
Acceptable for credit: University of California, California State University
C-ID ENGL 160
This course surveys British literature from the Old English/Anglo-Saxon period through the 18th century. Pass/No Pass Option

ENGL 005B SURVEY OF ENGLISH LITERATURE 2
3 units
Lecture 3 units; lab 0 units
Prerequisite: Eligibility for ENGL 001A
Advisory: ENGL 001A or equivalent
Acceptable for credit: University of California, California State University
C-ID ENGL 165
This course surveys English literature from the Romantic period to the present. Pass/No Pass Option

ENGL 006A WORLD LITERATURE
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
C-ID ENGL 140
This course surveys literature from around the world produced from the beginnings of oral history up to the year 1650. This course emphasizes literature outside the Anglo-American tradition. Students have the opportunity to analyze and compare texts representing various genres from different cultural regions, including Africa, Asia, Europe, the Middle East, Latin America, and the Pacific Islands. Through this cross-cultural study of literature, students have the opportunity to engage in thinking critically about cultural diversity and related issues, such as global migrations, international power dynamics, and transnational patterns of inequality in a world context. Pass/No Pass Option

• PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
ENGL 006AH HONORS WORLD LITERATURE
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
C-ID ENGL 140
Honors World Literature uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course surveys literature from around the world produced from the beginnings of oral history up to the year 1650. This course emphasizes literature outside the Anglo-American tradition. Students analyze and compare texts representing various genres from different cultural regions, including Africa, Asia, Europe, the Middle East, Latin America, and the Pacific Islands. Through this cross-cultural study of literature, students engage in thinking critically about cultural diversity and related issues such as global migrations, international power dynamics, and transnational patterns of inequality in a world context. Pass/No Pass Option

ENGL 006B WORLD LITERATURE 2
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
C-ID ENGL 145
This course surveys and compares literature from around the world produced between 1650 and the present. This course emphasizes literature outside the Anglo-American tradition. Students have the opportunity to analyze and compare texts representing various genres from different cultural regions, including Africa, Asia, Europe, the Middle East, Latin America, Australia, and the Pacific Islands. Through this cross-cultural study of literature, students have the opportunity to engage in thinking critically about cultural diversity and related issues such as global migrations, international power dynamics, and transnational patterns of inequality in a world context. Pass/No Pass Option

ENGL 006BH HONORS WORLD LITERATURE 2
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
C-ID ENGL 145
Honors World Literature uses the pedagogical methods common to all Honors courses: writing-intensive, collaborative, and experiential instruction. As an honors course, there is a focus on analytical writing and an emphasis on a higher degree of student participation and leadership in class discussions and other interactive teaching/learning techniques that are generally unsuitable for larger undergraduate classes. This course emphasizes literature outside the Anglo-American tradition. Students have the opportunity to analyze and compare texts representing various genres from different cultural regions, including Africa, Asia, Europe, the Middle East, Latin America, Australia, and the Pacific Islands. Through this cross-cultural study of literature, students have the opportunity to engage in thinking critically about cultural diversity and related issues such as global migrations, international power dynamics, and transnational patterns of inequality in a world context. Pass/No Pass Option

ENGL 007A AMERICAN LITERATURE 1
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
C-ID ENGL 130
This course surveys major American literary traditions from the colonial period to the Civil War. Pass/No Pass Option

ENGL 007B AMERICAN LITERATURE 2
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
C-ID ENGL 135
This course surveys major American literary traditions from the Civil War to the present. Pass/No Pass Option

ENGL 010 CHILDREN’S LITERATURE
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
C-ID ENGL 180
This course provides a survey of representative samples of the world’s literature written for and about children. This course covers both the history of this literature and the trends in style, purpose, and subject matter. Representative works of children’s literature from around the world—including folk tales, mythology, fantasy, poetry, biography—and autobiography—form the basic categories of study. Students have the opportunity to develop close reading and analytical writing skills as well as an appreciation for the aesthetic qualities of literature written for children. Pass/No Pass Option

ENGL 012 AFRICAN AMERICAN LITERATURE
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: California State University
C-ID ENGL 170
This course examines African American Literature from the 1700s to the present. Emphasis is given to the development of a body of literature that attests to the mastery and enhancement by Black writers of the prevailing literary forms in each era in America’s cultural, social, and political history. Students in the course have the opportunity to examine how literature reflects the experiences of Africans adapting to life in new world America and carving out a new identity complete with the development of new literary styles and conventions. The literature is examined through lenses of conventional critical theory and elements of literature. Pass/No Pass Option

ENGL 012H HONORS AFRICAN AMERICAN LITERATURE
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
Honors African American Literature uses the pedagogical methods common to all Honors courses: writing-intensive, collaborative, and experiential instruction. As an honors course, there will be focus on analytical writing and an emphasis on a higher degree of student participation and leadership in class discussions and other interactive teaching/learning techniques that are generally unsuitable for larger undergraduate classes. This course examines African American Literature from the 1700s to the present. Emphasis is given to the development of a body of literature that attests to the mastery and enhancement by Black writers of the prevailing literary forms in each era in America’s cultural, social, and political history. Students in the course have the opportunity to examine how literature reflects the experiences of Africans adapting to life in new world America and carving out a new identity complete with the development of new literary styles and conventions. The literature is examined through lenses of conventional critical theory and elements of literature.

ENGL 013 U.S. LATINO LITERATURE
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
This course examines and contextualizes representative literary texts written in (or translated to) English by authors who (since the sixteenth century, through the emergence of the “Latino Literature” movement in the twentieth century, and up to now) have self-identified as American Latinos and have addressed the varied traditions, conflicts, and transformations experienced by American Latinos. Pass/No Pass Option

• ADVISORY is a recommended preparation, NOT a REQUIREMENT.
• This catalog is subject to change and may be incomplete. Please consult the addenda at westvalley.edu/catalog/
**ENGL 013H HONORS U.S. LATINO LITERATURE**

3 units
Lecture 3 units; lab 0 units

Acceptable for credit: California State University

Honors U.S. Latino Literature uses the pedagogical methods common to all honors courses: trans-disciplinary, writing-intensive, collaborative, and experiential instruction. As an honors course, there is a focus on analytical writing and an emphasis on a higher degree of student participation and leadership in class discussions and other interactive teaching/learning techniques that are generally unsuitable for larger undergraduate classes. This course examines and contextualizes representative literary texts written in (or translated to) English by authors who (since the sixteenth century, through the emergence of the “Latino Literature” movement in the twentieth century, and up to now) have self-identified as American Latinos and have addressed the varied traditions, conflicts, and transformations experienced by American Latinos.

**ENGL 018 ASIAN AMERICAN LITERATURE**

3 units
Lecture 3 units; lab 0 units

Advisory: ENGL 001A

Acceptable for credit: University of California, California State University

This course provides a cross-cultural comparative study of the literary works of several Asian American authors. Through their works, students have the opportunity to learn about history, culture, customs, and traditions of at least four of the following Asian American communities: Chinese, Japanese, Korean, Filipino, Vietnamese, Indian, and other southeast Asians and Pacific Islanders. Pass/No Pass Option

**ENGL 018H HONORS ASIAN AMERICAN LITERATURE**

3 units
Lecture 3 units; lab 0 units

Advisory: ENGL 001A

Acceptable for credit: California State University

Honors Asian American Literature uses the pedagogical methods common to all honors courses: writing-intensive, collaborative, and experiential instruction. As an honors course, there will be focus on analytical writing and an emphasis on a higher degree of student participation and leadership in class discussions and other interactive teaching/learning techniques that are generally unsuitable for larger undergraduate classes. This course provides a cross-cultural comparative study of the literary works of several Asian American authors. Through their works, students have the opportunity to learn about history, culture, customs, and traditions of at least four of the following Asian American communities: Chinese, Japanese, Korean, Filipino, Vietnamese, Indian, and other southeast Asians and Pacific Islanders. Pass/No Pass Option

**ENGL 041 LITERATURE AND FILM**

3 units
Lecture 3 units; lab 0 units

Advisory: ENGL 001A

Acceptable for credit: University of California, California State University

This course examines cultural, artistic, historical, critical and theoretical aspects of selected works of literature and film. Students have the opportunity to engage a wide range of film and literature—often including adaptations of one into the other—as they learn to analyze and evaluate the techniques used by artists in both media.

**ENGL 041H HONORS LITERATURE AND FILM**

3 units
Lecture 3 units; lab 0 units

Advisory: ENGL 001A

Acceptable for credit: California State University

Honors Literature and Film uses the pedagogical methods common to all honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. As an honors course, there is a focus on analytical writing and an emphasis on a higher degree of student participation and leadership in class discussions and other interactive teaching/learning techniques that are generally unsuitable for larger undergraduate classes. This course examines cultural, artistic, historical, critical and theoretical aspects of selected works of literature and film. Students have the opportunity to engage a wide range of film and literature—often including adaptations of one into the other—as they learn to analyze and evaluate the techniques used by artists in both media.

**ENGL 043 CLASSICAL MYTHOLOGY**

3 units
Lecture 3 units; lab 0 units

Advisory: ENGL 001A

Acceptable for credit: University of California, California State University

Using translations of epic, poetic, and dramatic texts of classical writers and philosophers, this course examines the meaning and function of myth in the literature of Ancient Greece and Rome as well its recurrence and significance in modern works. Pass/No Pass Option

**ENGL 043H HONORS CLASSICAL MYTHOLOGY**

3 units
Lecture 3 units; lab 0 units

Advisory: ENGL 001A

Acceptable for credit: University of California, California State University

Honors Classical Mythology uses the pedagogical methods common to all honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. Using translations of epic, poetic, and dramatic texts of classical writers and philosophers, this course examines the meaning and function of myth in the literature of Ancient Greece and Rome as well as its recurrence and significance in modern works.

**ENGL 044 THE BIBLE AS LITERATURE**

3 units
Lecture 3 units; lab 0 units

Advisory: ENGL 001A, READ 053

Acceptable for credit: University of California, California State University

This course examines the Bible as an anthology, with each work influenced by its sociopolitical context, historical background, and linguistic and literary milieu. To do so entails examination of different literary genres such as letters and poetry; devices such as parallelism and metaphor; as well as the Bible’s compilation, transmission, and translation processes. This course also examines its influence on English-language literature. Pass/No Pass Option

**ENGL 046 CONTEMPORARY AMERICAN MULTI-CULTURAL LITERATURE**

3 units
Lecture 3 units; lab 0 units

Advisory: ENGL 001A, READ 053

Acceptable for credit: University of California, California State University

This course examines contemporary American literature by writers from at least three of the following groups: African American/Black, American Indian, Asian American/Pacific Islander, US Latino, European American, and Middle Eastern-American. Students examine issues such as race, class, gender, and sexualities as explored in the literary works. This course satisfies the 3-unit Cultural Diversity requirement for the associate degree. Pass/No Pass Option

**PREREQUISITES AND COREQUISITES are MANDATORY.** See page 5 for specific information.

**Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.**
ENGL 046H HONORS CONTEMPORARY AMERICAN MULTICULTURAL LITERATURE
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A, READ 053
Acceptable for credit: University of California, California State University
Honors Contemporary American Multi-Cultural uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course examines contemporary American literature by writers from at least three of the following groups: African American/Black, American Indian, Asian American/Pacific Islander, US Latino, European American, and Middle Eastern n-American. Students examine issues such as race, class, gender, and sexualities as explored in the literary works. This course satisfies the 3-unit Cultural Diversity requirement for the associate degree.

ENGL 047 INTRODUCTION TO POETRY
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A, READ 053
Acceptable for credit: University of California, California State University
This course examines poetry from a variety of angles, including terminology, form, performance, and composition. In addition to studying poets and movements, students also perform poetry, create poems, and write at least one analytical essay. Pass/No Pass Option

ENGL 047H HONORS INTRODUCTION TO POETRY
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: California State University
Honors Introduction to Poetry uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. As an honors course, there is a focus on analytical writing and an emphasis on a higher degree of student participation and leadership in class discussions and other interactive teaching/learning techniques that are generally unsuitable for larger undergraduate classes. This course examines poetry from a variety of angles, including terminology, form, performance, and composition. In addition to studying poets and movements, students also perform poetry, create poems, and write analytical essays that require research and high-level critical thinking.

ENGL 048 INTRODUCTION TO SHAKESPEARE
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
This course provides overviews of the historical and political events of Shakespeare's age, the religious and philosophical ideas of the Early Modern period, and modern critical approaches to Shakespeare’s works. In addition, students in this course have the opportunity to evaluate a selection of Shakespeare’s major plays and poetry. Pass/No Pass Option

ENGL 048H HONORS INTRODUCTION TO SHAKESPEARE
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
Honors Introduction of Shakespeare uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. In this course students read, view, and critically analyze a selection of Shakespeare's major plays and poetry. The course provides overviews of the historical and political events of Shakespeare's age, the religious and philosophical ideas of the Early Modern period, and modern critical approaches to Shakespeare's works. In addition, the course provides students opportunities to evaluate productions of Shakespeare's plays. Pass/No Pass Option

ENGL 049 MODERN FICTION
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
This course focuses on reading and analyzing fiction from the Modern Period (1895-1945). It also covers Pre-modern literary movements and Postmodern texts. It fulfills general education requirement for literature.

ENGL 049H HONORS MODERN FICTION
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
Honors Modern Fiction uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course focuses on reading and analyzing fiction from the Modern Period (1895-1945). It also covers Pre-modern literary movements and Postmodern texts. It fulfills general education requirement for literature.

ENGL 070 CREATIVE WRITING
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A and ENGL 001B
Acceptable for credit: University of California, California State University
C-ID ENGL 200
This course provides an introduction to the practice and study of the craft involved in writing fiction and poetry. The course also includes the analysis and critical examination of the works of various professional writers and student writers during class workshops. Pass/No Pass Option

ENGL 071 WRITING FICTION
3 units
Lecture 3 units; lab 0 units
Prerequisite: ENGL 001A
Advisory: ENGL 070
Acceptable for credit: University of California, California State University
This course provides instruction in writing fiction at the intermediate level. Students write short stories or several chapters of a novel at a more sophisticated level by more fully developing the elements of fiction in their writing. Students in this course also analyze and critique each other’s work in the workshop format. This course may be of interest to students with the goal of further improving creative writing skills or creating a portfolio prior to transferring to a 4-year program in creative writing. Pass/No Pass Option
ENGL 072 WRITING POETRY
3 units
Lecture 3 units; lab 0 units
Prerequisite: ENGL 001A
Advisory: ENGL 070
Acceptable for credit: University of California, California State University
This course provides instruction in writing poetry at the intermediate level. Students write poems at a more sophisticated level by more fully developing the elements of poetry in their writing. Students in this course also analyze and critique each other's work in a workshop format. This course may be of interest to students with the goal of further improving their creative writing skills, or creating a portfolio prior to transferring to a 4-year program in creative writing. Pass/No Pass Option

ENGL 080 VOICES: THE LITERARY ARTS MAGAZINE
2 units
Lecture 2 units; lab 0 units
Advisory: ENGL 905 or ENGL 905X
Acceptable for credit: California State University
This course provides instruction and training in the managing, editing, printing, and distribution of a literary arts journal or magazine. The class participants will constitute the staff of the magazine/journal. Pass/No Pass Option

ENGL 081 VOICES: INTERMEDIATE LITERARY ARTS MAGAZINE
2 units
Lecture 2 units; lab 0 units
Advisory: ENGL 905 or ENGL 905X
Acceptable for credit: California State University
This course offers students the opportunity to participate in the final production of Voices Literary Arts Magazine, West Valley's student literary journal. It provides intermediate practical workshop training in running, producing, and collaborating on Voices. This course focuses on selecting submissions and editing manuscripts; designing and laying out journal content; and finalizing production and the printing of an issue of Voices. Class members constitute the editorial staff of Voices. Pass/No Pass Option

ENGL 099X SUPPLEMENTAL ENGLISH COMPOSITION
2 units
Lecture 2 units; lab 0 units
Prerequisite: ENGL 903 or LRSV 941B or READ 961 or LRSV 942
Co-requisite: ENGL 001A
This course is intended for students eligible for English 905 but who wish to enroll in a designated co-requisite English 1A section to complete the sequence in one intensive semester. This course is part of a learning community that provides supplemental instruction through targeted practice on the techniques of critical reading, analysis of texts, essay writing processes, research skills, and the campus resources that enhance student success in English 1A. This course is not designed to meet the needs of ESL students. This course does not fulfill the English requirement for the Associate's degree and is not a baccalaureate level course. Pass/No Pass Only

• PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
English as a Second Language

THE FACULTY
Gail Ann Barta
Sylvia Ortega
Ann Marie Wasserbauer

DIVISION Language Arts
DEAN Jennifer Johnson
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The English as a Second Language Department at West Valley College offers six levels of courses in grammar/ writing, listening/ speaking, and reading comprehension/ vocabulary. The ESL Skills Lab and the World Languages Center supplement these semester-long courses.

To enroll in ESL, students need to take the ESL placement test or complete the prerequisites. ESL classes at the 960-964 levels are non-degree applicable and non-transferable. Courses at the 65 level are Associate Degree applicable and transferable to either a UC or a CSU.

Learning Outcomes
After completing all levels of ESL, a student will be able to:
- Identify and use the grammatical elements of college-level standard English to write an essay using academic level vocabulary;
- Participate in a group discussion using appropriate social and linguistic forms to join an ongoing discussion;
- Produce speech which is intelligible and accurately articulated;
- Identify aspects of American culture and values and those of other cultural traditions;
- Demonstrate confidence in communicating in English.

ESLW 960 FOUNDATIONS IN ESL
6 units
Lecture 6 units; lab 0 units
This course provides basic functional practice in reading, writing, listening, speaking, and grammar for low-beginning level ESL students. It also provides preparation for placement into ESLW 961 classes. Oral communication tasks involve the comprehension and production of basic verbal instructions and requests, communication strategies, pronunciation, and vocabulary usage. Written communication tasks include completion of grammar exercises and short written assignments. Students are given the opportunity to develop basic study skills such as time management, and to complete simple tasks involving the library, dictionary, and computer. Pass/No Pass Option

ESLW 961GW BASIC GRAMMAR AND WRITING 1
4 units
Lecture 4 units; lab 0 units
Prerequisite: ESLW 960
Advisory: ESLW 961LS and ESLW 961RV
This course is designed to improve the writing and grammar skills of ESL students at the high-beginning level. This course gives students the opportunity to use basic grammatical forms and write simple sentences using correct word forms, word order, function words, spelling, and punctuation. Pass/No Pass Option

ESLW 962GW BASIC GRAMMAR AND WRITING 2
3 units
Lecture 3 units; lab 0 units
Prerequisite: ESLW 961GW
Advisory: ESLW 962LS and ESLW 962RV
This course is designed to improve the basic grammar and writing skills of ESL students. The focus is on the study and practice of simple and compound sentences, using compound tenses and correct word forms, word order, spelling, and punctuation. Pass/No Pass Option
ESLW 963GW SENTENCE DEVELOPMENT
3 units
Lecture 3 units; lab 0 units
Prerequisite: ESLW 962GW
Advisory: ESLW 963LS and ESLW 963RV
This course gives students the opportunity to develop writing fluency at the sentence and paragraph level through study and practice of compound and complex sentence patterns and organizational patterns used in standard written English. Pass/No Pass Option

ESLW 964GW PARAGRAPH DEVELOPMENT
3 units
Lecture 3 units; lab 0 units
Prerequisite: ESLW 963GW
Advisory: ESLW 964LS and ESLW 964RV
This course gives students the opportunity to develop the ability to write varied complex sentences and effective paragraphs in standard written English. The course focuses on study and practice of complex sentence structures, and prewriting techniques including outlining and basic rhetorical patterns.

ESLW 065GW COMPOSITION IN ENGLISH AS A SECOND LANGUAGE
4 units
Lecture 4 units; lab 0 units
Prerequisite: ESLW 964GW
Advisory: ESLW 065RV and ESLW 065LS
Acceptable for credit: University of California, California State University
This course provides students with the opportunity to develop fluency in writing expository paragraphs in standard written English and introduces essay structure. The focus is on the study and practice of thesis statements, rhetorical patterns, organization of an essay, coherence and the writing process. Pass/No Pass Option

ESLW 961LS BASIC LISTENING AND SPEAKING 1
4 units
Lecture 4 units; lab 0 units
Prerequisite: ESLW 960
Advisory: ESLW 961GW and ESLW 961RV
This course is designed to improve the listening and speaking skills of ESL students at the high-beginning level. This course gives students the opportunity to develop comprehension of verbal instructions, vocabulary in context, and ideas in sentences, monologues, and dialogues. Students are given the opportunity to develop clear pronunciation of common words, phrases, and pronunciation patterns of stress and intonation in English. Pass/No Pass Option

ESLW 962LS BASIC LISTENING AND SPEAKING 2
4 units
Lecture 4 units; lab 0 units
Prerequisite: ESLW 961LS
Advisory: ESLW 962GW and ESLW 962RV
This course is designed to improve the basic listening and speaking skills of ESL students by providing instruction and extensive practice in identifying the central message of extended speech. Students are provided the opportunity to comprehend familiar topics spoken by a native speaker at a reduced speed. Topics include current events and issues, life experience, past, and future events, and cultural comparisons. The focus is on American English pronunciation, word endings, word stress, sentence rhythm, and usage of the 3000 most common English words. Pass/No Pass Option

ESLW 963LS ORAL COMMUNICATION 1
4 units
Lecture 4 units; lab 0 units
Prerequisite: ESLW 962LS
Advisory: ESLW 963RV and ESLW 963GW
The course is designed to provide instruction and extensive practice in comprehending the significant details of familiar and unfamiliar topics spoken by a native speaker at a natural speed. Speaking and listening practice includes note-taking, giving opinions, summarizing, discussing, speculating, predicting, and giving short presentations. The focus is on American English intonation, thought groups, connected speech, and usage of the 5000 most common English words. Pass/No Pass Option

ESLW 964LS ORAL COMMUNICATION 2
4 units
Lecture 4 units; lab 0 units
Prerequisite: ESLW 963LS
Advisory: ESLW 964GW and ESLW 964RV
This course is designed to provide instruction and extensive practice in oral communication and in comprehending academic lectures adapted for English language learners. Speaking and listening practice includes identifying main concepts and summarizing using academic vocabulary and reported speech, producing outlines, and describing hypothetical situations. The focus is on usage of the 7000 most common English words and most common academic vocabulary. Pass/No Pass Option

ESLW 065LS ACADEMIC LISTENING & SPEAKING
4 units
Lecture 4 units; lab 0 units
Prerequisite: ESLW 964LS
Advisory: ESLW 065GW and ESLW 065RV
Acceptable for credit: California State University
This course is designed to provide instruction and extensive practice in academic listening and speaking such as comprehending academic lectures, note-taking, producing original speeches, analyzing hypothetical situations and becoming proficient in academic discourse. The focus is on usage of the 10,000 most common English words, including academic vocabulary. Pass/No Pass Option

ESLW 961RV BASIC READING AND VOCABULARY 1
4 units
Lecture 4 units; lab 0 units
Prerequisite: ESLW 960
Advisory: ESLW 961GW and ESLW961LS
ESL 961RV focuses on vocabulary development and basic comprehension of ideas in sentences and groups of sentences written in standard English. Students receive focused practice in the association of sound and meaning. Materials and class discussions are designed to increase knowledge of American culture necessary for understanding concepts and texts in English. Pass/No Pass Option

ESLW 962RV BASIC READING AND VOCABULARY 2
3 units
Lecture 3 units; lab 0 units
Prerequisite: ESLW 961RV
Advisory: It is strongly recommended that students enroll concurrently in ESLW 962GW and 962LS.
This course emphasizes reading and vocabulary development for ESL students at a low-intermediate level. This course gives non-native speakers of English the opportunity to develop reading skills and increase their active vocabulary through adapted readings about real people, places, events, and ideas using the most common 2000 English words. Materials and discussions are designed to increase students’ ability to relate their life experiences to the reading topics. Pass/No Pass Option
E SLW 963RV INTERMEDIATE READING AND VOCABULARY 1
3 units
Lecture 3 units; lab 0 units
Prerequisite: ESLW 962RV
Advisory: It is strongly recommended that students enroll concurrently in ESLW 963GW and ESLW 963LS.
This course emphasizes reading and vocabulary development for ESL students at an intermediate level. The course gives non-native speakers of English the opportunity to develop reading skills and increase their active vocabulary through adapted readings about real people, places, events, and ideas using the 3000 most common English words. Materials and discussions are designed to increase students’ ability to analyze and summarize passages on familiar and unfamiliar topics, identify the main ideas and supporting details, and use reading strategies such as skimming, scanning, predicting, and identifying the organizational patterns. Pass/No Pass Option

E SLW 964RV INTERMEDIATE READING AND VOCABULARY 2
3 units
Lecture 3 units; lab 0 units
Prerequisite: ESLW 963RV
Advisory: It is strongly recommended that students enroll concurrently in ESLW 964GW and 964LS.
This course emphasizes reading and vocabulary development for ESL students at a high-intermediate level in a variety of social, business, and/or academic situations. The course gives non-native speakers of English the opportunity to develop their reading comprehension and reading skills such as identifying the writer’s attitude. The course allows students to increase their active vocabulary using the 4000 most common English words, including some academic vocabulary, and provides students the opportunity to use current vocabulary resources, syntactic knowledge, and new and idiomatic expressions to share their ideas. Pass/No Pass Option

E SLW 065RV ACADEMIC READING & VOCABULARY
3 units
Lecture 3 units; lab 0 units
Prerequisite: ESLW 963RV
Acceptable for credit: California State University
Advisory: ESLW 065LS and ESLW 065GW
This course emphasizes reading and vocabulary development for ESL students at an advanced level. Students read articles that are longer and more complex than in ESLW 964RV. Emphasis is on paraphrasing, summarizing, and analysis of texts to make abstract inferences and recognize propaganda. Pass/No Pass Option

Fashion Design and Apparel Technology

THE FACULTY
Tiini Keller
Kyung H (Kae) Min

DIVISION
Olier School of Art and Design

DEAN
Andrew Chandler

DEPARTMENT CHAIR
Diane Hurd

PHONE
408-741-2110

EMAIL
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COUNSELING
408-741-4068

Degrees:
A.S., Apparel Design
A.S., Apparel Production

Certificates:
Apparel Design, Level 1
Apparel Design, Level 2
Apparel Production

The West Valley College Fashion Design and Apparel Technology department offers an A.S. degree and certificate options in Apparel Design and Apparel Production. The program’s strength is in a comprehensive curriculum of design and production courses based on industry standard methods. These courses are designed to meet the different experience levels of students from beginner to advanced, as well as assist industry professionals seeking to upgrade their skills. To insure industry experience, students are encouraged to complete an internship in the apparel or a related industry.

Associate degree in Apparel Design will enable our students to stay competitive in the job market that has become more focused on higher education. Graduates from the program will also be able to apply for upper division programs and transfer to state universities for further education.

Career Options
- CAD Grader/Marker Maker
- CAD Pattern maker
- Designer
- Fabric/Trim Buyer
- First Pattern Maker
- Illustrator
- Merchandiser
- Production Coordinator
- Production Manager
- Production Pattern Maker
- Quality Controller
- Sample Maker
- Stylist
- Technical Designer

COURSE SUBSTITUTION AND WAIVERS
Course substitution and waivers are approved by the department upon review of transcripts, course description, and evidence of proficiency in the subject matter.

FASHION DESIGN: For transfer information see assist.org and/or consult with a counselor.

APPAREL DESIGN
A.S. Degree

The Apparel Design Associate of Science degree offers a comprehensive curriculum of design courses based on industry standard methods. These courses are designed to meet the different experience levels of students from beginner to advanced, as well as assist industry professionals seeking to upgrade their skills.
The Apparel Design Student will be able to:
- Produce and present designs from concept to finished product.
- Use industry standard manufacturing equipment.
- Use computer aided design and manufacturing equipment and software for design development and production.
- Create a production package, patterns and sample garments for mass market.
- Utilize available technology for research.
- Participate as a team member in a diverse work environment.
- Demonstrate ability to function in a professional apparel industry environment.
- Demonstrate creative problem solving skills.
- Allocate time and materials to meet project deadlines.
- Evaluate, organize, maintain, interpret and communicate information.

After completing this degree students will be:
- Prepared for entry to mid-level positions in fashion design, trend forecasting, prototype sample development, and sourcing.

Students may seek additional education at a 4-year institution such as Cal Poly Pomona, UC Davis, Fashion Institute of Technology or private fashion schools.

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<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>FDAT 030</td>
<td>Introduction to Fashion Design</td>
<td>3</td>
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<tr>
<td>FDAT 032</td>
<td>History of Fashion</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 044</td>
<td>Fashion Drawing</td>
<td>3</td>
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<tr>
<td>FDAT 051</td>
<td>Basic Apparel Construction</td>
<td>3</td>
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<tr>
<td>FDAT 052A</td>
<td>Fabric Analysis 1</td>
<td>3</td>
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<tr>
<td>FDAT 052B</td>
<td>Fabric Analysis 2</td>
<td>3</td>
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<td>FDAT 056</td>
<td>Patternmaking 1</td>
<td>3</td>
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<tr>
<td>FDAT 057</td>
<td>Patternmaking 2</td>
<td>3</td>
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<tr>
<td>FDAT 066</td>
<td>Technical Design</td>
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<tr>
<td>FDAT 070</td>
<td>Elements &amp; Principles of Design</td>
<td>3</td>
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<tr>
<td>FDAT 076</td>
<td>Creative Apparel Design</td>
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<td>FDAT 081</td>
<td>Line Development</td>
<td>3</td>
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<tr>
<td>FDAT 087</td>
<td>CAD: Technical Drawings and Specifications</td>
<td>3</td>
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</table>

Recommended Elective
- FDAT 084 Fashion Design Internship 3

Total Major Units 38

To be awarded an A.S. Degree, a student must complete:
1. All major requirements.
2. Additional units to meet the college graduation requirements.

Recommended Course Sequence:
- **Fall, Year 1 (12 Units):**
  - FDAT 030, FDAT 044, FDAT 051, FDAT 052A
- **Spring, Year 1 (12 Units):**
  - FDAT 052B, FDAT 056, FDAT 070, FDAT 087
- **Fall, Year 2 (11 Units):**
  - FDAT 032, FDAT 057, FDAT 066, FDAT 076
- **Spring, Year 2 (3 Units):**
  - FDAT 081

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**APPAREL DESIGN LEVEL 1 Certificate of Achievement**

The Apparel Design Level 1 Certificate of Achievement offers an entry level curriculum of design courses based on industry standard methods. These courses are designed to meet the needs of students at the introductory level. Students who complete the Apparel Design Level 1 Certificate will have the entry level ability to create garments from initial sketches, through product development, pattern making, construction and finishing of the garment. They will also have the ability to function in the product development area that meets the professional requirements of the apparel industry. Possible career options are: Assistant Designer, Assistant Patternmaker, Production Assistant, Entry Level Technical Designer, and Entry Level Seamstress/Tailor.

Upon completion of the Apparel Design Level 1 certificate the student will be able to:
- Use industry standard manufacturing equipment.
- Utilize available technology for research.
- Demonstrate ability to function in a professional apparel industry environment.
- Allocate time and materials to meet project deadlines.
- Evaluate, organize, maintain, interpret and communicate information.
- Demonstrate creative problem solving skills.
- Participate as a team member in a diverse work environment.

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<td>FDAT 052A</td>
<td>Fabric Analysis 1</td>
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<td>FDAT 052B</td>
<td>Fabric Analysis 2</td>
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<tr>
<td>FDAT 055</td>
<td>Apparel Manufacturing</td>
<td>3</td>
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<td>FDAT 056</td>
<td>Patternmaking 1</td>
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<tr>
<td>FDAT 070</td>
<td>Elements &amp; Principles of Design</td>
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Total Certificate Units 24

For crosswalk of new subject codes, see page 61

**Recommended Course Sequence:**
- **Fall, Year 1 (12 Units):**
  - FDAT 030, FDAT 051, FDAT 052A, FDAT 055
- **Spring, Year 1 (12 Units):**
  - FDAT 044, FDAT 052B, FDAT 056, FDAT 070

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**APPAREL DESIGN LEVEL 2 Certificate of Achievement**

The Apparel Design Level 2 Certificate of Achievement offers a comprehensive curriculum of design courses based on industry standard methods. These courses are designed to meet the different experience levels of students from beginner to advanced, as well as assist industry professionals seeking to upgrade their skills.

The Apparel Design Level 2 Certificate student will be able to:
- Produce and present designs from concept to finished product.
- Use industry standard manufacturing equipment.
- Use computer aided design and manufacturing equipment and software for design development and production.
- Create a production package, patterns and sample garment for mass market.
- Utilize available technology for research.
- Participate as a team member in a diverse work environment.
- Demonstrate ability to function in a professional apparel industry environment.
- Demonstrate creative problem solving skills.
APPAREL PRODUCTION
A.S. Degree

The Apparel Production A.S degree is designed as a comprehensive curriculum of production courses based on industry standard methods for pattern design leading to first sample production utilizing both manual and electronic techniques. These courses are designed to meet the different experience levels of students from beginner to advanced, as well as assist industry professionals seeking to upgrade their skills.

Students completing the Apparel Production, A.S will be able to:
- Use industry standard manufacturing equipment.
- Use computer aided design and manufacturing equipment and software for design development and production.
- Utilize available technology for research.
- Participate as a team member in a diverse work environment.
- Demonstrate ability to function in a professional apparel industry environment.
- Demonstrate creative problem solving skills.
- Allocate time and materials to meet project deadlines.
- Evaluate, organize, maintain, interpret and communicate information.

In addition to program specific courses students must complete 25 units of GE required course work.

After completing this degree, students will be prepared for entry level positions in patternmaking, technical design, electronic patternmaking, grading, and marker making. Students may seek additional education at a 4-year institution such as Cal Poly Pomona, UC Davis, Fashion Institute of Technology or private fashion schools.

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FDAT 019</td>
<td>Computer Patternmaker</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 030</td>
<td>Introduction to Fashion Design</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 032</td>
<td>History of Fashion</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 044</td>
<td>Fashion Drawing</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 051</td>
<td>Basic Apparel Construction</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 052A</td>
<td>Fabric Analysis 1</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 052B</td>
<td>Fabric Analysis 2</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 055</td>
<td>Apparel Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 056</td>
<td>Patternmaking 1</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 057</td>
<td>Patternmaking 2</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 066</td>
<td>Technical Design</td>
<td>2</td>
</tr>
<tr>
<td>FDAT 070</td>
<td>Elements &amp; Principles of Design</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 076</td>
<td>Creative Apparel Design</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 081</td>
<td>Line Development</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 087</td>
<td>CAD: Technical Drawings and Specifications</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 027</td>
<td>Professional Image</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 020</td>
<td>Couture Embellishment</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 058</td>
<td>Fashion Draping</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 084</td>
<td>Fashion Design Internship</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 019</td>
<td>Computer Patternmaking</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 030</td>
<td>Introduction to Fashion Design</td>
<td>3</td>
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<td>FDAT 052A</td>
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<td>FDAT 057</td>
<td>Patternmaking 2</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 066</td>
<td>Technical Design</td>
<td>2</td>
</tr>
<tr>
<td>FDAT 058</td>
<td>Fashion Draping</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 087</td>
<td>CAD: Technical Drawings and Specifications</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Major Units: 35

To be awarded an A.S Degree, a student must complete:
1. All major requirements.
2. Additional units to meet the college graduation requirements

For crosswalk of new subject codes, see page 61

Recommended Course Sequence:

Fall, Year 1 (12 Units):
FDAT 030, FDAT 051, FDAT 052A, FDAT 055
Spring, Year 1 (12 Units):
FDAT 030, FDAT 051, FDAT 052A, FDAT 056

Fall, Year 2 (11 Units):
FDAT 020, FDAT 051, FDAT 057, FDAT 066, FDAT 076
Spring, Year 2 (3 Units):
FDAT 019, FDAT 081, FDAT 087

Elective Courses

Spring, Year 2 (3 Units):
Choose from Elective Course List

- ADVISORY is a recommended preparation, NOT a REQUIREMENT.
- This catalog is subject to change and may be incomplete. Please consult the addenda at westvalley.edu/catalog/
APPAREL PRODUCTION
Certificate of Achievement

The Apparel Production Certificate of Achievement offers a comprehensive curriculum of production courses based on industry standard methods for pattern design leading to first sample production utilizing both manual and electronic techniques. These courses are designed to meet the different experience levels of students from beginner to advanced, as well as assist industry professionals seeking to upgrade their skills.

The Apparel Production student will be able to:
- Use industry standard manufacturing equipment.
- Use computer aided design and manufacturing equipment and software for design development and production.
- Utilize available technology for research.
- Participate as a team member in a diverse work environment.
- Demonstrate ability to function in a professional apparel industry environment.
- Demonstrate creative problem solving skills.
- Allocate time and materials to meet project deadlines.
- Evaluate, organize, maintain, interpret and communicate information.

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>Required Core Courses: 28 units</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FDAT 019</td>
<td>Computer Patternmarker</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 030</td>
<td>Introduction to Fashion Design</td>
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<td>3</td>
</tr>
<tr>
<td>FDAT 066</td>
<td>Technical Design</td>
<td>2</td>
</tr>
<tr>
<td>Elective Courses: 3 units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FDAT 020</td>
<td>Couture Embellishment</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 027</td>
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<td>Fashion Design Internship</td>
<td>3</td>
</tr>
<tr>
<td>FDAT 087</td>
<td>CAD: Technical Drawings and Specifications</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Units: 29

For crosswalk of new subject codes, see page 61

Recommended Course Sequence:
- Fall, Year 1 (12 Units):
  - FDAT 030, FDAT 051, FDAT 052A, FDAT 066
- Spring, Year 1 (9 Units):
  - FDAT 019, FDAT 52B, Electives (Any Course)
- Fall, Year 2 (8 Units):
  - FDAT 055, FDAT 057, FDAT 066

Fashion Design Program Course Correspondence

The Fashion Design Department has engaged in the development of new course numbers for some courses. Please see the chart below for the correspondence between old course numbering and new course numbering for the purpose of degree and certificate completion. Courses that are not listed have not been changed. For more information on the requirements for completion of certificates and degrees and educational planning, please see a counselor by calling 408-741-2009.

<table>
<thead>
<tr>
<th>Former Course #</th>
<th>Current Course #</th>
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<tbody>
<tr>
<td>FD 18A and 18B</td>
<td>FDAT 19</td>
</tr>
<tr>
<td>FD 40A and 40B</td>
<td>FDAT 44</td>
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<td>FD 50</td>
<td>FDAT 51</td>
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<tr>
<td>FD 54</td>
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<tr>
<td>FD 60</td>
<td>FDAT 56</td>
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<tr>
<td>FD 62</td>
<td>FDAT 57</td>
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<tr>
<td>FD 64</td>
<td>FDAT 58</td>
</tr>
<tr>
<td>FD 80</td>
<td>FDAT 81</td>
</tr>
</tbody>
</table>

FDAT 019 COMPUTER PATTERNMAKING
3 units
Lecture 2 units; lab 1 unit
Advisory: FDAT 056
Acceptable for credit: California State University
This course concentrates on computer techniques for patternmaking using Gerber Technology (GT) AccuMark software. This course provides students the opportunity to access Pattern Design System (PDS) software and also Marker Making and grading using Gerber AccuMark Software. Pass/No Pass Option

FDAT 020 COUTURE EMBELLIISHMENT
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
This course provides students the opportunity to learn embellishment techniques used in the couture fashion industry and explore their use for the enhancement of contemporary designs. Pass/No Pass Option

FDAT 027 PROFESSIONAL IMAGE
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
This course consists of wardrobe coordination and business etiquette practices for professional and contemporary life styles. Theories of color harmony and individual coloring, proportion, line and design for individual figures and faces are presented in the context of projecting a professional image in a business environment. Information presented in this course is particularly applicable for those in all professional careers. Pass/No Pass Option

FDAT 030 INTRODUCTION TO FASHION DESIGN
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
This course presents general information about the global fashion industry, fashion change, environmental issues and the process of apparel design and production. Career opportunities and requirements for employment within the fashion industry are explored. Pass/No Pass Option
FDAT 032 HISTORY OF FASHION  
3 units  
Lecture 3 units; lab 0 units  
Acceptable for credit: California State University  
This class covers the historical development of Western fashions/costumes with emphasis on the period from 1660 to the present. The effect of a historical period on the fashions of the times is explored with an emphasis on the relationship between past eras and today’s fashion. Students have the opportunity to study the careers of major twentieth century designers and their contribution to the field of fashion. Pass/No Pass Option

FDAT 044 FASHION DRAWING  
3 units  
Lecture 3 units; lab 0 units  
Acceptable for credit: California State University  
This course introduces the techniques for drawing apparel. These techniques include principles of fashion figure proportion, garment styling, and fabric rendering. Basic fashion figures called “croquis” forms are used to draw apparel in the flat and the three dimensional form. This course is essential for anyone entering any apparel design career and is helpful to those entering an apparel manufacturing or patternmaking career. Pass/No Pass Option

FDAT 051 BASIC APPAREL CONSTRUCTION  
3 units  
Lecture 2 units; lab 1 unit  
Acceptable for credit: California State University  
This course provides students the opportunity to use basic industry standard construction techniques and sequences for mass production of apparel. Working in a mock-factory setting, students have the opportunity to operate and maintain sewing equipment while completing several basic garments. Pass/No Pass Option

FDAT 052A FABRIC ANALYSIS 1  
3 units  
Lecture 3 units; lab 0 units  
Acceptable for credit: California State University  
Fabric information applicable to apparel and other textile related products are presented with emphasis on the analysis of fibers, yarns, fabric construction, coloration and finishes as they relate to textile end products. The course provides students the opportunity to perform hands-on experiments to reinforce basic information and expand working knowledge of fabrics. Pass/No Pass Option
FDAT 052B FABRIC ANALYSIS 2
3 units
Lecture 3 units; lab 0 units
Prerequisite: FDAT 052A
Acceptable for credit: California State University
This course is a continuation of FDAT 052A. Woven, knit, and printed fabrics as well as textile innovations are studied in depth. Textile testing, labeling, regulations and environmental concerns are also covered. Emphasis is placed on understanding fabric’s behavior, durability, performance and the criteria for selecting appropriate fabrics for apparel. Pass/No Pass Option

FDAT 055 APPAREL MANUFACTURING
3 units
Lecture 2 units; lab 1 unit
Acceptable for credit: California State University
This course is an introduction to the industrial process of apparel manufacturing including garment construction and assembly techniques, factory methods of mass production, operation of industrial power equipment, and the processes of work flow and production management. Pass/No Pass Option

FDAT 056 PATTERNMAKING 1
3 units
Lecture 2 units; lab 1 unit
Acceptable for credit: California State University
This course covers the methods of creating flat patterns for workroom sample garments using fashion industry professional patternmaking techniques. Students have the opportunity to create style variations by manipulating basic pattern blocks. Designs are transferred from sketches into usable first sample patterns for apparel production. Pass/No Pass Option

FDAT 057 PATTERNMAKING 2
3 units
Lecture 2 units; lab 1 unit
Prerequisite: FDAT 056
Acceptable for credit: California State University
This course is a continuation of Patternmaking 1. Advanced flat patternmaking techniques are emphasized for both woven and knit fabrics. Students have the opportunity to create style variations for sportswear and outerwear designs using basic patterns drafted from measurements. Students also have the opportunity to develop, construct and test first patterns and sample garments to fit on industry dress forms. All projects are produced using industry dress forms and industry equipment in the Fashion Design lab. Pass/No Pass Option

FDAT 058 FASHION DRAPPING
3 units
Lecture 2 units; lab 1 unit
Acceptable for credit: California State University
This course covers the three-dimensional method of creating workroom sample garments using fashion industry professional draping techniques. Students have the opportunity to drape designs in muslin and fashion fabric on standard industry dress forms then transfer them into first patterns for apparel production. Students also have the opportunity to construct sample garments. Pass/No Pass Option

FDAT 066 TECHNICAL DESIGN
2 units
Lecture 2 units; lab 0 units
Advisory: FDAT 087
Acceptable for credit: California State University
This course covers computer techniques for creating garment specification packages for apparel manufacturing. Students have the opportunity to learn to import images of technical drawings into spreadsheets and add accurate measurements to create professional spec packages. Pass/No Pass Option

FDAT 070 ELEMENTS AND PRINCIPLES OF DESIGN
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
This course introduces students to the basic design elements and principles as they apply to fashion design. The effect of silhouette, proportion, line and color are explored with the emphasis on developing an aesthetic awareness of good design. Pass/No Pass Option

FDAT 076 CREATIVE APPAREL DESIGN
3 units
Lecture 3 units; lab 0 units
Prerequisites: FDAT 044, FDAT 052A, FDAT 070
Advisory: FDAT 056 & FDAT 058
Acceptable for credit: California State University
This course explores the creative process of apparel design and the development of groups and collections. Students have the opportunity to learn the process of designing for specific markets, seasons, and price categories, and to develop designs within their chosen area of interest. Methods of organizing and presenting design concepts are stressed. Pass/No Pass Option

FDAT 081 LINE DEVELOPMENT
3 units
Lecture 3 units; lab 0 units
Prerequisites: FDAT 044, FDAT 052A, FDAT 070
Advisory: FDAT 056 & FDAT 058
Acceptable for credit: California State University
This course explores the creative process of apparel design and the development of groups and collections. Students have the opportunity to learn the process of designing for specific markets, seasons, and price categories, and to develop designs within their chosen area of interest. Methods of organizing and presenting design concepts are stressed. Pass/No Pass Option

FDAT 082 SUSTAINABLE DESIGN
3 units
Lecture 3 units; lab 0 units
Prerequisite: FDAT 030
Acceptable for credit: California State University
This course introduces students to the philosophical and practical principles of sustainable design and its application to the global fashion apparel and textile industry. Environmental issues and sustainable design principles are emphasized in order to provide a foundation for evaluating materials, processes and methods related to environmentally responsible fashion and textile production. By following the global production of apparel, students discover the implications of design decisions on the environment. Pass/No Pass Option

FDAT 084 FASHION DESIGN INTERNSHIP
3 units
Work Experience Units: 3
Advisory: FDAT 058, FDAT 052A, FDAT 044 and FDAT 030
Acceptable for credit: California State University
This course provides students with the opportunity to apply knowledge/skills learned in the Fashion Design Program through an internship in an apparel firm or design department under the supervision of a fashion professional. The course provides the opportunity for direct industry experience as well as a forum to discuss various aspects of employment in the apparel industry. Each internship must focus on a different company or department to provide a unique learning opportunity. Pass/No Pass Option

FDAT 087 CAD: TECHNICAL DRAWINGS & SPECIFICATIONS
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
This course covers the methods of creating flat sketches, technical drawings for apparel and basic textile designs using common computer aided design programs. Techniques for creating specification sheets, layouts, and presentations are also covered. This course is appropriate for students who want to create flat drawings, technical drawings, and background images in any of the following disciplines: apparel design, desktop publishing, graphic arts/design, digital arts, fine arts, and multimedia. Pass/No Pass Option

• PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
Foreign Languages
(See World Languages)

French
(See World Languages)

Gender Studies
(See Women’s Studies)

Geography

THE FACULTY
Joe Hasty

DIVISION Social Science
DEAN Raymond Gamba
DEPARTMENT CHAIR Andrew Kindon
PHONE 408-741-2554
EMAIL andrew.kindon@westvalley.edu
COUNSELING 408-741-2009

Degrees:
A.A.-T, Geography
A.A., Geography

GEOGRAPHY: For transfer information see assist.org and/or consult with a counselor.

Associate in Arts in Geography for Transfer Degree (AA-T in Geography)
The Associate in Arts in Geography for Transfer degree (AA-T in Geography) is a 60 unit program which provides students the lower division coursework required for transfer to a CSU institution for the major in Geography.

Students who complete the Associate in Arts in Geography for Transfer degree (AA-T in Geography) will be able to
• analyze the controls, distribution, and classification of world climates;
• compare and contrast different types of landforms;
• and analyze spatially related problems related to current/recent geopolitical events.

Students must complete the following requirements:
• 60 semester or 90 quarter CSU-transferable units;
• the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern;
• a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district;
• obtainment of a minimum grade point average (GPA) of 2.0;
• earn a grade of C or better in all courses required for the major or area of emphasis.

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 001</td>
<td>Intro Physical Geography</td>
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<tr>
<td>GEOG 002</td>
<td>Intro Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>OR GEOG 006</td>
<td>World Regional Geography</td>
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<td>List A Courses: 6 units</td>
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<tr>
<td>GIST 016A</td>
<td>Introduction to Geospatial Technology</td>
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</tr>
<tr>
<td>PSCI 020</td>
<td>Weather and Climate</td>
<td>3</td>
</tr>
<tr>
<td>List B Courses (select 2 courses or anything from Required Core not used): 6 to 8 units</td>
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<td></td>
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<tr>
<td>ANTH 002</td>
<td>Introduction to Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>OR ANTH 003</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 003H</td>
<td>Honors Introduction to Cultural Anthropology</td>
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<tr>
<td>OR GEOL 001A</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 001AH</td>
<td>Honors Physical Geology</td>
<td>4</td>
</tr>
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</table>

• ADVISORY is a recommended preparation, NOT a REQUIREMENT.
• This catalog is subject to change and may be incomplete. Please consult the addenda at westvalley.edu/catalog/
Course ID | Title | Units
---|---|---
HIST 017A | United States History | 3
HIST 017B | United States History | 3
HIST 017BH | Honors United States History | 3
MATH 010 | Elementary Statistics | 4
MATH 010H | Honors Elementary Statistics | 4

Total Major Units: 18 - 20

GE Units (CSU GE or IGETC): 39 or 37

Total Degree Units: 60

CSU transferable elective courses are required when the major units plus transfer GE units total is less than 60

Special transfer pathway to University of Hawaii at Manoa, see page 8.

For crosswalk of new subject codes, see page 61

Recommended Sequence:

Fall, Year 1: 3 units
GEOG 002 OR GEOG 006

Spring, Year 1: 3 units
GEOG 001

Fall, Year 2: 6-7 units
Any Course from List A AND Any Course from List B

Spring, Year 2: 6-7 units
Any Course from List B AND Any Course from List A

**GEOGRAPHY**

A.A. Degree

The Associate in Arts in Geography is a 60 unit program which provides lower division coursework for students to transfer to a four-year institution for a major in Geography.

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

- analyze the controls, distribution, and classification of world climates.
- analyze spatially related problems related to current/recent geopolitical events.
- compare and contrast different types of landforms

**Course ID | Title | Units**

| Requirements Courses: 13 units |
|---|---|---|
| GEOG 001 | Intro Physical Geography | 3 |
| GEOG 002 | Intro Cultural Geography | 3 |
| GEOG 006 | World Regional Geography | 3 |
| MATH 010 | Elementary Statistics | 4 |
| MATH 010H | Honors Elementary Statistics | 4 |

| Elective Courses: at least 9 units |
|---|---|---|
| ANTH 001 | Introduction to Physical Anthropology | 3 |
| ANTH 002 | Introduction to Archaeology | 3 |
| ANTH 003 | Introduction to Cultural Anthropology | 3 |
| ECON 001A | Principles of Macroeconomics | 3 |
| ECON 002A | Principles of Macroeconomics Lab | 1 |
| ECON 001AH | Honors Principles of Macroeconomics | 3 |
| ECON 002AH | Honors Principles of Macroeconomics Lab | 1 |

Total Major Units 22

To be awarded an A.A. Degree, a student must complete:

1. All major requirements.
2. Additional units to meet the college graduation requirements.

For crosswalk of new subject codes, see page 61

**Recommended Course Sequence:**

Fall, Year 1 (6 Units):
GEOG 001, Electives (Any Course)

Spring, Year 1 (6 Units):
GEOG 002, Electives (Any Course)
GEOG 001 INTRO PHYSICAL GEOGRAPHY
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID GEOG 110
This course is a spatial study of the Earth’s dynamic physical systems and processes. Topics include: Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere. Emphasis is on the interrelationships among environmental and human systems and processes and their resulting patterns and distributions. Tools of geographic inquiry are also briefly covered; they may include: maps, remote sensing, Geographic Information Systems (GIS) and Global Positioning Systems (GPS). Pass/No Pass Option

GEOG 002 INTRODUCTION TO CULTURAL GEOGRAPHY
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID GEOG 120
This course is a study of systems of human technologies and cultural practices as developed in particular regions of the earth through time by human populations. People’s relationship to the land is observed through the description and explanation of changes made on the earth’s surface by human cultures. Pass/No Pass Option

GEOG 006 WORLD REGIONAL GEOGRAPHY
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID GEOG 125
This course is a survey of the world’s culture regions and nations as interpreted by geographers, including physical, cultural, and economic features. Emphasis is on spatial and historical influences on population growth, transportation networks, and natural environments. Identifying and evaluating the importance of significant features of a region are also covered.

Geology

THE FACULTY
Robert Lopez

DEAN
Science and Math
Laura Hyatt

DEPARTMENT CHAIR
Doug Epperson

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COUNSELING
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Degrees:
A.S.-T, Geology
A.S., Geology

Geology is for explorers, for people interested in their surroundings and in the physical processes that shape the land. Explorers study mountains and valleys, oceans and atmospheres, earth and life through time, and the origins of the universe. Geology is a multidisciplinary science that applies the concepts of biology, chemistry, physics, mathematics, and engineering to the natural world. The multidisciplinary approach is what makes geology exciting and challenging for students with broad scientific interests and curiosity of how natural systems work through time and space. The blend of scientific reasoning and historical perspective gives geologists an important role in society where they can apply their skills to the complex interaction of humans and the natural systems (geologic hazards and natural resources). The exploration of geology is a hands-on discipline that is realized by working with hand specimens in the lab and seeing the earth system through field experience.

At West Valley College, students of geology can choose from a variety of courses offered through the Department of Geology and Department of Oceanography. Many of our courses fulfill the transfer requirements to four-year universities. Students should consult with the university they plan to attend to make sure that all lower division transfer requirements have been fulfilled.

Highlights:
The Geology/Oceanography Department offers:

- Transferable courses (all courses fully transferable to CSU; all courses except GEOL 002B, GEOL 020, and GEOL 030 fully transferable to UC).
- Half day and whole day field trips in the San Francisco and Monterey Bay regions.
- Course Web Pages and Online Study Guides.

Career Options
Fields of study include:
- engineering geology
- environmental geology
- geobiology
- geochemistry
- geophysics
- hydrogeology
- oceanography
- paleontology
- volcanology

Most job opportunities available to geology graduates are in the private industry of engineering geology (evaluating sites for homes, commercial buildings, highways, tunnels, and other construction), environmental geology (environmental impact studies, evaluation and remediation of contaminated sites), and hydrogeology (development and control of water resources). Geologists are also employed in the discovery and extraction of earth’s natural resources (oil, gas, coal, metallic and non-metallic ores). Government agencies (federal, state, county, and city) also employ geologists at all levels for planning and regulation (inspection and monitoring) activities. A degree in geology is an excellent background for teaching science at the secondary school level.

GEOLOGY: For transfer information see assist.org and/or consult with a counselor.
ASSOCIATE IN SCIENCE IN GEOLOGY FOR TRANSFER DEGREE (AS-T in Geology)

The Associate in Science in Geology for Transfer degree (AS-T in Geology) is a 60 unit program which provides students the lower division coursework required for transfer to a CSU institution for the major in Geology.

Students who complete the Associate in Science in Geology for Transfer degree (AS-T in Geology) will be able to:

- use geological concepts to explain the physical planet, its change through time, and its influence on life through time;
- apply observational skills and the scientific method to address problems in geology;
- and demonstrate oral and written communication skills.

Students must complete the following requirements:

- 60 semester or 90 quarter CSU-transferable units
- the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district.
- obtainment of a minimum grade point average (GPA) of 2.0.

Students are not required to complete the information competency requirements, PE requirements or cultural diversity requirements found in other degrees at the College.

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>GEOL 001A</td>
<td>Physical Geology</td>
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<tr>
<td>OR</td>
<td>Honors Physical Geology</td>
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<tr>
<td>GEOL 001AH</td>
<td>Historical Geology</td>
<td>3</td>
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<tr>
<td>GEOL 002B</td>
<td>Historical Geology Laboratory</td>
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<tr>
<td>CHEM 001A</td>
<td>General Chemistry</td>
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<td>MATH 003A</td>
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<tr>
<td>GEOL 015</td>
<td>Geology of California</td>
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<td>GEOL 020</td>
<td>Field Geology</td>
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<tr>
<td>PHYS 004A</td>
<td>Engineering Physics - Mechanics</td>
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<tr>
<td>PHYS 004B</td>
<td>Engineering Physics - Electricity and Magnetism</td>
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</table>

Total Major Units 43

To be awarded an A.S. Degree, a student must complete:
1. Achieve a grade of "C" or better in the major requirements.
2. Additional units to meet the college graduation requirements.

The student should choose those general education requirements which may apply both toward the bachelor’s degree requirements at the four-year institution to which he/she plans to transfer.

For crosswalk of new subject codes, see page 61

Recommended Course Sequence:

Fall, Year 1 (14 Units):
CHEM 001A, GEOL 001A, MATH 003A

Spring, Year 1 (10 Units):
CHEM 001B, MATH 003B

Fall, Year 2 (9 Units):
GEOL 001B, PHYS 004A

Spring, Year 2 (10 Units):
GEOL 015, GEOL 020, PHYS 004B

GEOL 001A PHYSICAL GEOLOGY

4 units
Lecture 3 units; lab 1 unit
Acceptable for credit: University of California, California State University
C-ID GEOL 101

This course provides an introduction to the principles of geology with emphasis on Earth processes. This course focuses on the internal structure and origin of the Earth and the processes that change and shape it. The laboratory component focuses on the identification of rocks and minerals, topographic and geologic map exercises demonstrating the work of water, wind, ice and gravity and effects of tectonic activity. Pass/No Pass Option

GEOLOGY
A.S. Degree

The Associate of Science in Geology program supports students wishing to transfer whose academic pathways include a variety of geological based degrees or students who wish to grow in their critical thinking and analytical abilities that are present in Geology or other disciplines.

After completing an A.S. degree in Geology, a student will be able to:

- Demonstrate oral and written communication skills;
- Use geological concepts to explain the physical planet, its change through time, and its influence on life through time;
- Apply observational skills and the scientific method to address problems in geology;
- Classify and interpret rocks, minerals, and fossils;
- Read and interpret geologic maps.

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<td>PHYS 004A</td>
<td>Engineering Physics - Mechanics</td>
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<tr>
<td>PHYS 004B</td>
<td>Engineering Physics - Electricity and Magnetism</td>
<td>5</td>
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</tbody>
</table>
GEOL 001AH HONORS PHYSICAL GEOLOGY
4 units
Lecture 3 units; lab 1 unit
Acceptable for credit: University of California, California State University
C-ID GEOL 101
Honors Physical Geology uses the pedagogical methods common to all Honors courses: interdisciplinary, writing intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified trans-disciplinary unit. This course offers an introduction to the principles of geology with emphasis on Earth processes. This course focuses on the internal structure and origin of the Earth and then processes that change and shape it. The laboratory component focuses on the identification of rocks and minerals, topographic and geologic map exercises demonstrating the work of water, wind, ice and gravity and effects of tectonic activity. Pass/No Pass Option

GEOL 001B HISTORICAL GEOLOGY
4 units
Lecture 3 units; lab 1 unit
Advisory: GEOL 001A or GEOL 001AH
Acceptable for credit: University of California, California State University
C-ID GEOL 111
Historical geology introduces theories on the origin of the earth, oceans, atmosphere, paleogeography, and life as determined in the fossil and stratigraphic rock record during the past 4.6 billion years. Subjects include the minerals and rocks, plate tectonics, geologic dating, fossils, stratigraphy, biological evolution, the origin of planet Earth, and environment of deposition of rock formations. With the background of geologic principles, the development of the North American continent is introduced in detail. Pass/No Pass Option

GEOL 012 EARTH SCIENCE WITH LAB
4 units
Lecture 3 units; lab 1 unit
Acceptable for credit: University of California, California State University
C-ID GEOL 121
This course provides an introduction to the essentials of Earth Science. The course focuses on the interactions between physical and chemical systems of the Earth, including the geosphere, atmosphere, hydrosphere, and solar system. Lecture topics include plate tectonics, rock cycle, hydrologic cycle, solar system astronomy, weather, and climate. Laboratory activities include: mineral and rock identification; plate tectonics, earthquakes, and volcanoes; groundwater, stream, and mass wasting processes; geologic time and fossils; solar system and lunar astronomy; weather and climate; and field trip studies. Pass/No Pass Option

GEOL 015 GEOLOGY OF CALIFORNIA
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID GEOL 200
Geology of California investigates the geologic development of California in space and time as shown by sedimentary, igneous, and metamorphic rocks and associated faults, folds and land forms. A background of earth science, although not required, is helpful. Pass/No Pass Option

GEOL 020 FIELD GEOLOGY
2 units
Lecture 1 unit; lab 1 unit
Acceptable for credit: California State University
This course introduces basic tools and techniques used in geologic fieldwork including pocket transit compass, air photography interpretation, and the analysis, and interpretation of geologic maps. Nine to ten days of weekend field trips are required, including a four- to six-day camping trip to complete the geologic mapping exercise. Pass/No Pass Option

GERMAN
(See World Languages)
Geospatial Technology

THE FACULTY
Christopher Cruz

DIVISION  The School of Professional Studies
DEAN  Renée Paquier
DEPARTMENT CONTACT  Chris Cruz
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Certificate:
Geospatial Technology

GEOSPATIAL TECHNOLOGY
Certificate of Achievement

The Geospatial Technology Certificate of Achievement requires the completion of 24 units of core coursework.

This course of study includes: geographic information science, global positioning systems, remote sensing, and web-based and mobile mapping services. Upon completion of the Geospatial Technology certificate, students will have a foundation in the field of geospatial technologies.

Upon completion of this certificate, students will be able to:

• Demonstrate skill in using the geospatial concepts in both a desktop and web-based environment that apply to GIS, GPS, and Remote Sensing disciplines.
• Demonstrate skills and knowledge to perform analysis both in a desktop and web-based environment that apply using GIS, GPS, and Remote Sensing.
• Apply GIS, GPS, and Remote Sensing technologies to demonstrate changes in the land and its relationship with people.

The certificate is designed for those students who have a desire to pursue a career as a GIS technician or Remote Sensing Technician.

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
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<tr>
<td>Required Core Courses: 24 units</td>
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<tr>
<td>GIST 016A</td>
<td>Introduction to Geospatial Technology</td>
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<tr>
<td>GIST 016B</td>
<td>Mobile GIS</td>
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</tr>
<tr>
<td>GIST 016C</td>
<td>Spatial Analysis for GIS</td>
<td>3</td>
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<tr>
<td>GIST 016D</td>
<td>Cartographic Design for GIS</td>
<td>3</td>
</tr>
<tr>
<td>GIST 016E</td>
<td>Database Design and Management for GIS</td>
<td>3</td>
</tr>
<tr>
<td>GIST 016G</td>
<td>Introduction to Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GIST 016I</td>
<td>GIS Programming and the Web</td>
<td>3</td>
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<tr>
<td>PMGT 020A</td>
<td>Employment Preparation</td>
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<tr>
<td>PMGT 020B</td>
<td>Internship</td>
<td>2</td>
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</tbody>
</table>

Total Certificate Units 24

For crosswalk of new subject codes, see page 61

Recommended Course Sequence:
Fall, Year 1 (12 Units):
GIST 016A, GIST 016B, GIST 016C, GIST 016I

Spring, Year 1 (9 Units):
GIST 016C, GIST 016D, GIST 016E

Fall, Year 2 (3 Units):
PMGT 020A, PMGT 020B

GIST 016A INTRODUCTION TO GEOSPATIAL TECHNOLOGY
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
C-ID GEOG 155

This course examines the theory behind Geographic Information Systems (GIS), Global Positioning Systems (GPS) and Remote Sensing and their application to spatial data. This course is designed to take an interdisciplinary approach to GIS and demonstrate its capability for analysis and decision making in diverse industries and academic disciplines. Students have the opportunity to use the most current desktop software and on-line applications to find solutions and develop methods to solve problems using spatial data.

GIST 016B MOBILE GIS
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University

This course provides students the opportunity to experience collecting field data with a location service application and incorporating that data in a mobile GIS. The use of (GPS) in conjunction with Mobile GIS software is emphasized.

GIST 016C SPATIAL ANALYSIS FOR GIS
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University

This course provides a detailed examination of spatial information systems and a survey of quantitative techniques applicable to spatial data. This course focuses on the functionality of GIS as an effective tool for modeling and analyzing complex spatial relationships. Quantitative methods are studied to include measures of central tendency, dispersion, and density. These methods are presented using empirical data.

GIST 016D CARTOGRAPHIC DESIGN FOR GIS
3 units
Lecture 3 units; lab 0 units
Advisory: GIST 016A

Applicable for credit: California State University

This course provides a comprehensive study of GIS applicable cartography including cartographic principles, data acquisition methods used in map production, and methods of base map development. This course covers the history, principles of cartography map projections, map scale, types of thematic maps and map accuracy. Techniques used in GIS base map development are introduced using hands-on exercises. This course includes the production of professional quality maps and hands-on work in computer assisted mapping projects.

GIST 016E DATABASE DESIGN AND MANAGEMENT FOR GIS
3 units
Lecture 3 units; lab 0 units
Advisory: GIST 016A

Acceptable for credit: California State University

This course examines the principles of database management and design including conversion fundamentals, modeling techniques and strategic planning. The needs, alternatives and pitfalls of database development and conversion are discussed. Various types of data applicable to GIS and their hardware and software requirements are explored along with appropriate methodology for developing a conversion plan and data quality assurance. This course includes hands-on practical exercises in database management skills.

GIST 016G INTRODUCTION TO REMOTE SENSING
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University

This course introduces the concepts of remote sensing. This includes the history and current techniques for remote sensing, the use of imagery to assess and classify land changes over time, and conduct analysis using current remote sensing software.

• PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
GIST 016I GIS PROGRAMMING AND THE WEB
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
This course focuses on GIS programming for the web and the use of Python programming. Students have the opportunity to apply the principles of web-based programming for GIS applications. The course also explores how Python programming adds functionality to GIS mapping software.

Health Care Technologies

FACULTY
Kris Gaiero
Faraneh Javan

DIVISION Health and Human Development
DEAN John Vlahos
DEPARTMENT CHAIR Kris Gaiero
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COUNSELING 408-741-4068

Degree:
A.S., Medical Assistant

Certificates:
Clinical Assistant
Insurance Billing Specialist
Medical Administrative Assistant
Medical Assistant
Medical Office Receptionist
Orthopedic Technician

MEDICAL ASSISTANT CAREER OPTIONS
• ECG Technician
• Insurance Billing and Coding
• Insurance Account Representative
• Medical Administrative Assistant
• Medical Reception
• Medical Office Manager

CLINICAL ASSISTANT CAREER OPTIONS
• Clinical Assistant

INSURANCE BILLING SPECIALIST CAREER OPTIONS
• Insurance Biller
• Medical File Clerk
• Medical Records Technician, entry-level
• Patient Account Representative
• Medical Secretary
• Medical Administrative Assistant
• Medical Office Management

MEDICAL ADMINISTRATIVE ASSISTANT CAREER OPTIONS
• Medical Office Management
• Medical File Clerk
• Medical Records Technician, entry-level
• Medical Secretary
• Admitting Clerk
• Hospital Unit Coordinator

MEDICAL OFFICE RECEPTIONIST CAREER OPTIONS
• Medical Office Receptionist

ORTHOPEDIC TECHNICIAN CAREER OPTIONS
• Orthopedic Technician

COURSE SUBSTITUTION AND WAIVERS
Course substitution and waivers are approved by the department upon review of transcripts, course description, and evidence of proficiency in the subject matter.

ADVISORY is a recommended preparation, NOT a REQUIREMENT.
This catalog is subject to change and may be incomplete. Please consult the addenda at westvalley.edu/catalog/
**MEDICAL ASSISTANT**

**A.S. Degree**

The Medical Assistant Associate of Science Degree Program prepares students to work in the front and back office of a physician's office, clinic or other out-patient facilities. Multiple skills and areas of theory are taught to prepare graduates to assume an important and valuable role as a team member in health care delivery.

Upon completion of all required courses, students are assisted with the placement of an internship in a local health care facility. This is a valuable experience in applying the knowledge and skills acquired in class to the workplace.

Required prior to entry into an internship:
- Health statement and physical examination
- Current CPR certificate
- Keyboarding proficiency of at least 35 wpm
- Basic word processing skills
- Completion of all required courses with a grade of C or better
- Many facilities are requiring background checks and drug testing prior to entry.

After completing a Medical Assistant A.S. degree, a student will be able to:
1. Demonstrate the ability to assist medical care providers in delivering patient care.
2. Demonstrate the ability to manage medical front office tasks and responsibilities.
3. Demonstrate the ability to access and input patient information using electronic medical records systems.

### Course ID | Title | Units
--- | --- | ---
HTCH 001 | Introduction to Health Care | 1
HTCH 002 | Medical Information Processing | 2
HTCH 004 | Structure and Function of the Human Body | 3
HTCH 005 | Basic Medical Terminology | 3
HTCH 006 | Advanced Medical Terminology | 3
HTCH 007 | Medical Ethics & Law | 2
HTCH 008 | Communication for Health Care Personnel | 2
HTCH 041 | Medical Office Business Procedures | 3
HTCH 042 | Insurance Billing and Coding | 2
HTCH 043 | Basic Medical Accounting and Record | 3
HTCH 044 | Electronic Medical Records | 2
HTCH 055 | Vital Signs and Assisting with Medical Examinations | 2
HTCH 057 | Sterile Techniques | 2.5
HTCH 058 | Laboratory Techniques | 3
HTCH 063 | Medication Administration | 1.5
HTCH 064 | ECG and Orthopedic Technology | 2.5
HSCI 003 | CPR / AED - Basic Life Support for Professionals and Providers | 0.5
HTCH 054A | Internship for Health Care Technologies | 2

**Recommended Course Sequence:**

**Fall, Year 1 (9 Units):**
HTCH 001, HTCH 004, HTCH 005, HTCH 055

**Spring, Year 1 (9 Units):**
HTCH 006, HTCH 007, HTCH 008, HTCH 044

**Fall, Year 2 (9 Units):**
HSCI 003, HTCH 002, HTCH 042, HTCH 063

**Spring, Year 2 (13 Units):**
HTCH 043, HTCH 054A, HTCH 057, HTCH 058, HTCH 064

**Summer, Year 2 (2 Units):**
HTCH 054A

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**CLINICAL ASSISTANT**

**Certificate of Achievement**

The Clinical Assistant program is designed for those who are interested in working in a back office setting in a clinic or out-patient facility. Duties would include obtaining/recording patient's height, weight, temperature, and blood pressure, obtaining health histories, performing basic lab tests, preparing/assisting with patient examinations, recording EKG and sterilizing surgical instruments.

The program also includes instruction in medical law and ethics, interpersonal communication, patient care, appointment scheduling, telephone technique, and electronic medical records management.

Upon completion of the required courses (34.5 units), students are assisted with the placement of an internship in a local health care facility. Background checks and drug testing are now required prior to entry.

Possible career pathways include: Clinical Medical Assistant, EKG Technician, Emergency Department Technician, and Orthopedic Technician (if an additional 240-hour internship in Orthopedics is completed.)

After completing a Clinical Assistant certificate, a student will be able to:
1. Demonstrate the ability to perform basic medical front office responsibilities.
2. Demonstrate the ability to assist medical care providers in delivering patient care.
3. Demonstrate the ability to access and input patient information using electronic medical records systems.

### Course ID | Title | Units
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HTCH 001 | Introduction to Health Care | 1
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HTCH 004 | Structure and Function of the Human Body | 3
HTCH 005 | Basic Medical Terminology | 3
HTCH 006 | Advanced Medical Terminology | 3
HTCH 007 | Medical Ethics & Law | 2
HTCH 008 | Communication for Health Care Personnel | 2
HTCH 041 | Medical Office Business Procedures | 3
HTCH 042 | Insurance Billing and Coding | 2
HTCH 043 | Basic Medical Accounting and Record | 3
HTCH 044 | Electronic Medical Records | 2
HTCH 055 | Vital Signs and Assisting with Medical Examinations | 2
HTCH 057 | Sterile Techniques | 2.5
HTCH 058 | Laboratory Techniques | 3
HTCH 063 | Medication Administration | 1.5
HTCH 064 | ECG and Orthopedic Technology | 2.5
HSCI 003 | CPR / AED - Basic Life Support for Professionals and Providers | 0.5
HTCH 054A | Internship for Health Care Technologies | 2

**Total Major Units** 42

**Total Degree Units** 64

To be awarded an A.S. Degree, a student must complete:
1. Achieve a grade of "C" or better in the major requirements.
2. Additional units to meet the college graduation requirements.

For crosswalk of new subject codes, see page 61.

- **PREREQUISITES AND COREQUISITES** are MANDATORY. See page 5 for specific information.
- **Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.**
Certificate of Achievement

The Insurance Billing Specialist program is designed to train students to receive medical claim forms, abstract medical information such as diagnosis, prognosis, and dates of treatment from patient records, complete forms, and answer inquiries from doctors, patients, and insurance companies. Billing specialists must have knowledge of medical terminology, diagnostic and procedural coding, as well as the legal requirements for release of medical information.

Upon completion of all required courses, students are placed in an internship in a local health care facility. This is a valuable experience in applying the knowledge and skill acquired in class to the workplace.

A Statement of Eligibility for Internship, a health statement, and physical examination, a current CPR certificate, keyboarding proficiency, basic word processing skills, and completion of all required courses with a grade of "C" or better are required prior to entry into an internship (HTCH 54A).

Upon completion of this program a student should be able to:

- Describe and identify the ways that medical insurance billers help ensure the financial success of physician practices and ambulatory settings.
- Demonstrate the skills and knowledge needed to work with diagnostic and procedural coding systems.
- Demonstrate the skills and knowledge needed to complete and submit a professional claim on behalf of medical providers.
- Demonstrate the knowledge to work as a liaison between the doctor and insurance companies.

Upon completion of the certificate, students are prepared to pursue the following career options:

- Insurance Biller
- Medical File Clerk
- Patient Account Representative
- Medical Receptionist
- Medical Administrative Assistant
- Medical Office Management.

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<td>HTCH 043</td>
<td>Basic Medical Accounting and Record</td>
<td>3</td>
</tr>
<tr>
<td>HTCH 054A</td>
<td>Internship for Health Care Technologies</td>
<td>2</td>
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</table>

Recommended Electives:

- HTCH 044 Electronic Medical Records 2

Total Certificate Units: 34.5

For crosswalk of new subject codes, see page 61

Recommended Course Sequence:

**Fall, Year 1 (11 Units):**
HTCH 001, HTCH 002, HTCH 004, HTCH 005, HTCH 055

**Spring, Year 1 (15 Units):**
HTCH 006, HTCH 007, HTCH 008, HTCH 057, HTCH 058, HTCH 064

**Fall, Year 2 (6.5 Units):**
HTCH 041, HTCH 044, HTCH 063

**Summer, Year 2 (2 Units):**
HTCH 054A

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MEDICAL ADMINISTRATIVE ASSISTANT

Certificate of Achievement

The Medical Administrative Assistant program focuses on the many and varied administrative functions of the medical office including personnel supervision, credit and collection procedures, and the management of time and resources.

Upon completion of all required courses (25.5 units), students are assisted with placement in an internship in a local health care facility. This is a valuable experience in applying the knowledge and skills acquired in class to the workplace.

Program Requirements

The following are required prior to entry into the internship:
- Statement of Eligibility for internship
- Health Statement and physical examination
- Current CPR certificate
- Keyboarding proficiency of 35 wpm
- Basic word processing skills

Completion of all required courses with a grade of C or better prior to entry into internship HTCH 054A.

Upon completion of this program a student should be able to:

- Demonstrate ability to manage medical front office tasks and responsibilities.
- Demonstrate ability to access and input patient information using electronic medical record systems.
- Demonstrate knowledge of the ways that medical administrative assistants help ensure the financial success of physician practices.

Upon completion of the certificate, students are prepared to pursue the following career options:

- Medical Office Management
- Medical Administrative Assistant
- Medical File Clerk
- Medical Receptionist.

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTCH 001</td>
<td>Introduction to Health Care</td>
<td>1</td>
</tr>
<tr>
<td>HTCH 002</td>
<td>Medical Information Processing</td>
<td>2</td>
</tr>
<tr>
<td>HTCH 005</td>
<td>Basic Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>HTCH 006</td>
<td>Advanced Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>HTCH 007</td>
<td>Medical Ethics &amp; Law</td>
<td>2</td>
</tr>
<tr>
<td>HTCH 008</td>
<td>Communication for Health Care Personnel</td>
<td>2</td>
</tr>
<tr>
<td>HTCH 041</td>
<td>Medical Office Business Procedures</td>
<td>3</td>
</tr>
<tr>
<td>HTCH 042</td>
<td>Insurance Billing and Coding</td>
<td>2</td>
</tr>
</tbody>
</table>

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• ADVISORY is a recommended preparation, NOT a REQUIREMENT.
• This catalog is subject to change and may be incomplete. Please consult the addenda at westvalley.edu/catalog/
Required Core Courses: 42 units. HTCH 054A is required to be taken two times to acquire 4 units of occupational work experience.

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTCH 001</td>
<td>Introduction to Health Care</td>
<td>1</td>
</tr>
<tr>
<td>HTCH 002</td>
<td>Medical Information Processing</td>
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<tr>
<td>HTCH 004</td>
<td>Structure and Function of the Human Body</td>
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</table>

Total Certificate Units 25.5
For crosswalk of new subject codes, see page 61

Recommended Course Sequence:

Fall, Year 1 (11 Units):
- HTCH 001, HTCH 002, HTCH 005, HTCH 041, HTCH 042

Spring, Year 1 (12.5 Units):
- HSCI 003, HTCH 006, HTCH 007, HTCH 008, HTCH 043, HTCH 044

Summer, Year 1 (2 Units)
- HTCH 054A

MEDICAL ASSISTANT Certificate of Achievement

The Medical Assistant Program prepares students to work in the front and back office of a physician’s office, clinic or other out-patient facilities. Multiple skills and areas of theory are taught so that graduates are prepared to assume an important and valuable role as a team member in health care delivery.

Upon completion of the Medical Assistant Certificate, students will be able to:

1. Demonstrate the ability to manage medical front office tasks and responsibilities.
2. Demonstrate the ability to access and input patient information using electronic medical records systems.
3. Demonstrate the ability to assist medical care providers in delivering patient care.

Upon completion of all required courses, students are assisted with the placement of an internship in a local health care facility. This is a valuable experience in applying the knowledge and skills acquired in class to the workplace.

Required prior to entry into an internship:
- A Statement of Eligibility for internship
- Health statement and physical examination
- Current CPR certificate
- Keyboarding proficiency of at least 35 wpm
- Basic word processing skills
- Completion of all required courses with a grade of C or better
- Many facilities are requiring background checks and drug testing prior to entry (HTCH 54A is required.)
- Career Paths Include:
  - ECG Technician
  - Insurance billing and coding
  - Insurance Account Representative
  - Medical Administrative Assistant
  - Medical Reception
  - Medical Office Manager

Total Certificate Units 42
For crosswalk of new subject codes, see page 61

Recommended Course Sequence:

Fall, Year 1 (9 Units):
- HTCH 001, HTCH 004, HTCH 005, HTCH 055

Spring, Year 1 (9 Units):
- HTCH 006, HTCH 007, HTCH 008, HTCH 044

Fall, Year 2 (9 Units):
- HSCI 003, HTCH 002, HTCH 041, HTCH 042, HTCH 063

Spring, Year 2 (13 Units):
- HTCH 043, HTCH 054A, HTCH 057, HTCH 058, HTCH 064

Summer, Year 2 (2 Units):
- HTCH 054A

MEDICAL OFFICE RECEPTIONIST Certificate of Achievement

The Medical Office Reception program is designed to provide the student with the knowledge and skills needed to manage the front desk in a medical office or similar setting, including telephone technique, public relations, and medical records management.

Upon completion of all required courses, students are placed in an internship in a local health care facility. This is a valuable experience in applying the knowledge and skill acquired in class to the workplace.

A Statement of Eligibility for Internship must include a health statement and physical examination, and completion of all required courses with a grade of C or better.

Upon completion of this program a student should be able to:

- Demonstrate the skills and knowledge needed to perform front desk procedures, including phone communication, scheduling and records management.
- Demonstrate strong written and oral communication skills

Upon completion of the certificate, students are prepared to pursue the following career options:
- Medical File Clerk
- Medical Receptionist
**ORTHOPEDIC TECHNICIAN**

**Certificate of Achievement**

Students earning the Orthopedic Technician Certificate may be qualified to assist orthopedic surgeons in the care of patients with injuries or diseases of the musculoskeletal system.

Through the major required courses, students acquire the skills to apply and remove plaster and synthetic casts, assist others to safely use walking aids such as canes, walkers, and crutches, fit and adjust equipment as necessary, and set up and make adjustments to certain types of traction under the guidance of a physician. Under the guidance of a surgeon, Orthopedic Technicians fabricate splints and manage other simple medical technology, including braces.

After completing the required courses, there is a 240 hour internship. Students must have CPR certification and undergo background checks and drug screening before completing their internship.

While certification isn’t required in order to work as an orthopedic technician, earning a professional credential can lead to additional career opportunities. The National Board for Certification of Orthopedic Technologists, Inc. offers Orthopedic Technologist Certified (OTC) and Orthopedic Technologist-Surgery Certified (OT-SC) credentials. Prior to enrolling in this program, it is recommended that students have experience working as a medical assistant or have completed the Clinical Assistant program requirements as this program builds upon those skills and knowledge base.

Possible employment settings for students earning the Orthopedic Technician Certificate of Achievement include:

- hospitals
- large medical clinics
- orthopedic practices
- skilled nursing facilities

After completing the Orthopedic Technician certificate, a student will be able to:

- Apply and remove plaster and fiberglass casts;
- Assist patients with the safe use of walking aids such as canes, crutches and walkers;
- Fit and adjust orthopedic traction equipment and braces under the guidance of a physician;
- Fabricate and apply splints as directed by the physician.

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### Course ID | Title | Units
--- | --- | ---
**Required Core Courses: 15 units**

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
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<tr>
<td>HTCH 001</td>
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<tr>
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<td>HTCH 005</td>
<td>Basic Medical Terminology</td>
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<td>HTCH 007</td>
<td>Medical Ethics &amp; Law</td>
<td>2</td>
</tr>
<tr>
<td>HTCH 008</td>
<td>Communication for Health Care Personnel</td>
<td>2</td>
</tr>
<tr>
<td>HTCH 041</td>
<td>Medical Office Business Procedures</td>
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<tr>
<td>HTCH 054A</td>
<td>Internship for Health Care Technologies</td>
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**Total Certificate Units**

15

For crosswalk of new subject codes, see page 61

**Recommended Course Sequence:**

**Fall, Year 1 (13 Units):**

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<th>Title</th>
<th>Units</th>
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<td>Medical Office Business Procedures</td>
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<tr>
<td>HTCH 054A</td>
<td>Internship for Health Care Technologies</td>
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**Spring, Year 1 (2 Units):**

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<tbody>
<tr>
<td>HTCH 054A</td>
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**Internship course must be taken twice: 2 units**

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<th>Course ID</th>
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<th>Units</th>
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<tr>
<td>HTCH 054A</td>
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**Total Certificate Units**

17

**NOTE:** A grade of C or better must be earned for all certificate programs. For crosswalk of new subject codes, see page 61

**Recommended Course Sequence:**

**Fall, Year 1 (8 Units):**

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<td>HTCH 006</td>
<td>Advanced Medical Terminology</td>
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<tr>
<td>HTCH 055</td>
<td>Vital Signs and Charting</td>
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<tr>
<td>HTCH 057</td>
<td>Sterile Techniques</td>
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<tr>
<td>HTCH 064</td>
<td>Ecg and Ortho Tech</td>
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**Spring, Year 1 (7 Units):**

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<td>HTCH 054A</td>
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<td>2</td>
</tr>
<tr>
<td>HTCH 057</td>
<td>Sterile Techniques</td>
<td>2.5</td>
</tr>
<tr>
<td>HTCH 064</td>
<td>Ecg and Ortho Tech</td>
<td>2.5</td>
</tr>
</tbody>
</table>

**Summer, Year 1 (2 Units):**

<table>
<thead>
<tr>
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<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>HTCH 054A</td>
<td>Internship</td>
<td>2</td>
</tr>
</tbody>
</table>

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**HTCH 001 INTRODUCTION TO HEALTH CARE**

1 unit

Lecture 1 unit; lab 0 units

This course is a survey of the health care delivery system and the development of health care ancillary fields. It is recommended that students take this during their first semester in the Health Care Technologies Department. Pass/No Pass Option

**HTCH 002 MEDICAL INFORMATION PROCESSING**

2 units

Lecture 1 unit; lab 1 unit

In this course, students have the opportunity to receive instruction in medical information processing. The areas covered are applications and use of medical terminology, abbreviations, symbols, numbers and appropriate formats in medical communications such as medical chart notes, history and physicals, consultations and operative reports.

**HTCH 004 STRUCTURE AND FUNCTION OF THE HUMAN BODY**

3 units

Lecture 2.5 units; lab 0.5 units

Acceptable for credit: California State University

This course is designed specifically for, but not limited to, students in the Health Care Technology programs. The students have the opportunity to learn the basic anatomical and physiological components associated with each body system.

**HTCH 005 BASIC MEDICAL TERMINOLOGY**

3 units

Lecture 3 units; lab 0 unit

Acceptable for credit: California State University

This course provides a basic understanding of word parts, including root words, prefixes and suffixes, and how they are combined to form medical terms. Emphasis is on how medical terms relate to the major organ systems in the body, and related medical specialties and pathologies with intensive practice in vocabulary building, pronunciation and usage. Pass/No Pass Option

**HTCH 006 ADVANCED MEDICAL TERMINOLOGY**

3 units

Lecture 3 units; lab 0 units

Prerequisite: HTCH 005

Acceptable for credit: California State University

This course provides an introduction to the nature of diseases and terms of the clinical procedures, laboratory tests, and abbreviations connected with them. Students have the opportunity to explore the terminology related to anatomy and physiology of the body systems. Pass/No Pass Option

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HTCH 007 Medical Ethics and Law
2 units
Lecture 2 units; lab 0 units
Acceptable for credit: California State University
This course covers medical ethics and law in the Health Care Profession. The areas covered are: bioethical issues, medical practice acts, legal relationships and responsibilities, invasions of privacy, medical professional liability, the litigation process, avoiding unjustified malpractice/negligence claims, and the exploration of relevant current issues.

HTCH 008 Communication for Health Care Personnel
2 units
Lecture 2 units; lab 0 units
This course provides instruction for the health care provider in the area of team membership. Styles of communication, human needs, individual differences, and cultural biases are examined. The behavior, needs, and methods of communication required by different groups of patients (children, youths, elderly as well as those suffering from violence, homelessness, life altering illness or injury, chemical dependency, anger or depression, and those who are dying) are represented.

HTCH 041 Medical Office Business Procedures
3 units
Lecture 2 units; lab 1 unit
Advisory: HTCH 005
Acceptable for credit: California State University
This course provides instruction and practical application of administrative procedures in a medical office. These procedures include management of appointment schedules, telephone communications, medical record management, credit and collections, accounts receivable, accounts payable, personnel selection, training and supervision, and payroll record keeping.

HTCH 042 Insurance Billing and Coding
2 units
Lecture 1 unit; lab 1 unit
Advisory: HTCH 005
This course covers the theory and practice: of ICD-10-CM (diagnostic) and CPT (procedural) coding; billing of private and government health insurance programs for the medical office. Pass/No Pass Option
HTCH 043 BASIC MEDICAL ACCOUNTING AND RECORD KEEPING
3 units
Lecture 2.5 units; lab 0.5 units
Prerequisite: HTCH 042
Acceptable for credit: California State University
This course includes a review of basic mathematical principles of decimals, fractions and percentages as they apply to the business office (discounts, commission, markup, depreciation, simple and compound interest). Other topics include: instruction in medical office financial records control; cash control, office record keeping, payroll accounting, and the application of concepts and procedures of office record keeping through the use of a practice set or computer program. Pass/No Pass Option

HTCH 044 ELECTRONIC MEDICAL RECORDS
2 units
Lecture 1 unit; lab 1 unit
Prerequisite: HTCH 005
Advisory: HTCH 041
Acceptable for credit: California State University
This course covers instruction on Electronic Medical Records (EMR). Students have the opportunity to work hands on with the front office aspects of an EMR, such as scheduling, communicating with patients, referrals, telephone encounters, web encounters, using alerts, and using the interoffice messaging. Students have the opportunity to develop progress notes, templates, flow sheets, smart forms and order sets using features in the an EMR environment. Pass/No Pass Option

HTCH 054A INTERNSHIP FOR HEALTH CARE TECHNOLOGIES
2 units
Work Experience Units: 2
*See p. 182
Prerequisites:
Medical Assistant Certificate/AS; Clinical Assistant Certificate: Prerequisites: HTCH 006 & HTCH 055 & HTCH 057 & HTCH 058 & HTCH 063 & HTCH 064.
Orthopedic Technician Certificate: Prerequisites: HTCH 006 & HTCH 055 & HTCH 057 & HTCH 064.
Medical Administrative Assistant Certificate: Prerequisites: HTCH 006 & HTCH 041 & HTCH 042 & HTCH 043 & HTCH 044.
Insurance Billing Specialist: Prerequisites: HTCH 006 & HTCH 041 & HTCH 042 & HTCH 043 & HTCH 044.
Medical Office Receptionist: Prerequisites: HTCH 002 & HTCH 005 & HTCH 041.
This internship course provides students with the opportunity to acquire practical experience, under supervision, in a physician’s office or clinic with critique. Pass/No Pass Only

HTCH 055 VITAL SIGNS AND ASSISTING WITH MEDICAL EXAMINATIONS
2 units
Lecture 1 unit; lab 1 unit
Advisory: HTCH 005
This course covers the duties and responsibilities of the clinical area of a medical office. Topics include equipment and supplies control; medical asepsis; assisting with physical examinations (positioning, height, weight, and vision screening); vital signs determination (temperature, pulse, respiration and blood pressure); and pharmacology. Pass/No Pass Option

HTCH 057 STERILE TECHNIQUES
2.5 units
Lecture 2 units; lab 0.5 units
Advisory: HTCH 005
This course provides students with the opportunity to learn the theory and practice of sterilization and sterile technique. Students also have the opportunity to learn about assisting with examinations, procedures, and minor office surgeries. Relevant instruction in basic nutrition and diet therapy are taught.

HTCH 058 LABORATORY TECHNIQUES
3 units
Lecture 2 units; lab 1 unit
This course is designed to develop the students’ knowledge and understanding of basic laboratory tests that may be done in a Medical Office or sent to a reference laboratory. Other topics include specimen collection, analytical techniques, and interpretation of normal and abnormal test results. Pass/No Pass Option

HTCH 063 MEDICATION ADMINISTRATION
1.5 units
Lecture 1 unit; lab 0.5 units
Advisory: HTCH 005
Acceptable for credit: California State University
This course covers the theory and practice of administration of parenteral medications including site selection, safety factors, and techniques, as well as medication dosage calculations (medication math). Pass/No Pass Option

HTCH 064 ECG AND ORTHOPEDIC TECHNOLOGY
2.5 units
Lecture 1.5 units; lab 1 unit
This course covers the didactic and practical skills necessary to perform 12-lead electrocardiograms (ECGs) and provide care for orthopedic patients in acute and clinical settings. In addition, this course introduces medical office first aid procedures and basic physical therapy modalities. Pass/No Pass Option

• ADVISORY is a recommended preparation, NOT a REQUIREMENT.
• This catalog is subject to change and may be incomplete. Please consult the addenda at westvalley.edu/catalog
Health Science

THE FACULTY
Patricia Louderback
Paul Starks

DIVISION Health and Human Development
DEAN John Vahos
DEPARTMENT CHAIR Kris Gaiero
PHONE 408-741-4019
EMAIL kris.gaiero@westvalley.edu
COUNSELING 408-741-2009

Degree:
A.S.-T, Public Health Science

The Health Science classes are interdisciplinary in nature and students will gain an understanding of the biopsychosocial basis of health to develop the knowledge, skills and modes of critical inquiry necessary to recognize the factors that impact health on an individual level, community level, and public level.

The Health Science Department supports the mission of the college by preparing students along their pathways to reach degree, transfer, and career goals in an environment of academic excellence.

For transfer information see assist.org and/or consult with a counselor.

Learning Outcomes
After completing courses in Health Science, a student will be able to:
- Apply a multidimensional approach to health that incorporates the study of social, behavioral, and physiological sciences.
- Identify and compare risk factors for disease and disability as well as factors that contribute to health disparities.
- Critically evaluate popular and scientific literature and other media for its significance and impact on individual, community, and public health.

ASSOCIATE IN SCIENCE IN PUBLIC HEALTH SCIENCE FOR TRANSFER DEGREE
(A.S.-T in Public Health Science)

Public Health is a dynamic field that provides career opportunities in a wide variety of settings including federal, state, and local health agencies, community health departments, healthcare organizations, hospitals, allied health providers, HMO’s, research organizations, crisis agencies, educational institutions, and many other areas.

The Public Health Science for Transfer degree (A.S.-T in Public Health Science) is designed to prepare students for related programs at the bachelor’s degree level and provides comprehensive preparation for upper-division work in health-related majors. Students will be able to apply a multidimensional approach to health that incorporates the study of social, behavioral, and physiological sciences. Additionally, the degree provides an introduction to various career pathways within this field.

Public Health Science includes the science of protecting and improving the health of people and their communities. It bridges the gap between scientific discoveries and the application of research in the community to improve the quality of life. The degree is interdisciplinary in nature and students will gain an understanding of the biopsychosocial basis for health and healthy populations. Public health professionals work to track disease outbreaks, reduce health disparities, advocate for healthcare equity and accessibility, and shed light on why some of us are more likely to suffer from poor health than others. Public health professionals also work to prevent problems from happening or recurring through implementing educational programs, recommending policies, administering services and conducting research.

The Associate in Science in Public Health Science for Transfer degree (A.S.-T in Public Health Science) is a 60-unit program which provides students the lower division coursework required for transfer to a CSU institution for the major in Health Science, Health Science with Health Education option, Health Science with Public Health option, Health Science with Community Health option, Health Science with Health Promotion and Disease Prevention, Health Education, Public Health, Public Health Promotion, Kinesiology with Health Education, Kinesiology with Health Science option, Kinesiology with Health and Wellness Promotion, Kinesiology with Health Promotion and Disease Prevention, Collaborative Health and Human Services with Community Health option, and majors in related fields in pursuit of a baccalaureate degree.

After successful completion of this program students will be able to:
- Apply a multidimensional approach to health that incorporates the study of social, behavioral, and physiological sciences.
- Identify, compare and contrast the factors that contribute to public health disparities.
- Identify risk factors for disease and disability.
- Critically evaluate popular and scientific literature and other media for its significance and impact on individual and public health.

Students must complete the following requirements:
- 60 semester or 90 quarter CSU-transferable units
- the California State University-General Education-Breadth pattern (CSU GE-Breadth), OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district.
- obtainment of a minimum grade point average (GPA) of 2.0.
- earn a grade of C or better in all courses required for the major or area of emphasis.

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<thead>
<tr>
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<th>Title</th>
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<td>HSCI 008</td>
<td>Contemporary Health</td>
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<td>HSCI 014</td>
<td>Concepts of Public Health and Society</td>
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<td>MATH 010</td>
<td>Elementary Statistics</td>
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<td>Honors Elementary Statistics</td>
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<tr>
<td>BIOL 010</td>
<td>Introduction to Biology</td>
<td>3</td>
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<td>CHEM 002</td>
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<td>Human Anatomy</td>
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<td>BIOL 048</td>
<td>Human Physiology</td>
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<td>NUTR 015</td>
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<td>HSCI 010</td>
<td>Human Sexuality</td>
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<tr>
<td>BIOL 045</td>
<td>Microbiology</td>
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Total Major Units 34-37
GE Units (CSU GE or IGETC) 39 or 37
Total Degree Units 60

For crosswalk of new subject codes, see page 61

Recommended Course Sequence:
Fall, Year 1 (11 Units):
BIOL 010 and 010L, HSCI 008, MATH 010 or 010H
Spring, Year 1 (10-11 units):
HSCI 014, PSYC 001, CHEM 001A or 002
Fall, Year 2 (8-10 units): BIOL 047, Any Course from List A
Spring, Year 2 (5 units): BIOL 048

- PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
- Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
HSCI 003 CPR / AED - BASIC LIFE SUPPORT FOR PROFESSIONALS AND PROVIDERS
0.5 units
Lecture 0.5 units; lab 0 units
Acceptable for credit: California State University
This course is designed for individuals with a professional duty to respond to emergencies, including healthcare professionals and other personnel in a wide variety of in-facility and prehospital settings. The course focuses on the cardiac chain of survival, and how to recognize and respond to cardiac and respiratory emergencies for the adult, child, and infant. Additional topics include the principles and application of one and two person CPR and the Automated External Defibrillator, the Bag-Value-Mask, victim and rescuer safety, the prevention of disease transmission, and team dynamics. Successful completion leads to certification in "Basic Life Support for Providers" of the American Heart Association. Pass/No Pass Only

HSCI 004 FIRST AID AND CPR/AED
0.5 units
Lecture 0.5 units; lab 0 units
Acceptable for credit: California State University
This standard First Aid and CPR/AED course prepares individuals to respond to life-threatening emergencies, injuries, and sudden illness. This course covers CPR for adults, children, and infants, the use of AEDs (automated external defibrillators), and basic first aid. Scenarios are provided to facilitate discussion, analysis, and application of appropriate care in first aid emergencies.

HSCI 005 RESPONDING TO EMERGENCIES: COMPREHENSIVE FIRST AID/CPR/AED
2 units
Lecture 2 units; lab 0 units
Acceptable for credit: University of California, California State University
This course covers the principles and applications of comprehensive First Aid and safety to correctly respond during an emergency. Comprehensive First Aid instruction includes techniques to help sustain life, reduce pain, and minimize the consequences of injury or sudden illness until advanced medical help arrives. In addition, this course includes instruction in advanced Cardiopulmonary Resuscitation (CPR) for the adult, child, and infant, along with use of the Automated External Defibrillation (AED). Successful completion leads to the American Red Cross certification in "Responding to Emergencies: Comprehensive First Aid / CPR / AED." Pass/No Pass Option

HSCI 008 CONTEMPORARY HEALTH
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID PHS 100
This course examines concepts of health from multiple perspectives and considers the biological, psychological, and sociological aspects of health in our contemporary world. Topics include, but are not limited to stress, nutrition, weight management, alcohol, tobacco, drugs, sexual health, exercise, psychological health, chronic disease, minority health, aging and dying. We also consider current world and public health events, cultural differences, and other significant contributions to the study of health. Pass/No Pass Option

HSCI 010 HUMAN SEXUALITY
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID PSY 130
This course surveys Human Sexuality using a multifaceted approach that includes the biological, psychological, historical, and sociological perspectives. Topics may include sexual attitude and values, the physiology of human sexual response, structure and function of sexual structures, sexual dysfunction, sexual orientation, gender identity and roles, relationships, sexual variation, reproduction, contraception, and sexual decision-making. Legal issues are addressed as well as the major contributors of sexual research. Pass/No Pass Option

HSCI 012 UNDERSTANDING STRESS - A MULTIDISCIPLINARY PERSPECTIVE
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID PHS 101
The course provides an introduction to an interdisciplinary approach to factors that influence health and disease. Topics include an analysis of the social determinants of health, health disparities among various populations and strategies for eliminating illness and disease. In addition, students will be introduced to the epidemiology of infectious and chronic disease, the prevention and control of diseases in the community, and the history and accomplishments of public health. Pass/No Pass Option
History

THE FACULTY
Stephen Juarez
Tim Kelly
Melvin Fritchard

DEPARTMENT CHAIR
Jose Bautista

PHONE
408-741-2492

EMAIL
jose.bautista@westvalley.edu

COUNSELING
408-741-2009

Degrees:
A.A.-T, History
A.A., History

The study of history provides students with a descriptive overview and critical consideration of the development of the several civilizations included among the course offerings.

Career Options
• Archivist
• Business Person
• Government Service
• Journalist
• Lawyer
• Librarian
• Museum Curator
• News Analyst, Reporter, Correspondent
• Researcher
• Social Scientist
• Teacher
• Writer

HISTORY: For transfer information see assist.org and/or consult with a counselor.

ASSOCIATE IN ARTS IN HISTORY FOR TRANSFER DEGREE (AA-T in History)

The Associate in Arts in History for Transfer degree (AA-T in History) is a 60 unit program designed to provide lower division education to students planning to transfer to a CSU institution in pursuit of a baccalaureate degree in History. Students who complete the Associate in Arts in History for Transfer degree (AA-T in History) will be able to:
• describe how the social, political, intellectual and economic systems of a particular society change over time and analyze how the interplay of multiple factors in a society including intellectual, economic, demographic, and cultural variables resulted in particular historical outcomes.

Students must complete the following requirements:
• 60 semester or 90 quarter CSU-transferable units
• the California State University-General Education-Breadth pattern (CSU GE-Breadth), OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
• a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district.
• obtainment of a minimum grade point average (GPA) of 2.0.
• earn a grade of C or better in all courses required for the major or area of emphasis.

Students are not required to complete the information competency requirements, PE requirements or cultural diversity requirements found in other degrees at the College.

After completing an A.A.-T in History, a student will be able to:
• Describe how the social, political, intellectual and economic systems of a particular society change over time and analyze how the interplay of multiple factors in a society including intellectual, economic, demographic, and cultural variables resulted in particular historical outcomes.

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>HIST 017A</td>
<td>United States History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 017B</td>
<td>United States History</td>
<td>3</td>
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<tr>
<td>HIST 017BH</td>
<td>Honors United States History</td>
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List A: Select two: 6 units

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
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<tbody>
<tr>
<td>HIST 005A</td>
<td>World History: Prehistory to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 004A</td>
<td>Western Civilization I: Prehistory to 1500 CE</td>
<td>3</td>
</tr>
<tr>
<td>HIST 005B</td>
<td>World History From 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 004B</td>
<td>Western Civilization II: 1500 CE to Present</td>
<td>3</td>
</tr>
</tbody>
</table>

List B: Select one course from Group 1: 3 units

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 005A</td>
<td>World History: Prehistory to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 005B</td>
<td>World History From 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 020</td>
<td>History and Geography of California</td>
<td>3</td>
</tr>
<tr>
<td>HIST 012</td>
<td>African American History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 014</td>
<td>History of the Native North Americans</td>
<td>3</td>
</tr>
<tr>
<td>HIST 016</td>
<td>Mexican-American History</td>
<td>3</td>
</tr>
</tbody>
</table>

List B: Select one course from Group 2: 3-4 units

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 002</td>
<td>Introduction to Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 003</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>POLI 001</td>
<td>American Government</td>
<td>3</td>
</tr>
<tr>
<td>POLI 001H</td>
<td>Honors American Government</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 001</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 001</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>WGQS 001</td>
<td>Introduction to Women’s Studies</td>
<td>4</td>
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<tr>
<td>WGQS 003</td>
<td>Introduction to Gender Studies</td>
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</tr>
</tbody>
</table>

Total Units 18 - 19

GE Units (CSU GE or IGETC) 39 or 37

Total Degree Units 60

CSU transferable electives are required when the major units plus transfer GE units total is less than 60.

For crosswalk of new subject codes, see page 61

Recommended Course Sequence:

Fall, Year 1 (6 Units):
HIST 017A, HIST 017B

Spring, Year 1 (6 Units):
6 Units from List A

Fall, Year 2 (3-4 Units):
Group 2 Course

Spring, Year 2 (3 Units)
Group 1 Course

• PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.

• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
HISTORY
A.A. Degree

The Associate of Arts in History is designed to provide foundational knowledge of western civilization, United States History, and history of diverse groups and to prepare students to transfer to a baccalaureate program in History. After completing A.A. degree in history a student should be able to:

• Describe how the social, political, intellectual, and economic systems of a particular society change overtime.
• Analyze the interplay of multiple factors in a society including intellectual, economic, demographic and cultural variables resulted in particular historical outcomes.

<table>
<thead>
<tr>
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<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 004A</td>
<td>Western Civilization I: Prehistory to 1500 CE</td>
<td>3</td>
</tr>
<tr>
<td>HIST 004B</td>
<td>Western Civilization II: 1500 CE to present</td>
<td>3</td>
</tr>
<tr>
<td>HIST 017A</td>
<td>United States History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 017B</td>
<td>United States History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 005A</td>
<td>World History: Prehistory to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 005B</td>
<td>World History From 1500</td>
<td>3</td>
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<td>African American History</td>
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<td>3</td>
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<td>HIST 016</td>
<td>Mexican-American History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 020</td>
<td>History and Geography of California</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Major Units: 18

Requirements vary somewhat among four-year institutions. Consult the department advisor and counselor for transfer requirements of the institution of your choice.

To be awarded an A.A. Degree, a student must complete:
1. Achieve a grade of “C” or better in the major requirements.
2. Additional units to meet the college graduation requirements.

For crosswalk of new subject codes, see page 61

Recommended Course Sequence:

Fall, Year 1 (6 Units):
HIST 004A, HIST 017A

Spring, Year 1 (6 Units):
HIST 004B, HIST 017B

Fall, Year 2 (3 Units):
Elective Course

Spring, Year 2 (3 Units):
Elective Course

HIST 004A WESTERN CIVILIZATION I: PREHISTORY TO 1500 CE
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID HIST 170

History 4A is a survey of the political, economic, social, cultural and religious development of western civilization from prehistoric times through the Protestant Reformation. Subject areas include Mesopotamia, Egypt, the Old Testament, Greece, Rome, The Middle Ages, the rise of Christianity, the Renaissance, and Protestant Reformation.

HIST 004B WESTERN CIVILIZATION II: 1500 CE TO PRESENT
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID HIST 180

History 04B is a survey of the political, social, economic and cultural development of western civilization from 1500 to the present. The course starts with the Reformation, English Revolution, the Scientific Revolution/Enlightenment and the French revolution. The course continues with the rise of nationalism, socialism, and imperialism in the 19th century, while World Wars I and II, the Russian Revolution, fascism/Nazism, the Cold War, and the contemporary age are features for the 20th and 21st centuries.

HIST 005A WORLD HISTORY: PREHISTORY TO 1500
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID HIST 150

This course provides a comparative, interactive investigation and analysis of World History as related to the development of the modern world. Five geographic regions surveyed include: Asia/Pacific Islands, Africa, Europe, North America and South America. Students are introduced to the major historical trends and developments in World History from Prehistory to 1500. The methods of historical analysis and interpretation are addressed through survey of cultural, economic, political, social and technological similarities and differences between civilizations. The course examines issues relevant to understanding race, culture, class, ethnicity, gender, religion, disabilities and sexualities in human societies through World History.

HIST 005B WORLD HISTORY FROM 1500
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID HIST 160

This course provides a comparative and interactive investigation of World History as related to the development of the modern world. Five geographic areas surveyed include: Africa, Asia/Pacific Islands, Europe, North and South America. Students are introduced to the major historical events and trends in world history from 1500. Historical analysis and interpretations are surveyed through comparative examination of the economic, cultural, political, social and technological commonalities and differences between human societies. The course examines the implications of race, gender, class, ethnicity, religion, disability, and sexualities in human societies over time.

HIST 012 AFRICAN AMERICAN HISTORY
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID HIST 175

This course surveys the political, economic, and social developments of African-Americans from the 1619 to the present. Topics include Africans before European contact and slavery in the US, abolitionism, the Civil War, Reconstruction, the rise and resistance to Jim Crow, WWI, WWII, the Civil Rights movement, and the present state of African-Americans. Pass/No Pass Option

HIST 014 HISTORY OF THE NATIVE NORTH AMERICANS
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID HIST 200

This course is a history of Native Americans who lived in the area that is now the United States from pre-European settlement to the present day. It includes the primary political, economic and social factors of American historical development, emphasizing their effects on Native Americans. In conjunction with this historical perspective, the course stresses the ecological lifestyle of Native Americans, exclusive of the Indians of Mexico. Pass/No Pass Option

• ADVISORY is a recommended preparation, NOT a REQUIREMENT.
• This catalog is subject to change and may be incomplete. Please consult the addenda at westvalley.edu/catalog/
HIST 016 MEXICAN-AMERICAN HISTORY
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
This course introduces students to the history of the United States and the Mexican-American experience from the Colonial Period to the present. The course emphasizes the role and life experiences of Mexican-Americans in the historical evolution of the political, economic and socio-cultural institutions of the United States. Pass/No Pass Option

HIST 017A UNITED STATES HISTORY
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID HIST 130
This course is a survey of the political, economic, and social and cultural development of the United States from the pre-Colonial period through the Civil War. Topics covered include indigenous and European influence on the development of the colonies, the causes and consequences of the War of Independence, the ideological origins of republicanism and principles of the United States Constitution, early industrialization, westward expansion, foreign policy, sectional conflict, slavery and its impact on race relations, abolition and other reform movements, and the Civil War. Pass/No Pass Option

HIST 017B UNITED STATES HISTORY
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID HIST 140
This course is a survey of the political, economic, and social and cultural development of the United States from Reconstruction to the present. Topics covered include Reconstruction, Native American culture and western settlement, Industrialization, the Progressive Era, World War I, the Twenties, the New Deal, and World War II. Also covered are domestic, social, and foreign policy issues of the post-World War II period from the 1950s through the 1990s, including reform movements, Vietnam, the Civil Rights and other ethnic movements, the Feminist Movement, popular culture, and post-Cold War foreign policy. Pass/No Pass Option

HIST 017BH HONORS UNITED STATES HISTORY
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID HIST 140
Honors United States History uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. History 017BH is a survey of the political, economic, and social and cultural development of the United States from Reconstruction to the present. Topics covered include Reconstruction, Native American culture and western settlement, Industrialization, the Progressive Era, World War I, the Twenties, the New Deal, and World War II. Also covered are domestic, social, and foreign policy issues of the post-World War II period from the 1950s through the 1990s, including reform movements, Vietnam, the Civil Rights and other ethnic movements, the Feminist Movement, popular culture, and post-Cold War foreign policy.

HIST 020 HISTORY AND GEOGRAPHY OF CALIFORNIA
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
This course examines historical qualities that make California geographically and historically unique, including race and ethnicity, class and gender conflict, state and local politics, and economics from the pre-Spanish missionization period up to the present day.

Honors University Transfer Program

COORDINATOR: Sam Liu
DEAN: Raymond Gamba, Ph.D.
COORDINATOR: Sam Liu, Ph.D.
PHONE: 408-741-2147
EMAIL: sam.liu@westvalley.edu
COUNSELING: 408-741-2009
COUNSELOR: Angelica Bangle, Ed.D.
email: angelica.bangle@westvalley.edu

The West Valley College Honors University Transfer Program is one of the institution's primary instruments for advanced academic excellence and scholastic training within a critical-thinking mode. The program's primary mission is to create and maintain an alternative curriculum model which, by virtue of its interdisciplinary structure, ensures course enrichment and accelerates the intellectual and creative development of high-ability students.

Program Description

Honors Program courses require a higher level of analysis in order to benefit from an innovative curriculum model called a transdisciplinary unit, which expands the concept of team-teaching and interdisciplinary instruction. An Honors Program team consists of three to four instructors who coordinate their course content and methods. The Honors Program concentrates on three instructional themes (two per semester): Civilizations of the World, Science: Inquiry and Applications, and Thought and Politics. Each transdisciplinary unit offers an integrated curriculum without sacrificing the integrity and rigor of the content of the specific disciplines. Students have the option of enrolling in one, two, or three courses depending on pre- and Corequisites, the number and type of general education courses already completed, and the requirements of their majors.

By design both our Honors Program instruction and counseling services challenge students to be involved, communicate better and meet academic standards and expectations. As a team both counseling faculty and program coordinators work effectively to support students and address any personal, academic, family-related concerns they may experience in pursuit of their academic and transfer goals.

Most students are aware of the Transfer Alliance Program (TAP) with UCLA. Honors students who wish to transfer under the terms of the transfer alliances with selected universities receive priority consideration.

To qualify for the TAP agreement, Honors students must complete five Honors courses or a minimum of 15 Honors units, with a 3.4 or higher GPA (specific to majors) as part of their 60 or more transferable units. Additional transfer opportunities provide students with a competitive edge when applying to other colleges and universities throughout the country.

Course enrollment is limited to approximately 20 students. Because students often register for more than one course within a transdisciplinary unit, the Honors program encourages peer support study groups, and esprit de corps.

Course Content and Methodology

The difference between the Honors curriculum and the traditional curriculum is qualitative. The Honors curriculum allows for more individualized, interdisciplinary, experiential, and collaborative learning experiences. Students will participate in advanced seminars as well as independent projects. Knowledge will be demonstrated primarily through written assignments and oral presentations.

Courses in the Honors Program have been selected to fulfill University of California and California State University general education requirements.

Please refer to the following descriptions of each specific honors course listed in order to find course description, units and prerequisites.
ANTH 003H HONORS INTRODUCTION TO CULTURAL ANTHROPOLOGY
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID ANTH 120
Honors Introduction to Cultural Anthropology uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course is a study of culture and social behavior as developed through the anthropological study of contemporary peoples. Comparative survey of the range of cultures of the world with emphasis upon social organization, economics, religion, kinship systems, cultural patterns, values, ethics, and ecology.

ARTS 001AH HONORS SURVEY OF WESTERN ART I
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID ARTH 110
Honors Survey of Western Art I uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. As an honors course, there is a focus on analytical writing, exploring the work through primary source research. This course is a general survey of painting, sculpture, and architecture in the western world from prehistoric times through the Gothic period, using art as a reflection of human interaction with events of the time, emphasizing aesthetic, cultural, and historical values.

ARTS 001BH HONORS SURVEY OF WESTERN ART II
3 units
Lecture 3 units; lab 0 units
Prerequisite: Pre-approval into Honors Program.
Acceptable for credit: University of California, California State University
C-ID ARTH 120
Honors Survey of Art II uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. As an honors course, there is a focus on analytical writing, exploring the work through primary source research. Additionally, there is an emphasis on a higher degree of student participation and leadership in class discussions and other interactive teaching/learning techniques that are generally not suitable for larger undergraduate classes. This course examines visual culture as it develops from the Early Renaissance in Italy and Northern Europe through Modern Art. Emphasis is given to the social, political, historical, and economic forces that give meaning and context to the art. The art is also examined through the lens of critical theory.

ARTS 001DH HONORS ART OF THE 20TH CENTURY
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID ARTH 150
Honors Art of the 20th Century uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course is a general survey of painting, sculpture, and architecture in the western world from the Impressionists to the present day, emphasizing the evolution of changing attitudes toward form and content. This is an information competency infused course.
**ARTS 004H HONORS ART APPRECIATION**
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University, California State University Honors Art Appreciation uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This is an introductory overview to general trends and concepts of visual expression. Art objects under study are considered both as aesthetic entities in themselves and as crystallization of thoughts and beliefs during different periods of history. Students have the opportunity to gain greater awareness of processes and media required to create art. Pass/No Pass Option

**BUSN 028H HONORS BUSINESS LAW**
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University Honors Business Law uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. The course requires a higher level of critical legal analysis beyond the non-honors section. This course is an introduction to law relating to the conduct of business, the meaning and sources of law, organization of courts and court procedures, and fundamental principles of the law of contracts and agency. A fundamental understanding of common law principles is achieved by analyzing selected cases and court decisions, and business transactions. Topics covered include an introduction to the legal process, sources of law and ethics, contracts, torts, agency, criminal law, business organizations, and judicial and administrative processes. Pass/No Pass Option

**COMM 010H HONORS PERSUASIVE SPEAKING**
3 units
Lecture 3 units; lab 0 units
Prerequisite: ENGL 905
Advisory: READ 053
Acceptable for credit: University of California, California State University C-ID COMM 190
This communication studies course offers students the opportunity to examine historical and contemporary approaches to persuasive messages throughout time. It focuses on the presentation of persuasive appeals, and learning to construct, deliver, critique, and analytically evaluate persuasive messages in a variety of contexts. This course includes preparing, outlining, and presenting at least two extemporaneous oral persuasive speeches that are given in the physical presence of other listeners. This course also includes a project that analyzes persuasive messages with a presentation of findings component. Honors Persuasive Speaking uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit.

**ECON 001AH HONORS PRINCIPLES OF MACROECONOMICS**
3 units
Lecture 3 units; lab 0 units
Corequisite: ECON 002AH
Prerequisite: MATH 903 or MATH 903R or LRSV 945.
Acceptable for credit: University of California, California State University C-ID ECON 202
Honors Principles of Macroeconomics uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. The course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course is an introduction to aggregate economic analysis of market systems; aggregate measures of the economy; macroeconomic equilibrium; money, the banking system and role of central banks; monetary and fiscal policy; international trade and exchange rates; and macroeconomic growth. This class must be taken concurrently with online laboratory Econ 2A.

**ECON 001BH HONORS PRINCIPLES OF MICROECONOMICS**
3 units
Lecture 3 units; lab 0 units
Corequisites: ECON 002BH
Prerequisite: MATH 103 or MATH 103R.
Acceptable for credit: University of California, California State University C-ID ECON 201
Honors Principles of Microeconomics uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course provides an introduction to microeconomic analysis which focuses on individual economic decision-makers and markets. Topics include scarcity and allocation of resources, distribution of income and wealth, market equilibrium, price ceilings/floors, elasticity, consumer theory, cost/production analysis, market structures, factor markets, market failure, international trade and finance, and the role of public policy in the economy.

**ECON 002AH HONORS PRINCIPLES OF MACROECONOMICS LAB**
1 unit
Lecture 0 units; lab 1 unit
Corequisite: ECON 001AH
Acceptable for credit: University of California, California State University C-ID ECON 202
Honors Principles of Macroeconomics Lab uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This online laboratory introduces macroeconomic analysis and principle including analysis of: market systems; aggregate measures of the economy; macroeconomic equilibrium; money, the banking system and role of central banks; monetary and fiscal policy; international trade and exchange rates; and macroeconomic growth. This lab must be taken concurrently with Econ 001AH.

**ECON 002BH HONORS PRINCIPLES OF MICROECONOMICS LAB**
1 unit
Lecture 0 units; lab 1 unit
Corequisite: ECON 001BH
Acceptable for credit: University of California, California State University C-ID ECON 201
Honors Principles of Microeconomics Lab uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This laboratory introduces microeconomic analysis, analysis of the allocation of resources and the distribution of income through a price system, economic theory related to demand, production, competitive and non-competitive product markets. This lab must be taken concurrently with Econ 001BH.
ENGL 001CH HONORS CRITICAL THINKING AND WRITING
3 units
Lecture 3 units; lab 0 units
Prerequisite: ENGL 001A
Acceptable for credit: University of California, California State University
C-ID ENGL 105
Honors Critical Thinking and Writing uses the pedagogical methods common to all Honors courses: writing-intensive, collaborative, and experiential instruction. As an honors course, there is a focus on analytical writing and an emphasis on a higher degree of student participation and leadership in class discussions and other interactive teaching/learning techniques that are generally unsuitable for larger undergraduate classes. This course offers instruction and practice in methods of critical thinking and formal argument writing, emphasizing the following: the principles of classical argument structure and methods of reasoning; analysis and evaluation of rhetorical argument; identification of the assumptions underlying a given argument; identification and critique of fallacies in arguments; and analysis of language use and its implications in argument writing. Students in this course have the opportunity to practice critical thinking by writing substantive arguments, essays, and a documented research paper.

ENGL 006AH HONORS WORLD LITERATURE
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University.
C-ID ENGL 140
Honors World Literature uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course surveys literature from around the world produced from the beginnings of oral history up to the year 1650. This course emphasizes literature outside the Anglo-American tradition. Students analyze and compare texts representing various genres from different cultural regions, including Africa, Asia, Europe, the Middle East, Latin America, and the Pacific Islands. Through this cross-cultural study of literature, students engage in thinking critically about cultural diversity and related issues such as global migrations, international power dynamics, and transnational patterns of inequality in a world context. Pass/No Pass Option

ENGL 006BH HONORS WORLD LITERATURE
3 units
Lecture 3 units; lab 0 units
Prerequisite: Eligibility for ENGL 001A
Advisory: ENGL 001A or equivalent
Acceptable for credit: University of California, California State University
C-ID ENGL 145
Honors World Literature uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course surveys and compares literature from around the world produced between 1650 and the present. This course emphasizes literature outside the Anglo-American tradition. Students analyze and compare texts representing various genres from different cultural regions, including Africa, Asia, Europe, the Middle East, Latin America, and the Pacific Islands. Through this cross-cultural study of literature, students engage in thinking critically about cultural diversity and related issues such as global migrations, international power dynamics, and transnational patterns of inequality in a world context. Pass/No Pass Option

ENGL 012H HONORS AFRICAN AMERICAN LITERATURE
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
Honors African American Literature uses the pedagogical methods common to all Honors courses: writing-intensive, collaborative, and experiential instruction. As an honors course, there will be focus on analytical writing and an emphasis on a higher degree of student participation and leadership in class discussions and other interactive teaching/learning techniques that are generally unsuitable for larger undergraduate classes. This course examines African American Literature from the 1700s to the present. Emphasis is given to the development of a body of literature that attests to the mastery and enhancement by Black writers of the prevailing literary forms in each era in America’s cultural, social, and political history. Students in the course have the opportunity to examine how literature reflects the experiences of Africans adapting to life in new world America and carving out a new identity complete with the development of new literary styles and conventions. The literature is examined through lenses of conventional critical theory and elements of literature.

ENGL 013H HONORS U.S. LATINO LITERATURE
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
Honors U.S. Latino Literature uses the pedagogical methods common to all Honors courses: trans-disciplinary, writing-intensive, collaborative, and experiential instruction. As an honors course, there is a focus on analytical writing and an emphasis on a higher degree of student participation and leadership in class discussions and other interactive teaching/learning techniques that are generally unsuitable for larger undergraduate classes. This course examines and contextualizes representative literary texts written in (or translated to) English by authors who (since the sixteenth century, through the emergence of the “Latino Literature” movement in the twentieth century, and up to now) have self-identified as American Latinos and have addressed the varied traditions, conflicts, and transformations experienced by American Latinos.

ENGL 018H HONORS ASIAN AMERICAN LITERATURE
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
Honors Asian American Literature uses the pedagogical methods common to all Honors courses: writing-intensive, collaborative, and experiential instruction. As an honors course, there will be focus on analytical writing and an emphasis on a higher degree of student participation and leadership in class discussions and other interactive teaching/learning techniques that are generally unsuitable for larger undergraduate classes. This course provides a cross-cultural comparative study of the literary works of several Asian American authors. Through their works, students have the opportunity to learn about history, culture, customs, and traditions of at least four of the following Asian American communities: Chinese, Japanese, Korean, Filipino, Vietnamese, Indian, and other southeast Asians and Pacific Islanders. Pass/No Pass Option

• ADVISORY is a recommended preparation, NOT a REQUIREMENT.
• This catalog is subject to change and may be incomplete. Please consult the addenda at westvalley.edu/catalog/
ENGL 041H HONORS LITERATURE AND FILM
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: California State University
Honors Literature and Film uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. As an honors course, there is a focus on analytical writing and an emphasis on a higher degree of student participation and leadership in class discussions and other interactive teaching/learning techniques that are generally unsuitable for larger undergraduate classes. This course examines cultural, artistic, historical, critical and theoretical aspects of selected works of literature and film. Students have the opportunity to engage a wide range of film and literature—often including adaptations of one into the other—as they learn to analyze and evaluate the techniques used by artists in both media.

ENGL 043H HONORS CLASSICAL MYTHOLOGY
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
Honors Classical Mythology uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. Using translations of epic, poetic, and dramatic texts of classical writers and philosophers, this course examines the meaning and function of myth in the literature of Ancient Greece and Rome as well as its recurrence and significance in modern works.
ENGL 046H HONORS CONTEMPORARY AMERICAN MULTICULTURAL LITERATURE
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
Honors Contemporary American Multi-Cultural uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course examines American literature by writers from at least three of the following groups: African American/Black, American Indian, Asian American/Pacific Islander, Chicano/Latino, European American, and Middle Eastern-American. Students examine issues such as race, class, gender, and sexualities as explored in the literary works. This course satisfies the 3-unit Cultural Diversity requirement for the associate degree.

ENGL 047H HONORS INTRODUCTION TO POETRY
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: California State University
Honors Introduction to Poetry uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. As an honors course, there is a focus on analytical writing and an emphasis on a higher degree of student participation and leadership in class discussions and other interactive teaching/learning techniques that are generally unsuitable for larger undergraduate classes. This course examines poetry from a variety of angles, including terminology, form, performance, and composition. In addition to studying poets and movements, students also perform poetry, create poems, and write analytical essays that require research and high-level critical thinking.

ENGL 048H HONORS INTRODUCTION TO SHAKESPEARE
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
Honors Introduction of Shakespeare uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. As an honors course, there is a focus on analytical writing and an emphasis on a higher degree of student participation and leadership in class discussions and other interactive teaching/learning techniques that are generally unsuitable for larger undergraduate classes. This course examines poetry from a variety of angles, including terminology, form, performance, and composition. In addition to studying poets and movements, students also perform poetry, create poems, and write analytical essays that require research and high-level critical thinking.

ENGL 049H HONORS MODERN FICTION
3 units
Lecture 3 units; lab 0 units
Advisory: ENGL 001A
Acceptable for credit: University of California, California State University
Honors Modern Fiction uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course focuses on reading and analyzing fiction from the Modern Period (1895-1945). It also covers Pre-modern literary movements and Postmodern texts. It fulfills general education requirement for literature.

GEOL 001AH HONORS PHYSICAL GEOLOGY
4 units
Lecture 3 units; lab 1 unit
Acceptable for credit: University of California, California State University
C-ID GEOL 100, GEOL 101
Honors Physical Geology uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course provides an introduction to the field of science as applied to the study of the nature, properties, and distribution of earth materials; how the material forms, changes, and moves throughout the earth; and how landscapes develop. It is designed to serve both the non-science major and those students intending to major in the earth sciences. Pass/No Pass Option

HIST 017BH HONORS UNITED STATES HISTORY
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID HIST 140
Honors United States History uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. History 017BH is a survey of the political, economic, and social and cultural development of the United States from Reconstruction to the present. Topics covered include Reconstruction, Native American culture and western settlement, Industrialization, the Progressive Era, World War I, the Twenties, the New Deal, and World War II. Also covered are domestic, social, and foreign policy issues of the post-World War II period from the 1950s through the 1990s, including reform movements, Vietnam, the Civil Rights and other ethnic movements, the Feminist Movement, popular culture, and post-Cold War foreign policy.

KINT 051H HONORS DANCE IN AMERICA: A CULTURAL PERSPECTIVE
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
Honors Dance in America: a Cultural Perspective uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course examines dance as a cultural expression in the USA. The course explores and analyzes indigenous dance forms including the social, political, economic, and religious significance. Pass/No Pass Option

MATH 003AH HONORS CALCULUS AND ANALYTICAL GEOMETRY
5 units
Lecture 5 units; lab 0 units
Prerequisite: MATH 001 AND MATH 000D or MATH 002
Acceptable for credit: California State University
Honors Calculus and Analytic Geometry uses the pedagogical methods common to all honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. This is a first course in differential and integral calculus of a single variable: topics include functions; limits and continuity; techniques and applications of differentiation and integration; Fundamental Theorem of Calculus. It is designed primarily for Science, Technology, Engineering & Math Majors. Honors work emphasizes a deeper study of differential calculus via the study of proofs using analytic techniques, real-world problems, and special applied projects.
MATH 003BH HONORS CALCULUS AND ANALYTICAL GEOMETRY
5 units
Lecture 5 units; lab 0 units
Prerequisite: MATH 003A or MATH 003AH
Acceptable for credit: California State University

Honors Calculus and Analytic Geometry uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. This is a second course in differential and integral calculus of a single variable: topics include integration, techniques of integration, infinite sequences and series, polar and parametric equations, and applications of integration. This course is primarily for science, technology, engineering & math majors. Honors work emphasizes a deeper study of integral calculus via the study of proofs using analytic techniques, real-world problems, and special applied projects.

MATH 010H HONORS ELEMENTARY STATISTICS
4 units
Lecture 4 units; lab 0 units
Prerequisite: MATH 106 or MATH 106R or MATH 106S
Acceptable for credit: University of California, California State University

C-ID MATH 110

Honors Elementary Statistics uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. This course covers the use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance; chi-square and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications discussed use data from disciplines including business, social sciences, psychology, life science, health science, and education.

POLI 001H HONORS AMERICAN GOVERNMENT
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University

C-ID POLS 110

Honors American Government uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course covers the structure and functions of the American national government including consideration of state and local government. Emphasis is placed on the development of democratic institutions through historical and contemporary studies.

POLI 003H HONORS INTRODUCTION TO POLITICAL SCIENCE
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University

C-ID POLS 150

Honors Introduction to Political Science uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course is an introduction to political theory analyzing the ideological origins of nation-states from direct democracy to totalitarian forms of government. This course may be used to meet Social Science Area D requirements in the General Education pattern for transfer to the California State University System.

PSYC 001H HONORS GENERAL PSYCHOLOGY
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University

C-ID PSY 110

Honors General Psychology uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. As an honors course, there will be an added focus on analytical writing regarding various subsections of the field through reading primary source research. This course introduces students to general psychology as a behavioral science with an emphasis on the scientific study of behavior and mental processes. The content focuses on the exploration of major psychological theories, concepts, methods, and research findings in psychology, including the biological bases of behavior, perception, cognition, consciousness, learning, memory, emotion, motivation, development, personality, social psychology, psychological disorders as well as therapeutic approaches and applied psychology.

PSYC 002H HONORS EXPERIMENTAL PSYCHOPHYSIOLOGY
4 units
Lecture 3 units; lab 1 unit
Prerequisites: PSYC 001 and MATH 010 or MATH 010H
Acceptable for credit: University of California, California State University

C-ID PSY 205B

The course introduces the student to the theory and application of the scientific method with particular emphasis in the area of physiology and behavior. A computerized psychophysiology laboratory will be used to introduce students to (1) experimental design and analysis, and (2) theoretical and methodological concepts in psychophysiological research, which investigates the relationship between physiological events and behavior. General areas covered include: philosophy of science, research design, experimental procedures, data analysis, synthesis, evaluation, and summary. Elementary statistics will be incorporated into the course using actual data collected from experiments conducted during laboratory sessions. Computer modeling will be compared and contrasted with empirical research as a problem solving method. Primary references used for experimental write-ups and the final research project will require data base searching on Dialog.

SOC 002H HONORS SOCIAL PROBLEMS
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University

As an honors course, the course focuses on critically analyzing sociological literature and research specific sociological topics, identifies and analyzes contemporary social problems, with emphases on the U.S., cross-cultural comparisons, and globally. The course focuses on the role of power and ideology in the definition of social problems, identifying the causes of various social problems and consequences, and evaluating proposed solutions. The course provides a comprehensive overview in current events, policy debates, and emerging social trends. This honors course emphasizes on analytical writing and exploring the field through reading primary sociological research.

THEA 010H HONORS INTRODUCTION TO THEATER
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University

C-ID THTR 111

Honors Introduction to Theater uses the pedagogical methods common to all Honors courses: interdisciplinary, writing-intensive, collaborative, and experiential instruction. Course content makes connection through a common theme with other courses offered within the specified transdisciplinary unit. This course is an introduction to the world of theater. This introduction includes dramatic literature, technical theater, theater history, production techniques and the critical evaluation of productions.

• PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
Humanities

DIVISION Social Science
DEAN Raymond Gamba
DEPARTMENT CHAIR Nichola Gutierrez
PHONE 408-741-2557
EMAIL nichola.gutierrez@westvalley.edu
COUNSELING 408-741-2009

Learning Outcomes
After completing courses in Humanities, a student will be able to:
• Analyze major cultural attributes such as literary, musical, artistic and religious representing a variety of civilizations;
• Evaluate changes in humanistic traditions using cross-cultural and historical comparisons.

HUMANITIES: For transfer information see assist.org and/or consult with a counselor.

HUMN 001A HUMAN VALUES IN AND FROM THE ARTS - THE ANCIENT WORLD TO THE EARLY RENAISSANCE
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
This course is designed to show integration of the visual, literary, and musical arts within a historical context from the ancient world to the Early Renaissance. It is an interdisciplinary approach to cultural epochs through the use of thematic material, ideas, and values.

HUMN 001B HUMAN VALUES IN AND FROM THE ARTS - THE RENAISSANCE TO THE MODERN AGE
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
This course is designed to show integration of the visual, literary and musical arts within a historical context from the Renaissance to the Modern Age. This course is an interdisciplinary approach to cultural epochs through the use of thematic material, ideas, and values.

Interior Design

DIVISION Cilker School of Art and Design
DEAN Andrew Chandler
DEPARTMENT CHAIR Diane Hurd
PHONE 408-741-2110
EMAIL diane.hurd@westvalley.edu
COUNSELING 408-741-4068

FACULTY ADVISORS
Cigdem Bulut (A-F) 408-741-4638
Diane Hurd (G-Q) 408-741-2406
Christopher Wright (R-Z) 408-741-2049

Degree:
A.S., Interior Design

Certificates:
Computer Aided Drafting & Design
Interior Design

The Program
The Interior Design Program has a comprehensive, professional curriculum that provides courses focusing on the vital and basic aspects of interior design. Throughout the program, emphasis is placed on the fundamental relationship of interior design and the visual and decorative arts.

In addition to interior design certificates, the program offers specialty certificates that promote professional development in terms of successful course completion, alternative basic skills, and enhanced workforce development. These certificates provide alternative paths, and at the same time answer critical industry needs.

When available and appropriate, students may be required to participate in design-related competitions to reinforce the classroom learning experience.

Career Options
• Commercial Design
• Computer-Aided Design and Drafting
• Education and Research
• Facilities Planning and Design
• Furniture Design
• Green Design
• Health Care Design
• Historic Preservation
• Hospitality Design
• Kitchen and Bath Design
• Lighting Design
• Residential Design
• Restaurant Design
• Retail Design
• Space Planning
• Sustainable Design
• Textile Design

COURSE SUBSTITUTIONS AND WAIVERS
Course substitutions and waivers are approved by the department upon review of transcripts, course descriptions and evidence of proficiency in the subject matter.

Hat INTERIOR DESIGN
A.S. Degree

The Interior Design Associate of Science Degree goals and objectives are designed to give students the opportunity to practice in various facets of the interior design profession. The program provides a comprehensive, professionally-focused curriculum with courses focusing on the basic and vital aspects of interior design with emphasis on practical application in the field. When available and appropriate, students will have the opportunity to engage
in internships and participate in design-related competitions to reinforce the classroom learning experience. The degree provides students the opportunity to combine knowledge and skills acquired from general education courses with their interior design studies and translate them into professional practice.

After completing an A.S. Degree in Interior Design, a student will be able to:
- Apply specialized knowledge of interior construction, building codes, equipment, materials and furnishings.
- Prepare drawings and documents relative to the design of interior spaces in order to enhance and protect the health, safety, and welfare of the public.
- Identify, research, and creatively solve problems pertaining to the function and quality of the interior environment.
- Perform services relative to interior spaces, including design analysis, programming, space planning and aesthetics.

This program provides career and technical education to prepare students for career opportunities in:
1. interior design firms
2. architectural firms
3. kitchen and bath design firms
4. retail finishes and furnishings stores
5. commercial furniture dealerships
6. furniture and finish manufacturers

The A.S. Degree in Interior Design is a professional-level degree that allows re-entry students with bachelor’s and advanced degrees, who are not able to pursue additional baccalaureate degrees in the California State University system, and those students who do not intend to pursue bachelor's degrees, the opportunity to obtain professional training to effectively enter the workforce.

### Course Sequences

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTD 005</td>
<td>Introduction to Interior Design</td>
<td>1</td>
</tr>
<tr>
<td>INTD 010</td>
<td>Elements and Principles of Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>INTD 020</td>
<td>Color Theory and Application</td>
<td>3</td>
</tr>
<tr>
<td>INTD 022</td>
<td>Finish Materials, Estimating and Costing</td>
<td>3</td>
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<tr>
<td>INTD 028</td>
<td>Interior Construction and Building Systems</td>
<td>3</td>
</tr>
<tr>
<td>INTD 032</td>
<td>Graphics Techniques for Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>INTD 036</td>
<td>History of Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>INTD 065</td>
<td>Introduction to Computer Aided Interior Design</td>
<td>3</td>
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#### Foundation Courses: 12 units

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<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>INTD 040</td>
<td>Residential Design</td>
<td>3</td>
</tr>
<tr>
<td>INTD 045</td>
<td>Professional Practice</td>
<td>3</td>
</tr>
<tr>
<td>INTD 050</td>
<td>Kitchen &amp; Bath Design</td>
<td>3</td>
</tr>
<tr>
<td>INTD 075</td>
<td>Lighting Design</td>
<td>3</td>
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#### OR

<table>
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<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>INTD 029</td>
<td>Green and Sustainable Design</td>
<td>3</td>
</tr>
<tr>
<td>INTD 045</td>
<td>Professional Practice</td>
<td>3</td>
</tr>
<tr>
<td>INTD 060</td>
<td>Commercial Design</td>
<td>3</td>
</tr>
<tr>
<td>INTD 066</td>
<td>Advanced Computer Aided Design</td>
<td>3</td>
</tr>
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#### Choose 3 units of one of the following electives

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<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 058</td>
<td>Introduction to Revit Architecture</td>
<td>3</td>
</tr>
<tr>
<td>INTD 035C</td>
<td>Design of Historic Interiors</td>
<td>3</td>
</tr>
<tr>
<td>INTD 070</td>
<td>Advanced Graphic Techniques</td>
<td>3</td>
</tr>
<tr>
<td>INTD 085</td>
<td>Design Detailing</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Choose 1 unit from one of the following electives

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 057</td>
<td>Architectural Model Making</td>
<td>1</td>
</tr>
<tr>
<td>DIGM 025B</td>
<td>Social Media Marketing</td>
<td>1</td>
</tr>
</tbody>
</table>

### Total Major Units

To be awarded an A.S. Degree, a student must complete:

1. All major requirements.
2. Additional units to meet the college graduation requirements.

For crosswalk of new subject codes, see page 61

### Recommended Course Sequence:

#### Fall, Year 1 (13 Units):

- INTD 005, INTD 010, INTD 020, INTD 022, INTD 032

#### Spring, Year 1 (10 Units):

- INTD 028, INTD 036, INTD 065, Any Course from Electives

#### Fall, Year 2 (9 Units):

- INTD 050, INTD 075, Any Course from Electives OR INTD 029, INTD 066, Any Course from Electives

#### Spring, Year 2 (6 Units):

- INTD 040, INTD 045 OR INTD 045, INTD 060

### COMPUTER AIDED DRAFTING AND DESIGN Certificate of Achievement

The goals and objectives of the Computer Aided Drafting and Design Certificate are designed to prepare students to practice in the areas of the interior design profession that require computer aided drafting and computer graphics to prepare conceptual, design, and construction drawings. The program provides a professionally-focused curriculum focusing on practical application in the interior design field.

After completing the Computer Aided Drafting and Design Certificate, a student will be able to:
- Create, manipulate, and organize hand drafted and CAD drawings using industry standards.
- Plan and generate CAD drawing files using common and advanced CAD tools.
- Produce a CAD drawing to represent existing field conditions using the principles of drafting techniques.

Examples of interior design employers and career opportunities include:
1. interior design firms
2. architectural firms
3. kitchen and bath design firms
4. commercial furniture dealerships
5. corporate facilities departments

#### Total Certificate Units

For crosswalk of new subject codes, see page 61

### Recommended Course Sequence:

#### Fall, Year 1 (3 Units):

- INTD 015

#### Spring, Year 1 (3 Units):

- INTD 065

#### Fall, Year 2 (6 Units):

- ARCH 058, INTD 066

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* PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.

* Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
INTERIOR DESIGN
Certificate of Achievement

The goals and objectives of the Interior Design Certificate are to prepare students to practice in various facets of the interior design profession. The program provides a comprehensive, professionally-focused curriculum focused on the basic and vital aspects of interior design with an emphasis on practical application in the field. When available and appropriate, students have the opportunity to engage in internships and participate in design-related competitions to reinforce the classroom learning experience. The Interior Design Certificate is a professional-level certificate that affords students the opportunity to obtain specific training needed to effectively enter the workforce.

After completing an Interior Design Certificate, a student will be able to:

1. Use specialized knowledge of interior construction, building codes, equipment, materials and furnishings.
2. Prepare drawings and documents relative to the design of interior spaces in order to enhance and protect the health, safety, and welfare of the public.
3. Identify, research, and creatively solve problems pertaining to the function and quality of the interior environment.
4. Perform services relative to interior spaces, including design analysis, programming, space planning and aesthetics.

Students must complete the following:

- 35 units of required courses
- 3 units of required courses
- Students must complete the following:

1. interior design firms
2. architectural firms
3. kitchen and bath design firms
4. retail finishes and furnishings stores
5. commercial furniture dealerships
6. furniture and finish manufacturers

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<td>1</td>
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<tr>
<td>INTD 010</td>
<td>Elements and Principles of Interior Design</td>
<td>3</td>
</tr>
<tr>
<td>INTD 020</td>
<td>Color Theory and Application</td>
<td>3</td>
</tr>
<tr>
<td>INTD 022</td>
<td>Finish Materials, Estimating and Costing</td>
<td>3</td>
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<tr>
<td>INTD 028</td>
<td>Interior Construction and Building Systems</td>
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<tr>
<td>INTD 032</td>
<td>Graphics Techniques for Interior Design</td>
<td>3</td>
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<tr>
<td>INTD 036</td>
<td>History of Interior Design</td>
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</tr>
<tr>
<td>INTD 065</td>
<td>Introduction to Computer-Assisted Interior Design</td>
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Choose Residential or Commercial emphasis

<table>
<thead>
<tr>
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<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>INTD 040</td>
<td>Residential Design</td>
<td>3</td>
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<tr>
<td>INTD 045</td>
<td>Professional Practice</td>
<td>3</td>
</tr>
<tr>
<td>INTD 050</td>
<td>Kitchen &amp; Bath Design</td>
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</tr>
<tr>
<td>INTD 075</td>
<td>Lighting Design</td>
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OR

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<tr>
<td>INTD 029</td>
<td>Green and Sustainable Design</td>
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<tr>
<td>INTD 045</td>
<td>Professional Practice</td>
<td>3</td>
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<tr>
<td>INTD 060</td>
<td>Commercial Design</td>
<td>3</td>
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<tr>
<td>INTD 066</td>
<td>Advanced Computer Aided Design</td>
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Electives choose one

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<tr>
<td>ARCH 057</td>
<td>Architectural Model Making</td>
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</tr>
<tr>
<td>DIGM 025</td>
<td>Introduction to Internet Marketing</td>
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Recommended Course Sequence:

**Fall, Year 1: 13 units**
- INTD 005, INTD 010, INTD 020, INTD 022, INTD 032

**Spring, Year 1: 9 units**
- INTD 028, INTD 036, INTD 065

**Fall, Year 2: 7 units**
- INTD 050, INTD 075, Any Course from Electives
  - OR
  - INTD 029, INTD 066, Any Course from Electives

**Spring, Year 2: 6 units**
- INTD 040, INTD 45 OR INTD 045, INTD 060

**INTD 005 INTRODUCTION TO INTERIOR DESIGN**

- 1 unit
- Lecture 1 unit; lab 0 units
- Acceptable for credit: California State University
- This course introduces the Interior Design profession, its history, and related specialties and disciplines. Topics are related to the multifaceted aspects of this discipline, including the many career paths and opportunities. Pass/No Pass Option

**INTD 010 ELEMENTS AND PRINCIPLES OF INTERIOR DESIGN**

- 3 units
- Lecture 2 units; lab 1 unit
- Acceptable for credit: California State University
- This course is intended to provide students with the knowledge of conceptual design elements which are applied to designing interior spaces in subsequent interior design courses. Pass/No Pass Option

**INTD 015 INTERIOR ARCHITECTURAL DRAFTING**

- 3 units
- Lecture 2 units; lab 1 unit
- Acceptable for credit: California State University
- The course introduces the tools and techniques necessary for interior architectural drafting. Emphasis is on lettering, measuring techniques, scale problems, use of architectural graphic standard manuals, dimensioning, plans, elevations, and sections. Pass/No Pass Option

**INTD 020 COLOR THEORY AND APPLICATION**

- 3 units
- Lecture 2 units; lab 1 unit
- Acceptable for credit: California State University
- This course is an introduction to design fundamentals and basic principles of color related to interior design. Laboratory experiences include two- and three-dimensional color projects in different media.

**INTD 022 FINISH MATERIALS, ESTIMATING AND COSTING**

- 3 units
- Lecture 3 units; lab 0 units
- Acceptable for credit: California State University
- This course addresses the study and application of interior design materials and finishes with related topics including content, characteristics, production, standards, and codes. The course also covers the processes and techniques of specifying, estimating and coating materials related to finishes and furnishings used in interior spaces.

**INTD 025 INTERIOR FINISH MATERIALS**

- 3 units
- Lecture 3 units; lab 0 units
- Acceptable for credit: California State University
- This course addresses the study and application of interior design materials and finishes including content, characteristics, production, standards, and codes. Pass/No Pass Option

For crosswalk of new subject codes, see page 61
INTD 028 INTERIOR CONSTRUCTION AND BUILDING SYSTEMS
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
This course is an overview of systems used in the construction of interior environments. The content includes such building systems as floors, ceilings, and doors as well as systems developed for providing safety and comfort (plumbing, HVAC, lighting, and acoustics). Students have the opportunity to practice research techniques regarding the subject matter. Pass/No Pass Option

INTD 029 GREEN AND SUSTAINABLE DESIGN
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
This course introduces students to the history, philosophy, and principles of environmentally responsible design. Through the study of local, national, and international research of green and sustainable design, the implications of design decisions on the environment and living beings are explored. Research and evaluation of green and sustainable products, components, processes, and construction are conducted. Pass/No Pass Option

INTD 029A INTRODUCTION TO SUSTAINABLE DESIGN
1 unit
Lecture 1 unit; lab 0 units
Acceptable for credit: California State University
This course is an overview of the concepts and strategies involved in sustainable building. Included are the discussion and study of the history of sustainable design, related organizations, local and federal agencies, certification opportunities, and the impact of green and sustainable design on interior design practice and the profession. Pass/No Pass Option

INTD 029B SUSTAINABLE DESIGN MATERIALS AND RESOURCES
1 unit
Lecture 1 unit; lab 0 units
Prerequisites: INTD 029A
Acceptable for credit: California State University
This course provides an in-depth look at finish materials and specifications, waste management, reuse, recycling, renovation, historical preservation techniques, local product selection, and job site management related to green and sustainable design. Pass/No Pass Option

INTD 029C SUSTAINABLE DESIGN FOR RESIDENTIAL PROJECTS
1 unit
Lecture 1 unit; lab 0 units
Prerequisite: INTD 029A
Advisory: INTD 020 and INTD 040
Acceptable for credit: California State University
This course provides an in-depth look at all aspects of sustainable residential design, remodeling, kitchen and bath, furnishings, window treatments, finish materials, and lighting, and covers holistic systemic sustainable categories such as, site, water and energy efficiency, materials and resources, waste management, and interior environmental quality. Pass/No Pass Option

INTD 029D SUSTAINABLE DESIGN FOR COMMERCIAL PROJECTS
1 unit
Lecture 1 unit; lab 0 units
Prerequisite: INTD 029A
Advisory: INTD 029 and INTD 080
Acceptable for credit: California State University
This course covers all aspects of sustainable design for commercial buildings and interior spaces, as well as existing building operations and maintenance. Pass/No Pass Option

INTD 030 GRAPHIC TECHNIQUES
3 units
Lecture 2 units; lab 1 unit
Acceptable for credit: California State University
This course introduces sketching, drawing and rendering techniques for interior spaces. One and two point perspective, floor plans and elevations are drawn using detailed methodology. A variety of media are utilized grey scale rendering. There is a focus on use of appropriate drawing methods and media for phases of the interior design process including conceptualization. Techniques for drawing three dimensional views of interiors and furnishings are emphasized. Pass/No Pass Option

INTD 032 GRAPHICS TECHNIQUES FOR INTERIOR DESIGN
3 units
Lecture 2 units; lab 1 unit
Acceptable for credit: California State University
The course introduces the tools and techniques necessary for drafting, sketching, drawing, and rendering techniques for interior spaces. Plans, elevations, one point and two point perspectives are drawn using detailed methodology. Emphasis is on lettering, measuring techniques, scale problems, use of architectural graphic standards, and techniques for drawing two and three dimensional views of interiors and furnishings. There is a focus on use of appropriate drawing methods and media for phases of the interior design process including conceptualization.

INTD 035A HISTORY OF FURNITURE AND INTERIORS
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
This course explores the history and principal styles of furniture, interiors, and related decorative arts from antiquity to 1800. Pass/No Pass Option

INTD 035B HISTORY OF FURNITURE AND INTERIORS
3 units
Lecture 3 units; lab 0 units
Prerequisite: INTD 035A
Acceptable for credit: California State University
This course explores the principal styles of furniture, interiors, and related decorative arts from 1800 to the present and is a continuation of the design history taught in INTD 035A.

INTD 035C DESIGN OF HISTORIC INTERIORS
3 units
Lecture 2 units; lab 1 unit
Prerequisite: INTD 032 and INTD 036 and INTD 075
Advisory: INTD 010
Acceptable for credit: California State University
This course examines the process, categories, and qualification criteria for the interior design of historic buildings. Rehabilitation of a building is explored in detail. Pass/No Pass Option

INTD 036 HISTORY OF INTERIOR DESIGN
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
This course explores the history and principle styles of interiors, furniture, and related decorative arts from antiquity to the present. The course will demonstrate the connection between world history, architecture, and interior design as visually expressions of time and culture. Pass/No Pass Option

• PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
INTD 040 RESIDENTIAL DESIGN
3 units
Lecture 2 units; lab 1 unit
Prerequisite: INTD 050
Acceptable for credit: California State University
This course covers planning and design for interior spaces, with emphasis on the residential environment. Projects include design theory research, design concept development, and implementation in residential spaces. Students produce design documents including scaled drawings and renderings, specifications, and design models.

INTD 045 PROFESSIONAL PRACTICE
3 units
Lecture 3 units; lab 0 units
Prerequisite: INTD 005 and INTD 022, and INTD 029 or INTD 075
Acceptable for credit: California State University
This course covers business principles and practices in the field of interior design for both residential and commercial interiors. Students are introduced to proper business practices with an emphasis on operating a design business. Pass/No Pass Only

INTD 050 KITCHEN & BATH DESIGN
3 units
Lecture 2 units; lab 1 unit
Prerequisites: INTD 005 and INTD 010 and INTD 020 and INTD 022 and INTD 028 and INTD 032 and INTD 065 and INTD 075
Acceptable for credit: California State University
This course covers the process of design for kitchens and bathrooms with emphasis on construction, working drawings, presentation drawings, finish selection and specifications.

INTD 055 INTERIOR DESIGN ESTIMATING AND COSTING
3 units
Lecture 3 units; lab 0 units
Prerequisite: INTD 025
Acceptable for credit: California State University
This course covers the processes and techniques of estimating and specifying materials related to finishing and furnishings of interior spaces, including window treatments, wall treatments, floor treatments, upholstery, furniture and other architectural surfaces. Pass/No Pass Option
INTD 060 COMMERCIAL DESIGN
3 units
Lecture 2 units; lab 1 unit
Prerequisite: INTD 010 and INTD 020 and INTD 022 and INTD 028 and INTD 032 and INTD 065
Acceptable for credit: California State University
This course emphasizes the methods of planning and design for commercial interior spaces, including offices and public buildings. Finishes, furnishings, and interior detailing related to commercial projects are examined. Students have the opportunity to learn about and execute production of design documents and presentation drawings.

INTD 065 INTRODUCTION TO COMPUTER-AIDED INTERIOR DESIGN
3 units
Lecture 2 units; lab 1 unit
Prerequisite: INTD 032
Acceptable for credit: University of California, California State University
This course is an introduction to 2 dimensional and isometric computer-aided drafting and design.

INTD 066 ADVANCED COMPUTER-AIDED DESIGN
3 units
Lecture 2 units; lab 1 unit
Prerequisite: INTD 032
Acceptable for credit: University of California, California State University
This course focuses on the construction of two and three dimensional drawing and solid modeling.

INTD 070 ADVANCED GRAPHIC TECHNIQUES
3 units
Lecture 2 units; lab 1 unit
Prerequisite: INTD 032
Acceptable for credit: California State University
This course covers advanced rapid sketching and color rendering techniques for interior spaces. One and two-point perspective drawing and sketching techniques using different media and software presentation materials are explored.

INTD 075 LIGHTING DESIGN
3 units
Lecture 3 units; lab 0 units
Prerequisite: INTD 032
Advisory: INTD 020
Acceptable for credit: California State University
This course covers the theory and practice of lighting design and development of drawings with lighting specifications. Pass/No Pass Option

INTD 080 ADVANCED COMMERCIAL DESIGN
3 units
Lecture 2 units; lab 1 unit
Prerequisite: INTD 060
Advisory: INTD 070, INTD 045
Acceptable for credit: California State University
This course involves the study of commercial interior design through analysis, evaluation, integration of the design process, implementation of the multi-faceted aspects of the design phases, and design of projects involving multiple uses and issues related to the complexities of designing interior spaces.

INTD 080B ADVANCED RESIDENTIAL DESIGN
3 units
Lecture 2 units; lab 1 unit
Prerequisites: INTD 040 and INTD 070
Advisory: INTD 045
Acceptable for credit: California State University
This course involves the study of residential interior design through analysis and evaluation of the design process and implementation of the multi-faceted aspects of the design phases on projects involving diverse needs and both practical and complex decision-making.

INTD 080C ADVANCED KITCHEN AND BATH DESIGN
3 units
Lecture 2 units; lab 1 unit
Prerequisite: INTD 050
Acceptable for credit: California State University
This course covers the design of kitchens and bathrooms, with advanced study of the design process, design concept development, design phases, interior construction, building systems, materials and furnishings selections, and design documentation. Pass/No Pass Option

INTD 085 DESIGN DETAILING
3 units
Lecture 2 units; lab 1 unit
Prerequisites: INTD 022 and INTD 028 and INTD 032
Acceptable for credit: California State University
This course covers the development of the design detailing process and production of detail drawings related to interior design projects.

INTD 090A INTERIOR DESIGN INTERNSHIP
3 units
Work Experience Units: 3
*See p. 182
Prerequisites: INTD 040, INTD 045, INTD 050, INTD 060, INTD 065
Acceptable for credit: California State University
This course provides students with field experience and the opportunity to work under the direct supervision of an interior designer, or interior design-related professional, while applying knowledge and skills acquired in the core interior design courses. Opportunities and encouragement to research career opportunities are provided. A minimum of 180 unpaid or 225 paid internship hours are required. Pass/No Pass Only

INTD 090B INTERIOR DESIGN INTERNSHIP
4 units
Work Experience Units: 4
*See p. 182
Prerequisites: INTD 040, INTD 045, INTD 050 and INTD 060
Acceptable for credit: California State University
This course provides students with practical experience working directly under the supervision of an interior designer or interior design-related professional. Students are able to apply knowledge and skills learned in the Interior Design Certificate courses, including the design studio and professional practice courses related to commercial and residential design, further enhancing the learning process. Opportunities and encouragement to continue to research career possibilities are provided. This 4-unit internship course is required for completion of the Interior Design Advanced Certificate. Pass/No Pass Only

INTD 090C KITCHEN AND BATH DESIGN INTERNSHIP
4 units
Work Experience Units: 4
*See p. 182
Prerequisite: INTD 050
Acceptable for credit: California State University
This course is intended to provide students with experience working in the interior design profession with an emphasis on kitchen and bathroom design and related areas. Pass/No Pass Only

INTD 090D SUSTAINABLE DESIGN INTERNSHIP
3 units
Work Experience Units: 3
*See p. 182
Prerequisites: INTD 029A and INTD 029B and INTD 029C, and/or INTD 029D
Acceptable for credit: California State University
This course provides students with in-the-field experience specific to green and sustainable design, while working directly under the supervision of an interior designer or interior design-related professional with appropriate sustainable design credentials. Pass/No Pass Only

Italian
(See World Languages)
**Kinesiology**

**THE FACULTY**
Heidi Davis  
Scott Eitelgeorge  
Jennifer Kerwin  
Vicky Platt  
William Rodriguez  
Gaspar Silveira  
Paul Starks  
Erika Vargas  
Rick Wiens  
Danny Yoshikawa  
Armen Zakarian

**EMBEDDED COUNSELOR**
Andrew Cardamone  
(Also see Health Care Technologies, Health Science and Nutrition Studies)

**DIVISION**  
Health and Human Development

**DEAN**  
John Vlahos

**DEPARTMENT CHAIR**  
Heidi Davis

**PHONE**  
408-741-2522

**EMAIL**  
heidi.davis@westvalley.edu

**COUNSELING**  
408-741-2502

**Degrees:**
A.A.-T, Kinesiology  
A.A., Kinesiology

**Certificates:**
Certified Personal Trainer  
Pilates Instructor

The Kinesiology Department supports the mission of the college by preparing students along their pathways to reach degree, transfer and career goals in an environment of academic excellence. The Kinesiology Department courses meet the West Valley College associate's degree requirements. The courses also meet the transfer degree requirement for a bachelor's degree at CSU and most other four-year institutions. Kinesiology courses provide students the opportunity to prepare to transfer in degree programs in Physical Education and Kinesiology. Students can earn an associate's degree in Physical Education/Kinesiology preparing them for advanced degrees at four-year institutions. The Department provides pathways for student-athletes to participate in intercollegiate sports. The Department promotes student access with distance learning options.

**Career Options**
- Athletic Trainers  
- Sports Medicine Aide  
- Coaching  
- Physical Education/Kinesiology teachers  
- Marine Diving Leadership  
- Marine Diving Science  
- Sports Managers  
- Physical Therapists  
- Fitness Instructor  
- Personal trainer

**PHYSICAL EDUCATION: Transfer:**
See assist.org and/or consult with a counselor.

**Associate in Arts in Kinesiology for Transfer Degree (AA-T in Kinesiology)**
The Associate in Arts in Kinesiology for Transfer degree (AA-T in Kinesiology) is a 60 unit program which provides students the lower division coursework required for transfer to a CSU institution for the major in Kinesiology or Exercise Science.

Students who complete the Associate in Arts in Kinesiology for Transfer degree (AA-T in Kinesiology) will be able to...
- demonstrate proficiency in human movement as it applies to sports, dance and aquatics, combatives, fitness, health and nutrition and analyze the meaning of optimal health as it applies to our nation’s population.

Students must complete the following requirements:
- 60 semester or 90 quarter CSU-transferable units
- the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district.
- obtainment of a minimum grade point average (GPA) of 2.0.
- earn a grade of C or better in all courses required for the major or area of emphasis.

## Course ID Title Units

### Required Core Courses: 13 units

<table>
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<tr>
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<th>Title</th>
<th>Units</th>
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<tr>
<td>KINT 030</td>
<td>Introduction to Kinesiology</td>
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<tr>
<td>BIOL 047</td>
<td>Human Anatomy</td>
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<td>BIOL 048</td>
<td>Human Physiology</td>
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### Required Core: Movement Based Courses: 3-5 units; (minimum 3).
Select a maximum of one (1) course from any three (3) of the following areas for a minimum of three units.

#### Aquatics

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<td>KINS 2.04</td>
<td>Swimming-Beginning</td>
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<td>KINS 2.05</td>
<td>Swimming-Intermediate</td>
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<td>KINS 2.06</td>
<td>Swimming-Advanced</td>
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<tr>
<td>KINS 2.07</td>
<td>Master's Swimming</td>
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<tr>
<td>KINS 2.02</td>
<td>Lifeguard Training</td>
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#### Combatives

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<td>Karate-Beginning</td>
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<td>KINS 6.03</td>
<td>Self-Defense</td>
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<tr>
<td>KINS 6.06</td>
<td>Karate - Intermediate</td>
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<tr>
<td>KINS 6.07</td>
<td>Kickboxing</td>
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<tr>
<td>KINS 6.08</td>
<td>Boxing</td>
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<td>KINS 6.10</td>
<td>Karate - Advanced</td>
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<tr>
<td>KINS 6.01</td>
<td>MMA - Mixed Martial Arts</td>
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#### Dance

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<tr>
<td>DANC 003</td>
<td>Ballet: Intermediate</td>
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<tr>
<td>DANC 012</td>
<td>Jazz Dance: Beginning Level 2</td>
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<tr>
<td>DANC 013</td>
<td>Jazz Dance: Intermediate</td>
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<tr>
<td>DANC 022</td>
<td>Modern Dance: Beginning Level 2</td>
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<tr>
<td>DANC 023</td>
<td>Modern Dance: Intermediate</td>
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<tr>
<td>DANC 041</td>
<td>Ballroom and Latin Dance: Begin</td>
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<td>DANC 042</td>
<td>Ballroom and Latin Dance: Intermediate</td>
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<td>DANC 051A</td>
<td>World Dance: Flamenco of Spain, Beginning</td>
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<td>DANC 001</td>
<td>Ballet: Beginning Level 1</td>
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<tr>
<td>DANC 051B</td>
<td>World Dance: Flamenco of Spain, Intermediate</td>
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<td>DANC 011</td>
<td>Jazz Dance: Beginning Level 1</td>
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<tr>
<td>DANC 021</td>
<td>Modern Dance: Beginning Level 1</td>
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### Fitness

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<td>Fitness Aerobics</td>
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<td>KINS 4.13</td>
<td>Fitness Walking</td>
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<td>KINS 4.14</td>
<td>Fitness, Water Exercise</td>
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<td>KINS 4.16</td>
<td>Fitness Weight Training</td>
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<td>KINS 4.24</td>
<td>Total Fitness for Men</td>
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<td>KINS 4.29</td>
<td>Body Sculpting</td>
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<td>KINS 11.01</td>
<td>Yoga for Health</td>
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<td>KINS 11.08</td>
<td>Pilates Mat Workout</td>
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<td>KINS 11.09</td>
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<tr>
<td>KINS 11.04</td>
<td>Advanced Yoga</td>
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<tr>
<td>KINS 11.03</td>
<td>Gentle Restorative Exercise</td>
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<tr>
<td>KINS 11.02</td>
<td>Intermediate Yoga</td>
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<tr>
<td>KINS 4.35</td>
<td>Trail Running</td>
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<tr>
<td>KINS 4.33</td>
<td>Cardio Cross Training</td>
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<tr>
<td>KINS 4.32</td>
<td>Boot Camp</td>
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<td>KINS 4.31</td>
<td>Core Training</td>
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<td>KINS 4.30</td>
<td>Functional Fitness</td>
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<tr>
<td>KINS 4.20</td>
<td>Fitness, Weight Training II</td>
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<td>KINS 4.05</td>
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### Individual Sports

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<td>KINS 7.11</td>
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<tr>
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<td>Golf-Advanced</td>
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<td>KINS 7.23</td>
<td>Scuba Diving</td>
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<td>KINS 7.26</td>
<td>Studio Cycling</td>
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<td>Scuba Diving-Advanced</td>
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### Team Sports

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<tr>
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<td>Baseball/Softball-Advanced</td>
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• PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
# Kinesiology

**A.A. Degree**

The Associate of Arts in Kinesiology is a 60 unit program serving students seeking a lower division education in Kinesiology. The program provides students the opportunity to demonstrate a proficiency in human movement as it applies to physical education, health, and nutrition. The objective is to provide students the knowledge and skills needed for entry-level employment. Students must complete the following program requirements: 37 Units of major core courses and the General Education/Breadth Requirements for an A.A. Degree.

Upon successful completion of this program students will be able to:
- Apply dietary guidelines and current nutritional recommendations for various populations including athletes, older adults, and pre-natal women.
- Identify major muscle groups, their functions, and adaptations to exercise.
- Demonstrate proficiency in human movement as it applies to sports, dance, aquatics, marine diving, combatives, fitness, health, and nutrition.
- Analyze the basic principles of physical education and sport in our society and the role of these disciplines in the school, recreation, sport, and industrial settings.
- Critically analyze and evaluate the social and community factors that influence controllable and uncontrollable risk factors for developing chronic disease.

## Recommended Course Sequence:

**Fall or Winter, Year 1: 3 Units**
- KINT 030

**Fall, Year 1: 5 Units**
- BIOL 047

**Spring, Year 1: 9-10 Units**
- BIOL 048; Any Course from List A

**Fall, Year 2: 4-5 Units**
- Any Course from List A

**Spring, Year 2: 3-5 units**
- Any Course from Individual Sports OR Combatives OR Aquatics OR Team Sports OR Fitness OR Dance

## List A (select two): 8-10 units

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<td>CHEM 30A</td>
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<td>General Physics- Mechanics</td>
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<td>PHYS 004A</td>
<td>Engineering Physics-Mechanics</td>
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<td>BIOL 011</td>
<td>Human Biology</td>
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<td>NUTR 015</td>
<td>Human Nutrition</td>
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<tr>
<td>KINT 031</td>
<td>Psychological Foundations of Sport</td>
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<tr>
<td>KINT 032</td>
<td>Introduction to Coaching Sport</td>
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<tr>
<td>KINT 033</td>
<td>Women in Sports</td>
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<tr>
<td>HSCI 005</td>
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## Required Core Courses: 31 units

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<td>NUTR 015</td>
<td>Human Nutrition</td>
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<td>BIOL 048</td>
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<tr>
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## Kinesiology Activity Courses: 6 units

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<td>KINT 06</td>
<td>Swimming-Advanced</td>
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<tr>
<td>KINT 07</td>
<td>Master’s Swimming</td>
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<td>Fitness Weight Training</td>
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### Notes:
- ADVISORY is a recommended preparation, NOT a REQUIREMENT.
- This catalog is subject to change and may be incomplete. Please consult the addenda at westvalley.edu/catalog.
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<td>Self-Defense</td>
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<td>Kickboxing</td>
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<td>Intercollegiate Men’s Basketball-Post-Season Fundamentals</td>
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Recommended Electives

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<td>Women’s Intercollegiate Water Polo</td>
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<td>KINA 9.30</td>
<td>Intercollegiate Pre-Season Conditioning</td>
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<td>Athletic Baseball - Skills and Techniques</td>
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<td>Athletic Women’s Soccer - Skills and Techniques</td>
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<td>Yoga For Health</td>
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<td>Intermediate Yoga</td>
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<td>Gentle Restorative Exercise</td>
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<td>Lindy Hop &amp; Swing</td>
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<td>World Dance: Flamenco of Spain, Beginning</td>
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<td>Lifeguard Training</td>
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• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
KINT 033, Kinesiology Activity (Any Course from list)

Spring, Year 1 (9 Units):
BIOL 047, HSCI 005, KINT 030, NUTR 015

Fall, Year 1 (13 Units):
BIOL 048, KINT 032, Kinesiology Activity (Any Course from list)

Spring, Year 2 (5 Units):
KINT 033, Kinesiology Activity (Any Course from list)

**CERTIFIED PERSONAL TRAINER**
Certificate of Achievement

The Certified Personal Trainer Certificate program is designed to provide students with the theoretical knowledge and practical skills necessary to be successful in the field of personal training. In addition, this certificate will prepare students to sit for the National Association of Sport’s Medicine Personal Training examination.

With the completion of this certificate, students will be able to:
- demonstrate knowledge of personal training as a profession, and the skills, techniques, and industry standards required to become a personal trainer.

Sales and entrepreneurial opportunities are also available in the fitness, health, and wellness industry. After completing this 12 unit certificate program, students will be prepared for employment in this growing field as a certified personal trainer. The Certified Personal Trainer Certificate of Achievement requires the successful completion of a total of 12 units. This program provides Career Technical Education (CTE) opportunities in Personal Training. Students are presented the essentials to personal fitness training. Students are introduced to the human movement system, the Optimum Performance Training (OPT) model and other domains of exercise science, assessment, exercise technique and training instruction, program design, considerations in nutrition, client relations and behavioral coaching, professional development, practice, and responsibility. Upon successful completion of this program, students are prepared to complete the National Academy of Sports Medicine Certified Personal Trainer Examination. Successful completion of the NASM CPT exam and the West Valley College Certificate of Achievement provides students the opportunity for employment in the fitness industry as a Certified Personal Trainer. Employment opportunities include working at commercial fitness clubs, personal training studios, and entrepreneurial business owner or manager.

**PILATES INSTRUCTOR**
Certificate of Achievement

The Pilates Instructor Certificate of Achievement requires the successful completion of 13 units and an exploration into the field of kinesiology. This program provides Career Technical Education (CTE) opportunities in teaching the Pilates method of exercise. Students are presented the skills for training clients in a group setting or one-on-one. Students are introduced to the historical origins of Pilates, contemporary styles of Pilates, and Pilates for special populations. The comprehensive program includes instruction in the mat exercise series along with training on the reformer, cadillac, arcs, barrels, and chairs. Additional topics include fitness assessment, postural analysis, exercise technique, program design, nutrition, behavioral coaching, and client relations.

Upon completion of the program, students are prepared to instruct Pilates classes, perform a postural analysis, assess fitness levels, determine readiness for physical exercise, design safe and effective Pilates exercise programs, monitor progress, and adjust training protocols to meet client goals. Employment opportunities include working at a commercial health club, a Pilates studio, or as an entrepreneurial business owner or manager. Students are prepared to take the Pilates Method Alliance national exam.

Upon successful completion of the program, students are prepared to:
- Design and instruct Pilates exercise routines for healthy, aging, and special populations.
- Instruct clients on the Reformer, Cadillac, Chair, and barrels.

Upon successful completion of the Pilates Instructor Certificate of Achievement, students are prepared for employment in the fitness industry as a Pilates instructor.

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>KINT 042</td>
<td>Principles of Strength Training and Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>KINT 070</td>
<td>Principles of Exercise Prescription and Program Design</td>
<td>3</td>
</tr>
<tr>
<td>KINS 4.15</td>
<td>Practical Experience in Personal Training</td>
<td>1</td>
</tr>
<tr>
<td>KINS 4.16</td>
<td>Fitness Weight Training</td>
<td>1</td>
</tr>
<tr>
<td>KINS 4.19</td>
<td>Fitness Appraisal</td>
<td>1</td>
</tr>
<tr>
<td>KINS 4.20</td>
<td>Fitness, Weight Training II</td>
<td>1</td>
</tr>
<tr>
<td>HSCI 004</td>
<td>First Aid and CPR/AED</td>
<td>0.5</td>
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**CERTIFIED PERSONAL TRAINER**
Certificate of Achievement

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>HSCI 005</td>
<td>Responding to Emergencies: Comprehensive First Aid/CPR/AED</td>
<td>2</td>
</tr>
<tr>
<td>HITCH 004</td>
<td>Structure and Function of the Human Body</td>
<td>3</td>
</tr>
<tr>
<td>KINS 4.12</td>
<td>Fitness-Stretch and Flex</td>
<td>1</td>
</tr>
<tr>
<td>KINS 4.21</td>
<td>Fitness Weight Training</td>
<td>1</td>
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<tr>
<td>KINS 11.06</td>
<td>Pilates Reformer and Mat Instructor Training</td>
<td>3</td>
</tr>
<tr>
<td>KINT 030</td>
<td>Introduction to Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>KINT 038A</td>
<td>Introduction to Sports Medicine</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 015</td>
<td>Human Nutrition</td>
<td>3</td>
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**Total Certificate Units**
12

For crosswalk of new subject codes, see page 61

**Certified Personal Trainer**
Certificate of Achievement

- 37 Total Major Units
- Required Core Courses: 9 units
- Elective Courses: Complete a minimum of 3 units from the following:
- **Required Core Courses: 10 units**
  - KINS 11.06 Pilates Reformer and Mat Instructor Training
  - HITCH 004 Structure and Function of the Human Body
  - KINS 11.07 Pilates Cadillac, Chair and Barrels Instructor Training
  - KINS 11.10 Advanced Pilates Mat Workout with Reformer, Cadillac, and Chair
  - KINS 11.09 Intermediate Pilates Mat Workout

- **Required Elective: 3 Units**
  - NUTR 015 Human Nutrition
  - KINT 042 Principles of Strength Training and Conditioning

- **Recommended Course Sequence:**
  - Fall, Year 1: KINS 4.16, KINS 4.19, KINT 042, Any Course from Electives Courses
  - Spring, Year 1: KINS 4.15, KINT 070, Any Course from Electives Course

- **Additional units to meet the college graduation requirements.**

- **To be awarded an A.A. degree, a student must complete:**
  - 1. All the major requirements.
  - 2. Additional units to meet the college graduation requirements.

- **ADVISORY is a recommended preparation, NOT a REQUIREMENT.**

- **This catalog is subject to change and may be incomplete. Please consult the addenda at westvalley.edu/catalog/
Adapted Physical Education
Adapted Physical Education courses are designed for students with a temporary or permanent verifiable disability. The courses can be repeated and are free.

NCPE 1.30 ADAPTED FITNESS
54 hours
This adapted fitness course is designed for students with disabilities. Individualized exercise programs are created that focus on overall cardiovascular endurance, strength and flexibility training. The programs address the limitations of the individual’s disability. Emphasis is on encouraging independence through the teaching of lifelong fitness skills.

NCPE 1.31 ADAPTED AEROBIC EXERCISE
54 hours
This adapted fitness course is designed for students with disabilities. The course provides an opportunity for students to increase their overall cardiovascular endurance. Individualized programs address the limitations of the student’s disability. Emphasis is on encouraging independence through the teaching of lifelong cardiovascular endurance.

NCPE 1.32 ADAPTED CORE STRETCHING
54 hours
This adapted flexibility course is designed to meet the needs of students with disabilities. This course includes instruction in a variety of stretching exercises to enable a student to attain optimal range of motion. Guided gentle muscle stretching and core stabilizing exercises with an emphasis on proper body alignment, breathing techniques, and relaxation are addressed to encourage independence and develop lifelong fitness skills.

NCPE 1.33 ADAPTED AQUATICS
54 hours
This adapted non-credit physical education course is designed to meet the needs of students with disabilities. This class provides instruction in dynamic water exercises with a focus on the development of cardiovascular endurance, muscle strength, flexibility, and balance. Individualized swimming programs and water safety are included. Emphasis is on encouraging independence through the teaching of lifelong fitness skills.

NCPE 1.34 ADAPTED WEIGHT TRAINING
54 hours
This non-credit adapted weight training course is designed for students with disabilities. Individualized exercise programs are created that focus on basic weight training and strength development principles. The programs address the limitations of the individual’s disability. Emphasis is on encouraging independence through the teaching of lifelong fitness skills.

NCPE 1.35 ADAPTED FUNCTIONAL FITNESS
27 hours
This non-credit adapted functional fitness course is designed for students with disabilities. Individualized exercise programs are created that focus on the development of core strength, flexibility, and balance. Information is given regarding alternative equipment used for functional training. The programs address the limitations of the individual’s disability. Emphasis is on encouraging independence through the teaching of lifelong fitness skills.

NCPE 1.36 ADAPTED WATER MOVEMENT
27 hours
This non-credit adapted water movement course is designed to meet the needs of students with disabilities. This course focuses on the effects of water resistance and buoyancy on movement patterns in water. Individualized swimming programs and water safety are included. Emphasis is on encouraging independence through the teaching of lifelong fitness skills.

NCPE 1.37 ADAPTED GUIDED MOVEMENT
48-54 hours
This adapted guided movement course is designed to meet the needs of students with disabilities. This course guides students through a series of exercises using a variety of modalities to enhance proper alignment, balance, coordination, flexibility and strength. Individual modifications are made as needed. The course encourages independence through the teaching of lifelong fitness skills.

Aquatic Sports

KINS 2.02 LIFEGUARD TRAINING
1 unit
Lecture 0.5 units; lab 0.5 units
Advisory: Intermediate swimming proficiency, a minimum of swimming 500 yards continuously, is recommended. Acceptable for credit: University of California, California State University
This course provides students the opportunity to acquire skills necessary to save patrons in and around aquatic facilities and in general emergency situations. Successful completion of this course qualifies one for the American Red Cross Lifeguard Certification, First Aid, CPR, and AED. Red Cross Lifeguard Certification is valid for two years from the date of successful completion. Pass/No Pass Option

KINS 2.04 SWIMMING-BEGINNING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students with the opportunity to gain elementary swimming skills and knowledge in order to remain safe while in and around the water. Freestyle and side breathing are emphasized for beginning level swimmers. Pass/No Pass Option

KINS 2.05 SWIMMING-INTERMEDIATE
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course is designed to increase the watersmanship of the individual by adding to the skills learned in Beginning Swimming. This course provides students the opportunity for additional freestyle stroke work. Techniques for backstroke and breaststroke are introduced. An emphasis is placed on improving stamina and coordination. Pass/No Pass Option

KINS 2.06 SWIMMING-ADVANCED
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to gain swimming skills for butterfly and continue to develop the stroke techniques introduced in the intermediate level. Emphasis is on the development of swimming speed, endurance, and strength. Pass/No Pass Option
KINS 2.07 MASTER’S SWIMMING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to participate in a workout structured for competitive swimmers with emphasis on improving individual-stroke mechanics and mental preparation for competition. Pass/No Pass Option

Fitness
All fitness classes are designed to help the student develop positive attitudes and skills in one or more of the following aspects of fitness: improved cardiovascular conditioning, increased muscular endurance, greater joint flexibility, and the ability to obtain total relaxation.

KINS 4.03 FITNESS AEROBICS
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students with the opportunity to gain cardiovascular endurance. Activities include movement patterns incorporating hi-low impact aerobics, intervals, running, and international dance routines. Pass/No Pass Option

KINS 4.05 FITNESS, AQUA AEROBICS
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course will improve the student’s cardiovascular efficiency, increase muscular strength and endurance and further develop joint flexibility through the use of continuous, vigorous water activities and exercises. Pass/No Pass Option

KINS 4.07 FITNESS COMPETITIVE ATHLETE
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to properly train and condition their body for increased strength, flexibility and endurance for athletic competition. Pass/No Pass Option

• ADVISORY is a recommended preparation, NOT a REQUIREMENT.
• This catalog is subject to change and may be incomplete. Please consult the addenda at westvalley.edu/catalog/
KINS 4.12 FITNESS-STRETCH AND FLEX
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course explores the techniques, theory, and benefits of acquiring flexibility through a variety of stretching exercises. Particular attention is devoted to back care, core strength, functional movement screening (FMS), relaxation, proper breathing techniques, and muscle anatomy education with prescriptive stretching. Pass/No Pass Option

KINS 4.13 FITNESS WALKING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to explore the benefits of exercise through fitness walking and study the principles of exercise. Topics include how to increase cardiovascular conditioning, endurance, flexibility training, and methods of releasing body tension. Pass/No Pass Option

KINS 4.14 FITNESS, WATER EXERCISE
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students with the opportunity to gain muscular strength and endurance through water exercise. The workout is structured and performed in a pool. The exercises are low impact and are suitable for all fitness levels. Pass/No Pass Option.

KINS 4.15 PRACTICAL EXPERIENCE IN PERSONAL TRAINING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: California State University
This course provides students with the opportunity for practical applications and responsibilities of personal training. Topics include injury prevention, exercise prescription, and fitness assessments for program design. Pass/No Pass Option

KINS 4.16 FITNESS WEIGHT TRAINING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students with instruction in the various components of muscular strength and conditioning utilizing a variety of equipment and resistance training. Pass/No Pass Option

KINS 4.17 LIFETIME FITNESS LAB
1 unit
Lecture 0 units; lab 1 unit
Advisory: KNT 044
Acceptable for credit: University of California, California State University
This course provides students the opportunity to design a specific program based on personal fitness goals and objectives with an emphasis on improving strength, flexibility, cardiovascular endurance, and body composition. Pass/No Pass Option

KINS 4.19 FITNESS APPRAISAL
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course is designed to provide an increased self awareness of personal fitness levels and fitness concepts. It includes theories of fitness, lifestyle change, nutrition, weight management, and the development of a personal exercise program. Pass/No Pass Option

KINS 4.20 FITNESS, WEIGHT TRAINING II
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course is the second level of weight training for students that have completed Fitness, Weight Training 1. This intermediate course continues to build on what students have learned from Fitness, Weight Training 1. It also provides instruction in the various components of muscular strength using current trends in personal training. Topics include high intensity interval training, Cross-Fit protocols, and exercise prescription. Pass/No Pass Option

KINS 4.21 FITNESS WEIGHT TRAINING 3
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course is designed to provide students with instruction on various weight training methods to improve muscular strength and fitness through the programming of personal workout design. Weight training methods include Olympic lifts utilizing free weights, platforms, Pilates exercises on the reformer, TRX training, and circuit training. Additional topics include instruction in the different phases of exercise programming. Pass/No Pass Option

KINS 4.24 TOTAL FITNESS FOR MEN
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to gain cardiovascular conditioning, muscular strength, endurance, flexibility, and stress reduction. Emphasis is on training protocols for males. Pass/No Pass Option

KINS 4.25 TOTAL FITNESS FOR WOMEN
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to increase cardiovascular conditioning, muscular strength, endurance, flexibility, and stress reduction. Exercise routines emphasize the needs of women. Pass/No Pass Option

KINS 4.28 FITNESS JOGGING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to gain the benefits of exercise through fitness jogging. The principles of exercise relating to cardiovascular conditioning, muscle endurance, and flexibility are introduced. The workout is structured and the movements are set to music. Pass/No Pass Option

KINS 4.29 BODY SCULPTING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students with the opportunity to gain muscular strength and endurance through the use of free weights, body bars, and resistive types of exercises. The workout is structured and the movements are set to music. Pass/No Pass Option

KINS 4.30 FUNCTIONAL FITNESS
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to gain muscular strength, balance, coordination, speed, power, and agility by performing conditioning drills using plyometrics, medicine balls, agility domes, speed ladders, rebound balls, and yoga. Movement patterns are designed to improve skills for running, jumping, throwing, kicking, lunging, and swinging. These movement patterns are intended to prepare students to be functionally strong for competitive sports and active lifestyles. Pass/No Pass Option

• PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
KINS 4.31 CORE TRAINING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students with the opportunity to gain muscular strength for trunk stabilization. Movement patterns that strengthen the abdominals, obliques, hips and lower back are emphasized. Pass/No Pass Option

KINS 4.32 FITNESS, BOOT CAMP
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course will provide students with the opportunity to gain improved fitness, muscle strength, and endurance. This course will utilize campus grounds and incorporate exercise stations such as obstacle courses, hurdles, and rope climbing. Other training activities will include running, calisthenics, and jumping rope. Pass/No Pass Option

KINS 4.33 CARDIO CROSS TRAINING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to gain improved cardiovascular fitness, flexibility, and muscle strength. This course utilizes exercise equipment to improve cardiovascular fitness. Equipment includes the stairmaster, stationary bike, treadmill, seated rowing machine, elliptical, and other apparatuses. Pass/No Pass Option

KINS 4.35 TRAIL RUNNING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to gain the benefits of exercise through trail running. This course includes exercise protocols for agility, endurance, and flexibility as needed for outdoor sports. Pass/No Pass Option
KINS 4.36 EVERYDAY FOOD & FITNESS
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students with the opportunity to adopt a healthy, active lifestyle. The goals of the course are to educate students on the health risks associated with obesity, to promote an increase in students’ overall activity, to help students develop healthy body composition, to offer tools for students to modify health related behavior, and to improve their overall health and well being. Pass/No Pass Option

KINS 4.37 BARRE FITNESS
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to increase muscle strength, endurance, balance, and posture. This course incorporates fitness principles from Pilates, Yoga, and basic ballet moves for a full body workout using the barre, sponge balls, weighted balls, and mats. Pass/No Pass Option

KINS 4.40 CARDIO TENNIS
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students with the opportunity to gain improved cardiorespiratory fitness, flexibility, and strength while performing tennis skills. This course blends tennis techniques, drills, and training with cardiovascular, flexibility, and strengthening exercises. The emphasis is on training for speed, agility, and endurance. Pass/No Pass Option

KINS 4.41 SPEED, PLYOMETRICS, AGILITY AND QUICKNESS LEVEL 1
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to gain awareness of basic movement patterns and principles for sports involving running. These movement principles include proper technique, balance, and biomechanics. Movement patterns include agility, quickness, and endurance. Movement principles are applied to competitive sport activities such as cross-country running, track and field, soccer, baseball, softball, and football. Pass/No Pass Option
KINS 4.42 SPEED, PLYOMETRICS, AGILITY AND QUICKNESS LEVEL 2
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to enhance their athletic movement patterns. The primary focus is speed, activation, and agility. These movement patterns enhance athletic performance in competitive sports such as soccer, swimming, basketball, lacrosse, and water polo. Pass/No Pass Option

KINS 4.43 SPEED, PLYOMETRICS, AGILITY AND QUICKNESS LEVEL 3
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to gain awareness of movement patterns and principles for sports that require power and jumping. Training principles include plyometrics, high intensity interval training (HIIT), and sprint interval training (SIT). Sports that require speed and jumping ability include volleyball, basketball, soccer, lacrosse, gymnastics, baseball, softball, and water polo. Pass/No Pass Option

Combatives and Martial Arts

KINS 6.01 MMA – MIXED MARTIAL ARTS
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course introduces students to the sport skills of mixed martial arts that combines both stand-up and grappling techniques. Students are given the opportunity to develop skills in punching, kicking and knee strikes. Students train with pads, striking bags and partners. Students are given the opportunity to develop grappling skills including clinch work, takedowns, submission, sweeps, and escapes. Pass/No Pass Option

KINS 6.02 KARATE-BEGINNING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to develop beginning Karate skills and knowledge with a focus on kihon and kata. Beginning self-defense techniques and the Dojo Kun are presented. Pass/No Pass Option

KINS 6.03 SELF-DEFENSE
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course introduces the skills and philosophies of self-defense. Methods and techniques for recognizing and avoiding dangerous situations are presented. Karate techniques are also emphasized. Students have the opportunity to learn a sense of awareness and practical self-protection techniques in relations to gender, body type, and strength. Pass/No Pass Option

KINS 6.06 KARATE-INTERMEDIATE
1 unit
Lecture 0 units; lab 1 unit
Advisory: KINS 6.02
Acceptable for credit: University of California, California State University
This course provides students the opportunity to develop greater proficiency in karate skills and kime. History, origins, and techniques of Shotokan and Gichin Funakoshi are explored. Pass/No Pass Option

KINS 6.07 KICKBOXING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course introduces the skills used in competitive kickboxing. Training includes conditioning skills and drills for kicks, punches, blocks, and stances. Flexibility exercises are included. Sparring drills, bag work, timing, and focus training are emphasized. Pass/No Pass Option

KINS 6.08 BOXING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to gain cardio-respiratory fitness, strength, and flexibility through boxing techniques. Stances, punching, combinations, blocks, and sparring drills will be presented. The rules of sport boxing are introduced. Sport boxing training techniques are emphasized. Pass/No Pass Option

KINS 6.10 KARATE – ADVANCED
1 unit
Lecture 0 units; lab 1 unit
Advisory: Intermediate Karate
Acceptable for credit: University of California, California State University
This course provides students the opportunity to develop advanced techniques of karate including punches, kicks, strikes, blocks, stances and combinations. Students are also given the opportunity to develop advanced self-defense and sparring skills. Pass/No Pass Option

Lifetime Sports

Lifetime Sports classes are designed to teach skills in sports activities in which the student can experience lifelong participation.

KINS 7.02 BADMINTON-BEGINNING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course introduces students to the fundamentals of badminton and the strategies of the game at a beginning level. Pass/No Pass Option

KINS 7.03 BADMINTON-INTERMEDIATE
1 unit
Lecture 0 units; lab 1 unit
Advisory: KINS 7.02
Acceptable for credit: University of California, California State University
This course provides students the opportunity to master individual skills and strategies of badminton to include the clear stroke, doubles play, and additional serving techniques. Pass/No Pass Option

KINS 7.10 GOLF-BEGINNING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to learn beginning golf skills and knowledge needed to play golf. Pass/No Pass Option

KINS 7.11 GOLF-INTERMEDIATE
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course is designed to help intermediate golfers develop more advanced skills in the game of golf. A greater emphasis is placed on the technical aspects of the swing. Pass/No Pass Option

KINS 7.12 GOLF-ADVANCED
1 unit
Lecture 0 units; lab 1 unit
Advisory: KINS 7.11
Acceptable for credit: University of California, California State University
This course provides students the opportunity to develop advanced golf techniques in a practical and realistic atmosphere. Lab sessions are presented at the golf course. Emphasis is on the social values of the game and an introduction to various scoring methods and types of tournament play. Pass/No Pass Option

**ADVISORY is a recommended preparation, NOT a REQUIREMENT.**

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KINS 7.18 BEGINNING TENNIS
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course includes instruction on the basic fundamentals of tennis and provides students the opportunity to master ground strokes skills. Mastery of these skills will enable the student to progress to the next level of tennis. Pass/No Pass Option

KINS 7.20 INTERMEDIATE TENNIS
1 unit
Lecture 0 units; lab 1 unit
Advisory: KINS 7.19
Acceptable for credit: University of California, California State University
Intermediate tennis is designed to provide students the opportunity for greater insight into the game with the addition of ball spin into ground stroke skills. Mastery of these skills will enable the student to progress to the next level of tennis.

KINS 7.21 ADVANCED TENNIS
1 unit
Lecture 0 units; lab 1 unit
Advisory: KINS 7.20
Acceptable for credit: University of California, California State University
This course provides students the opportunity to develop advanced tennis skills and strategies. The emphasis is on the use of power in serves and ground strokes. Pass/No Pass Option

KINS 7.23 SCUBA DIVING
2 units
Lecture 1.5 units; lab 0.5 units
Acceptable for credit: University of California, California State University
This course provides the opportunity for students to learn the knowledge and skills of SCUBA Diving. Satisfactory completion of this course can lead to international SCUBA certification. For the health and safety of the student this course may include a health survey and/or a swim test. Students successfully completing Open Water training may qualify for dive certification.

• PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
KINS 7.24 SCUBA DIVING-ADVANCED
2 units
Lecture 1.5 units; lab 0.5 units
Advisory: Recommended internationally recognized certification as an open water SCUBA Diver.
Acceptable for credit: University of California, California State University
This course provides students the opportunity to improve their knowledge and skills of SCUBA and Marine Diving Technology. Satisfactory completion of this course can lead to international SCUBA certification in Advanced, Rescue and Nitrox. It is recommended that students have an internationally recognized certification as an open water SCUBA Diver prior to taking this course. Pass/No Pass Option

KINS 8.05 INTERMEDIATE BASKETBALL
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course introduces intermediate level basketball skills. Content includes strategies for team play, screening, spacing, and offensive movement. This course enhances the basic skills introduced at the beginning level. Pass/No Pass Option

KINS 8.06 ADVANCED BASKETBALL
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course introduces advanced techniques in basketball. Topics include defensive strategies for team and individual competition. Emphasis is on man to man and zone defense. Half court and full court techniques are also introduced. Pass/No Pass Option

KINS 8.08 SOCCER-BEGINNING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to learn basic skills, strategies, and techniques of soccer participation. This course emphasizes dribbling, kicking, and passing. Pass/No Pass Option

KINS 8.09 SOCCER-ADVANCED
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course introduces advanced skills in soccer and includes diving, heading, and free throw. This course is designed to develop individual skills which can be incorporated into a relatively high level of team participation. Pass/No Pass Option

KINS 8.10 SOCCER-INTERMEDIATE
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to develop the skills, strategies, and athletic ability necessary for participation in soccer. This intermediate level of participation includes sports psychology techniques for optimal performance and team cohesion. Pass/No Pass Option

KINS 8.12 BASEBALL/SOFTBALL-BEGINNING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to develop softball skills and participate on a softball team in a class setting. Softball skills for the beginning player include fielding the ball, throwing, running, and hitting. Pass/No Pass Option

KINS 8.13 BASEBALL/SOFTBALL-INTERMEDIATE
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to develop intermediate baseball and softball skills for pitching and bunting. This course includes competitive team play. Pass/No Pass Option

KINS 8.15 VOLLEYBALL-BEGINNING SKILLS
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to learn volleyball skills for passing, setting, serving, and hitting at the beginning level. Pass/No Pass Option

Team Sports

KINS 8.03 BASEBALL/SOFTBALL-ADVANCED
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to develop advanced baseball and softball skills and techniques for throwing, catching, batting, and bunting. Pass/No Pass Option

KINS 8.04 BEGINNING BASKETBALL
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course is designed to teach the basic skills, techniques, rules, and strategies of basketball. Pass/No Pass Option

KINS 8.06 ADVANCED BASKETBALL
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course introduces advanced basketball skills. Topics include defensive strategies for team and individual competition. Emphasis is on man to man and zone defense. Half court and full court techniques are also introduced. Pass/No Pass Option

KINS 8.09 SOCCER-ADVANCED
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course introduces advanced skills in soccer and includes diving, heading, and free throw. This course is designed to develop individual skills which can be incorporated into a relatively high level of team participation. Pass/No Pass Option

KINS 8.10 SOCCER-INTERMEDIATE
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to develop the skills, strategies, and athletic ability necessary for participation in soccer. This intermediate level of participation includes sports psychology techniques for optimal performance and team cohesion. Pass/No Pass Option

KINS 8.12 BASEBALL/SOFTBALL-BEGINNING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to develop softball skills and participate on a softball team in a class setting. Softball skills for the beginning player include fielding the ball, throwing, running, and hitting. Pass/No Pass Option

KINS 8.13 BASEBALL/SOFTBALL-INTERMEDIATE
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to develop intermediate baseball and softball skills for pitching and bunting. This course includes competitive team play. Pass/No Pass Option

KINS 8.15 VOLLEYBALL-BEGINNING SKILLS
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to learn volleyball skills for passing, setting, serving, and hitting at the beginning level. Pass/No Pass Option
KINS 8.16 VOLLEYBALL-INTERMEDIATE SKILLS
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course is designed to teach skills, strategies, and techniques of doubles sand volleyball. Topics include drills for passing, setting, serving, hitting, and blocking. All fitness levels are encouraged to enroll. Pass/No Pass Option

KINS 8.17 VOLLEYBALL-ADVANCED SKILLS
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to further develop volleyball skills. An emphasis is placed on blocking fast hits, specialty serves, and offensive and defensive formations. Pass/No Pass Option

KINS 8.18 BEACH VOLLEYBALL
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course is designed to teach skills, strategies, and techniques of doubles sand volleyball. Topics include drills for passing, setting, serving, hitting, and blocking. All fitness levels are encouraged to enroll. Pass/No Pass Option

KINS 8.20 INTRODUCTION TO SPORT FUNDAMENTALS
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course emphasizes the basic development of general athleticism and total fitness associated with sport competition. The five components of fitness are explored and applied to each individual. Pass/No Pass Option

KINS 8.21 FUNDAMENTALS OF SPORT-BEGINNING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course emphasizes the development of the athletic skills and knowledge associated with sports. This course provides student athletes an opportunity to develop speed, agility, power, and strength as a means to prepare for future athletic competition. Pass/No Pass Option

KINS 8.22 FUNDAMENTALS OF SPORT-INTERMEDIATE
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course emphasizes all aspects of building a cohesive team environment including problem solving, risk taking, cooperation, leadership, and trust. This course introduces a student athlete to offensive and defensive aspects of sport competition. Pass/No Pass Option

KINS 8.23 FUNDAMENTALS OF SPORT-ADVANCED
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides student athletes an opportunity to prepare for collegiate competition. Topics include pre-game meal planning, mental preparation, and offensive and defensive strategies. Students are exposed to concepts in sportsmanship, academic progress, and the rules and standards of the COA. Pass/No Pass Option

KINS 8.01 INTERCOLLEGIATE BASEBALL-MEN
3 units
Lecture 0 units; lab 3 units
Advisory: KINS 8.03
Acceptable for credit: University of California, California State University
This course provides intercollegiate baseball competition. Students are given the opportunity to develop a high degree of baseball skills and demonstrate these skills in game situations. Students are also given the opportunity to develop an increased level of fitness that will allow them to compete at the intercollegiate level. Pass/No Pass Option

KINS 8.02 INTERCOLLEGIATE BASKETBALL-MEN
1.5 units
Lecture 0 units; lab 1.5 units
Acceptable for credit: University of California, California State University
This course provides intercollegiate basketball competition. Students are given the opportunity to develop a high degree of basketball skills and demonstrate these skills in game situations. Students are also given the opportunity to develop an increased level of fitness that will allow them to compete at the intercollegiate level. Pass/No Pass Option

KINS 8.03 INTERCOLLEGIATE MEN'S BASKETBALL-POST-SEASON FUNDAMENTALS
1.5 units
Lecture 0 units; lab 1.5 units
Acceptable for credit: University of California, California State University
This course provides student athletes the opportunity to compete in men's basketball conference play and playoffs during spring semester. Topics include focus on competitive skills needed for championship games and fitness components for a successful career in athletics. Pass/No Pass Option

KINS 8.04 INTERCOLLEGIATE TENNIS-WOMEN
3 units
Lecture 0 units; lab 3 units
Acceptable for credit: University of California, California State University
This course is designed for intercollegiate women's tennis competition. Students are given the opportunity to develop tennis skills and demonstrate these skills in a match situation. These skills include groundstrokes, volleys, and offensive and defensive techniques. Students are also given the opportunity to develop an increased level of cardiovascular fitness, speed, agility, and flexibility. Pass/No Pass Option

KINA 9.01 INTERCOLLEGIATE BASEBALL-MEN
3 units
Lecture 0 units; lab 3 units
Advisory: KINS 8.03
Acceptable for credit: University of California, California State University
This course provides intercollegiate baseball competition. Students are given the opportunity to develop a high degree of baseball skills and demonstrate these skills in game situations. Students are also given the opportunity to develop an increased level of fitness that will allow them to compete at the intercollegiate level. Pass/No Pass Option

KINA 9.02 INTERCOLLEGIATE BASKETBALL-MEN
1.5 units
Lecture 0 units; lab 1.5 units
Acceptable for credit: University of California, California State University
This course provides intercollegiate basketball competition. Students are given the opportunity to develop a high degree of basketball skills and demonstrate these skills in game situations. Students are also given the opportunity to develop an increased level of fitness that will allow them to compete at the intercollegiate level. Pass/No Pass Option

KINA 9.03 INTERCOLLEGIATE MEN'S BASKETBALL-POST-SEASON FUNDAMENTALS
1.5 units
Lecture 0 units; lab 1.5 units
Acceptable for credit: University of California, California State University
This course provides student athletes the opportunity to compete in men's basketball conference play and playoffs during spring semester. Topics include focus on competitive skills needed for championship games and fitness components for a successful career in athletics. Pass/No Pass Option

KINA 9.04 INTERCOLLEGIATE TENNIS-WOMEN
3 units
Lecture 0 units; lab 3 units
Acceptable for credit: University of California, California State University
This course is designed for intercollegiate women's tennis competition. Students are given the opportunity to develop tennis skills and demonstrate these skills in a match situation. These skills include groundstrokes, volleys, and offensive and defensive techniques. Students are also given the opportunity to develop an increased level of cardiovascular fitness, speed, agility, and flexibility. Pass/No Pass Option

KINA 9.07 INTERCOLLEGIATE SOCCER-MEN
3 units
Lecture 0 units; lab 3 units
Prerequisite: KINA 9.30 or KINA 9.47
Acceptable for credit: University of California, California State University
This course provides intercollegiate men's soccer competition. Students are given the opportunity to develop a high degree of soccer skills and demonstrate these skills in a match situation. These skills include offensive and defensive techniques, and rules of the game. Students are also given the opportunity to develop an increased level of cardiovascular fitness that will allow them to compete at the intercollegiate level. Pass/No Pass Option

KINA 9.08 INTERCOLLEGIATE SOCCER-WOMEN
3 units
Lecture 0 units; lab 3 units
Acceptable for credit: University of California, California State University
This course is designed for intercollegiate women's soccer competition. Students are given the opportunity to develop soccer skills and demonstrate these skills in a match situation. These skills include offensive and defensive techniques, kicking, dribbling. Students are also given the opportunity to develop an increased level of cardiovascular fitness that will allow them to compete at the intercollegiate level. Pass/No Pass Option

Athletics
West Valley College is a member of the Coast Conference of the California Community and Junior College Association. The college competes in conference competition for both men and women. A materials fee is required in each sport.

• PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
KINA 9.09 INTERCOLLEGIATE SOFTBALL-WOMEN
3 units
Lecture 0 units; lab 3 units
Acceptable for credit: University of California, California State University
This course provides intercollegiate softball competition. Students are given the opportunity to develop a high degree of softball skills and demonstrate these skills in game situations. Students are also given the opportunity to develop an increased level of fitness that will allow them to compete at the intercollegiate level. Pass/No Pass Option

KINA 9.10 INTERCOLLEGIATE SWIMMING-MEN
3 units
Lecture 0 units; lab 3 units
Advisory: KINS 2.06 or interscholastic h.s. or club participation
Acceptable for credit: University of California, California State University
This course provides intercollegiate swimming competition. Students are given the opportunity to develop a high degree of competitive swimming skills and the opportunity to demonstrate these skills during intercollegiate competition. Students are also given the opportunity to develop a level of fitness that will allow them to compete at the intercollegiate level. Pass/No Pass Option

KINA 9.11 INTERCOLLEGIATE SWIMMING-WOMEN
3 units
Lecture 0 units; lab 3 units
Advisory: KINS 2.06 or interscholastic h.s. or club participation
Acceptable for credit: University of California, California State University
This course provides intercollegiate swimming competition. Students are given the opportunity to develop a high degree of competitive swimming skills and the opportunity to demonstrate these skills during intercollegiate competition. Students are also given the opportunity to develop a level of fitness that will allow them to compete at the intercollegiate level. Pass/No Pass Option

KINA 9.16 INTERCOLLEGIATE BEACH VOLLEYBALL-WOMEN
3 units
Lecture 0 units; lab 3 units
Acceptable for credit: University of California, California State University
This course provides student athletes an opportunity to compete in beach volleyball. The skills and techniques needed for intercollegiate athletic performance are emphasized. Rules, etiquette, and COA standards are also discussed. Pass/No Pass Option
KINA 9.17 INTERCOLLEGIATE VOLLEYBALL-WOMEN
3 units
Lecture 0 units; lab 3 units
Acceptable for credit: University of California, California State University
This course provides intercollegiate women’s volleyball competition. Students are given the opportunity to develop a high degree of volleyball skills and demonstrate these skills in match situations. Students are also given the opportunity to develop an increased level of fitness that will allow them to compete at the intercollegiate level. Pass/No Pass Option

KINA 9.18 INTERCOLLEGIATE WATER POLO-MEN
3 units
Lecture 0 units; lab 3 units
Acceptable for credit: University of California, California State University
This course provides intercollegiate competition for male student athletes in water polo. Students are given the opportunity to develop water polo skills and demonstrate these skills in match situations. These skills include offensive and defensive techniques, passing, blocking, and strategy. An overview of the rules of the game are included. Students are also given the opportunity to develop an increased level of cardiovascular fitness that will allow them to compete at the intercollegiate level. Pass/No Pass Option

KINA 9.20 WOMEN’S INTERCOLLEGIATE WATER POLO
3 units
Lecture 0 units; lab 3 units
Acceptable for credit: University of California, California State University
This course provides intercollegiate competition for women in Water Polo. Students are given the opportunity to develop a high degree of water polo skills and demonstrate these skills in match situations. These skills include offensive and defensive techniques, and rules of the game. Students are also given the opportunity to develop an increased level of cardiovascular fitness that will allow them to compete at the intercollegiate level. Pass/No Pass Option

KINA 9.30 INTERCOLLEGIATE PRE-SEASON CONDITIONING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course is for students competing in Intercollegiate athletics. The course is designed to get the student athlete ready for the season of competition by improving fitness, strength, and flexibility to help minimize the potential of injury. Pass/No Pass Option

KINA 9.31 ATHLETIC TENNIS-SKILLS AND TECHNIQUES
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
The course provides opportunity for students to develop advanced intercollegiate tennis skills and techniques. This course provides instruction in tennis specific rules, techniques, equipment, facilities management, etiquette, and safety. In addition, students are given the opportunity to apply nutrition, flexibility, and strength training concepts to improve their tennis skills. Pass/No Pass Option

KINA 9.41 ATHLETIC BASEBALL - SKILLS AND TECHNIQUES
2 units
Lecture 0 units; lab 2 units
Acceptable for credit: University of California, California State University
This is an advanced development of athletic baseball skills and techniques course. The course provides instruction in baseball specific rules, techniques, equipment and facilities management, etiquette, and safety. In addition, students are given the opportunity to apply nutrition, flexibility, and strength training concepts to improve their skills. Pass/No Pass Option

KINA 9.42 ATHLETIC BASKETBALL - SKILLS AND TECHNIQUES
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
The course provides the opportunity for students to develop advanced intercollegiate basketball skills and techniques. This course provides instruction in basketball specific rules, techniques, equipment and facilities management, etiquette and safety. In addition, students are given the opportunity to apply nutrition, flexibility, and strength training concepts to improve their skill level. Pass/No Pass Option

KINA 9.49 ATHLETIC SOFTBALL - SKILLS AND TECHNIQUES
2 units
Lecture 0 units; lab 2 units
Acceptable for credit: University of California, California State University
The course provides the opportunity for students to develop advanced intercollegiate women’s softball skills and techniques. This course provides instruction in softball specific rules, techniques, equipment and facilities management, etiquette and safety. In addition, students are given the opportunity to apply nutrition, flexibility, and strength training concepts to improve their skill level. Pass/No Pass Option

KINA 9.54 ATHLETIC MEN’S WATER POLO - SKILLS AND TECHNIQUES
1 unit
Lecture 0 hours; lab 1 unit
Acceptable for credit: University of California, California State University
The course provides the opportunity for students to develop advanced intercollegiate water polo skills and techniques. This course provides instruction in water polo specific rules, techniques, equipment, facilities management, etiquette, and safety. In addition, students are given the opportunity to apply nutrition, strength training, flexibility, and proper swimming mechanics to improve their athletic performance. Pass/No Pass Option

KINA 9.56 ATHLETIC WOMEN’S WATER POLO - SKILLS AND TECHNIQUES
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
The course provides the opportunity for students to develop advanced intercollegiate water polo skills and techniques. This course provides instruction in water polo specific rules, techniques, equipment and facilities management, etiquette and safety. In addition, students are given the opportunity to apply nutrition, strength training, flexibility, and proper swimming mechanics to improve their skill level. Pass/No Pass Option

• PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
KINA 9.60 POST SEASON CONDITIONING
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course offers students the opportunity to train in their sport during the off-season. This course utilizes various training protocols for post-season athletes who need more training or need injury recovery. Concepts in nutrition, hydration, and environmental effects on athletic training are introduced. Pass/No Pass Option

Mind/Body/Wellness

KINS 11.01 YOGA FOR HEALTH
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course emphasizes the physical practice of yoga exercises. This course provides students the opportunity for gentle muscle stretching and increased range of motion around the joints. This course includes breathing and relaxation techniques. Pass/No Pass Option

KINS 11.02 INTERMEDIATE YOGA
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity to practice intermediate yoga postures including neutral spine, standing poses, forward bends, twists, inversions and extensions. This class includes relaxation and breathing techniques. Intermediate yoga moves deeper into the spirit of Hatha yoga and explores how the virtues of yogic philosophy can be integrated into the physical practice. Pass/No Pass Option

KINS 11.03 GENTLE RESTORATIVE EXERCISE
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students the opportunity for gentle muscle stretching and increased range of motion around the joints. This course includes breathing and relaxation techniques for stress reduction. Pass/No Pass Option

KINS 11.04 ADVANCED YOGA
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students with the opportunity to gain muscular strength and endurance. Flex bands, foam rollers, and fitness circles are added to the exercises to improve posture, body alignment, and flexibility. Benefits include strength, balance, body awareness, and relaxation. Pass/No Pass Option

KINS 11.05 MINDFUL MEDITATION
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
The course is an introduction to the theory, practice, techniques, and benefits of mindfulness meditation. This course includes science-based evidence supporting practice techniques and benefits, body scan, awareness, informal and formal mindfulness techniques, and personal practice. Pass/No Pass Option

KINS 11.06 PILATES REFORMER AND MAT INSTRUCTOR TRAINING
3 units
Lecture 1 unit; lab 2 units
Acceptable for credit: California State University
This course introduces students to a variety of Pilates exercise techniques on the reformer and mat. Topics include the history, methods, principles, and techniques involved in the original and contemporary exercise sequence on the mat and on the reformer. The techniques of teaching the exercises are emphasized. This course is a required course in the Pilates Instructor Certificate of Achievement. Successful completion of the certification provides students the opportunity to work in the fitness industry as a Pilates instructor. Pass/No Pass Option

KINS 11.07 PILATES CADILLAC, CHAIR AND BARRELS INSTRUCTOR TRAINING
2 units
Lecture 1 unit; lab 1 unit
This course introduces students to a variety of Pilates exercise techniques on the Cadillac, Stability Chair, Arc Barrel, and Ladder Barrel. Topics include the history, methods, principles, and techniques involved in the original and contemporary exercise sequence on the Cadillac, Stability Chair, Arc Barrel, and Ladder Barrel. Pass/No Pass Option

KINS 11.08 PILATES MAT WORKOUT
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students with the opportunity to gain muscular strength and endurance. The exercises are designed to improve posture, body alignment and flexibility. Benefits include strength, balance, body awareness, and relaxation. Pass/No Pass Option

KINS 11.09 INTERMEDIATE PILATES MAT WORKOUT
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students with the opportunity to gain core strength and endurance. Flex bands, foam rollers, and fitness circles are added to the exercises to improve posture, body alignment, and flexibility. Benefits include strength, balance, body awareness, and relaxation. Pass/No Pass Option

KINS 11.10 ADVANCED PILATES MAT WORKOUT WITH REFORMER, CADILLAC, AND CHAIR
1 unit
Lecture 0 units; lab 1 unit
Acceptable for credit: University of California, California State University
This course provides students with the opportunity to gain core strength, muscular endurance, and flexibility while performing advanced Pilates exercises on the mat. Large apparatuses are introduced to further explore corrective exercises for functional fitness and athletic performance. This course introduces the proper use of the reformer, Cadillac, and chair. Pass/No Pass Option

Marine Diving Education

KINS 12.03 DIVE MASTER
2 units
Lecture 1.5 units; lab 0.5 units
Advisory: A certification with a nationally recognized dive agency with the Assistant Instructor rating is recommended. Acceptable for credit: University of California, California State University
This course provides students the opportunity to gain the skills, knowledge, and experience required to administer leadership for groups of certified divers during SCUBA diving activities. This course provides an overview of diving equipment, function and maintenance. This course includes skills for successful boat diving, boat handling, and seamanship. Pass/No Pass Option
KIN 12.04 ASSISTANT SCUBA INSTRUCTOR
2 units
Lecture 1.5 units; lab 0.5 units
Advisory: NAUI certified Master Diver or equivalent rating.
Acceptable for credit: University of California, California State University
This course provides students the opportunity to acquire the skills, knowl-
edge, and experience needed to assist in all phases of SCUBA instruction.
The course covers teaching standards, skills, and techniques for effective
teaching of marine diving education. Pass/No Pass Option

KINS 12.20 OPEN WATER DIVER
1.5 units
Lecture 1 unit; lab 0.5 units
Corequisites: KINS 7.23 Concurrently enroll in KINS 7.23 or provide instructor
documentation of equivalency.
Acceptable for credit: University of California, California State University
This course provides students the opportunity to acquire knowledge and
skills needed to SCUBA dive in open water. Upon successful completion of
this course, students will have an opportunity to qualify for an Open Water
Diver SCUBA certification. Pass/No Pass Option

KINS 12.21 SPECIALTY DIVER
1.5 units
Lecture 1 unit; lab 0.5 units
Prerequisite: Students need to document successful completion of Open Water
Diver certification dives.
Advisory: KIN 7.24 and KIN 12.22
Acceptable for credit: University of California, California State University
This course provides students the opportunity to obtain skills of specialized
diving in open water. This course emphasizes deep water diving, limited
visibility diving, search and recovery, and underwater navigation systems.
Upon successful completion of this course, students are awarded the NAUI
Specialty Diver certification. Pass/No Pass Option

KINS 12.22 ADVANCED MARINE DIVER
1.5 units
Lecture 1 unit; lab 0.5 units
Corequisites: KINS 7.24 Concurrent enrollment in 7.24 or provide instructor
documentation of equivalency.
Acceptable for credit: University of California, California State University
This course provides students the opportunity to acquire advanced knowl-
edge and skills needed to SCUBA dive in open water. Topics include Dive
Rescue, First Aid, CPR, and the use of Nitrox. Upon successful completion of
this course, students qualify for an Advanced Open Water Diver SCUBA
certification. Pass/No Pass Option

Kinesiology Theory
See Kinesiology for list of Faculty

Learning Outcomes
After completing courses in Physical Education Theory, a student will be able to:
• Identify one or more physical education theory-related factors which influ-
ence individual and community health behaviors;
• Identify immediate and long range effects of physical education and health
related behaviors;
• Select valid, reliable, and credible sources of information about physical
education theory, health needs, interests and concerns.

KINT 030 INTRODUCTION TO KINESIOLOGY
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
C-ID KIN 100
This course is an introduction to the interdisciplinary approach to the study
of human movement. An overview of the importance of the sub-disciplines in
kinesiology will be discussed along with career opportunities in the areas of
teaching, coaching, allied health, and fitness professions. Pass/No Pass Option

KINT 031 PSYCHOLOGICAL FOUNDATIONS OF SPORT
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
This course provides an introduction to psychological concepts, strategies,
and skills designed to help individuals overcome the barriers to optimal ath-
letic performance. Skills such as imagery, goal setting, cognitive restructur-
ing, attentional focusing, arousal regulation, and coping are presented. This
course provides students an opportunity to establish a goal and work toward
it by implementing concepts in sport psychology. Pass/No Pass Option

KINT 032 INTRODUCTION TO COACHING SPORT
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: California State University
Coaching Sports focuses on the components and characteristics of
coaches and sport programs. Students have an opportunity to examine
and develop coaching techniques, styles and philosophies pertaining to the
planning, management and competition in sports. Pass/No Pass Option

KINT 033 WOMEN IN SPORTS
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
This course provides students with the chronological history, analysis, and
interpretation, of people, events, and issues that affect women in sport, in
past and present day society. Physiological, sociological, and psychological
aspects of the female athlete as related to sports, history, and education
are introduced. Students gain an understanding of significant events of
women in athletics and the impact on their future participation. Pass/No
Pass Option

KINT 035 LEADERSHIP DEVELOPMENT OF
THE STUDENT ATHLETE
2 units
Lecture 2 units; lab 0 units
Acceptable for credit: California State University
This course is designed to assist first year student-athletes toward aca-
demic and athletic success. This course emphasizes necessary require-
mments for degree completion, transfer, or professional employment while
competing in intercollegiate sports. Topics include CCCAA, NAIA, and
NCAA rules and eligibility requirements, how to transfer, getting recruited,
scholarship and financial aid applications, leadership training, career
choices, and social responsibilities. Sports nutrition and injury prevention
are also explored. Pass/No Pass Option

• PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
• Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
KINT 038A INTRODUCTION TO SPORTS MEDICINE
3 units (Offered Fall semester only)
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
This course introduces students to the concepts of athletic training. Topics include prevention, management, treatment, and rehabilitation of sports injuries. Techniques for adhesive strapping and protective padding are included. Pass/No Pass Option

KINT 039A SPORTS INJURY MANAGEMENT
2 units (Offered Fall semester only)
Lecture 1 unit; lab 1 unit
Advisory: HSCI 005
Acceptable for credit: California State University
This course focuses on basic sports medicine techniques, athletic training room operation, immediate recognition and treatment and rehabilitation of injuries unique to fall sports which consist of soccer, basketball, volleyball and water polo. Pass/No Pass Option

KINT 042 PRINCIPLES OF STRENGTH TRAINING AND CONDITIONING
3 units (Offered Spring semester only)
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
This course covers the principles of strength training and conditioning. Emphasis is on the Optimal Performance Training (OPT) Model which includes basic exercise science, functional human movement, core and flexibility training, and resistance training. Pass/No Pass Option

KINT 044 LIFETIME FITNESS
3 units
Lecture 3 units; lab 0 units
Acceptable for credit: University of California, California State University
This course provides the student with an opportunity to understand and apply the development, maintenance, and assessment of cardiovascular endurance, strength, and flexibility. Course content includes: theories of fitness, lifestyle changes, nutrition, weight management, and the development of an exercise program that may lead to a healthier lifestyle. Students are given the opportunity to participate in lab activities consisting of a variety of fitness tests and measurements. Pass/No Pass Option

KINT 070 PRINCIPLES OF EXERCISE PRESCRIPTION AND PROGRAM DESIGN
3 units
Lecture 3 unit; lab 0 unit
Advisory: KINT 042
Acceptable for credit: University of California, California State University
This course provides students the opportunity for understanding the essentials of personal training as a profession. Topics include human anatomy and physiology, exercise science, program design, fitness assessments, and health screenings. Personal training as a career and business ownership are also discussed. Pass/No Pass Option

Kitchen and Bathroom Design
(See Interior Design)

Landscape Architecture
(See Architecture)

Languages
(See World Languages)

Latin
(See World Languages)

Liberal Arts

COUNSELING
408-741-2009

Degree:
A.A., Liberal Arts

**LIBERAL ARTS**

A.A. Degree

The Associate of Arts in Liberal Arts degree is designed for students who wish a broad knowledge of liberal arts and science plus additional coursework in an Area of Emphasis. The Area of Emphasis is designed to prepare students for life in a global community with core knowledge, skills, and attitudes essential for personal and professional success.

To earn this degree, students must meet the following requirements:

1. Choose option A or B or C for the General Education pattern related to your educational goal:
   A. Associate of Arts/Associate of Science General Education; or
   B. California State University General Education Breadth (CSU GE-B); or
   C. Intersegmental General Education Transfer Curriculum (IGETC)

2. Complete a minimum of 18 units in one of the five Areas of Emphasis with a grade of C or higher:
   A. ARTS & HUMANITIES
   B. COMMUNICATIONS AND MEDIA
   C. SOCIAL AND BEHAVIORAL SCIENCES
   D. SCIENCE AND MATH
   E. CULTURAL AND GLOBAL STUDIES

3. For all options, complete the necessary West Valley College Graduation and Proficiency requirements.

4. Completion of 60 degree applicable units with an overall 2.0 GPA.

5. For breadth, include at least two disciplines.

6. Courses can be counted toward completion of General Education requirements.

Students can earn only one AA in Liberal Arts with a single area of emphasis.

**Areas of Emphasis**

I. ARTS & HUMANITIES:

The Associate in Arts in Liberal Arts with an emphasis in Arts and Humanities provides students the opportunity to study cultural, literary, humanistic activities and artistic expression of human beings. Students evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments.

Upon completion of the program, students will be able to:

- Develop an ability to identify artwork from various periods and styles, and recognize the way art can affect or reflect cultural, political and humanistic issues.
- Demonstrate an understanding of western and non-western works of philosophical, historical, literary, aesthetic and cultural importance.

II. COMMUNICATIONS AND MEDIA:

The Associate in Arts in Liberal Arts with an emphasis in Communications and Media provides students the opportunity to learn the myriad of ways that we deliver information (verbally and visually), and provide an understanding of the psychological basis, social significance and impact of communication and media in our society.

Upon completion of the program, students will be able to:

- Explain and be able to demonstrate ideas and concepts through verbal and nonverbal expression through written and oral communication.
- Analyze and demonstrate the psychological basis, social significance, and impact of communication and media in our society.

III. SOCIAL AND BEHAVIORAL SCIENCES:
The Associate in Arts in Liberal Arts with an emphasis in Social and Behavioral Sciences provides students an opportunity to develop a broad perspective on concepts, theories and methodologies of the disciplines typically found in the variety of disciplines that comprise the study in the social and behavioral sciences. Students study about themselves and others as a member of a larger society in order to gain a basic knowledge of the cultural and social organizations in which they exist as well as the behavioral and social organizations of other human societies.

Upon completion of the program, students will be able to:
- Demonstrate an understanding of human behavior in relation to human, social, political, and economic institutions.
- Evaluate and critique past, present, and future issues from a historical, cultural, psychological, and social perspective.

IV. SCIENCE AND MATH:
The Associate in Arts in Liberal Arts with an emphasis in Science and Math provides students an opportunity to develop knowledge of scientific theories, concepts and data about both living and non-living systems. The courses in this area also emphasize the natural sciences which examine the physical universe, its life forms and its natural phenomena. In addition, these courses emphasize experimental methodology, testing hypotheses, and the power of systematic questioning. Courses in math emphasize the development of mathematical and quantitative reasoning skills beyond the level of elementary algebra.

Upon completion of the program, students will be able to:
- Demonstrate an ability to think logically and critically in solving problems.
- Demonstrate an understanding of experimental methodology, testing of hypothesis, the power of systematic questioning, and influence of the scientific method in society.

V. CULTURAL AND GLOBAL STUDIES:
The Associate in Arts in Liberal Arts with an emphasis in Cultural and Global Studies provides students an opportunity to learn how we function effectively and live harmoniously in a pluralistic society in an increasingly global environment. The focus of this area is to foster a sense of inquiry about cultural differences and similarities. With this as a focus, the courses further acknowledge the experience, scholarship, and accomplishments of the many cultures in our society and in the world.

Upon completion of the program, students will be able to:
- Analyze how we function effectively and live harmoniously in a pluralistic society.
- Critically analyze diverse and conflicting points of view and understand the interconnectedness of individuals in society.
- Analyze the experience, scholarship, and accomplishments of the many cultures in our society and in the world.

A student may only earn one AA in Liberal Arts with a single area of emphasis. Must complete at least 18 units with a “C” grade or better in one of the five areas of emphasis.

I. Arts and Humanities

OR

II. Communications and Media

OR

III. Social and Behavioral Sciences

OR

IV. Science and Math

OR

V. Cultural and Global Studies

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<td>ARCH 052</td>
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- PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
- Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
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- ADVISORY is a recommended preparation, NOT a REQUIREMENT.
- This catalog is subject to change and may be incomplete. Please consult the addenda at westvalley.edu/catalog/
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<td>Logic &amp; Critical Reasoning</td>
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### Course ID | Title | Units
--- | --- | ---
ADMJ 004 | Legal Aspects of Evidence | 3
ADMJ 026 | Organized Crime | 3
ANTH 002 | Introduction to Archeology | 3
ANTH 003 | Introduction to Cultural Anthropology | 3
ANTH 004 | Intro to Linguistic Anthropology | 3
BUSN 051 | Introduction to Business | 3
BUSN 061 | Business, Government, and Society | 3
BUSN 066 | Human Relations in Business | 3
BUSN 068 | Organizational Behavior | 3
CHST 002 | Child Growth and Development | 3
CHST 053 | Contemporary Education in a Changing Society | 3
CHST 063 | Child, Family, and Community | 3
COUN 002 | Academic & Personal Planning | 1
COUN 005 | College Success | 3
COUN 012 | Careers and Life Styles | 3
COUN 012C | Careers and Life Styles | 1
COUN 045 | Successful Study Strategies | 1
COUN 050 | Cross-Cultural Perspectives | 3
ECON 001A | Principles of Macroeconomics | 3
ECON 001AH | Honors Principles of Macroeconomics | 3
ECON 001B | Principles of Microeconomics | 3
ECON 001BH | Honors Principles of Microeconomics | 3
ECON 002A | Principles of Macroeconomics Lab | 1
ECON 002AH | Honors Principles of Macroeconomics Lab | 1
ECON 002B | Principles of Microeconomics Lab | 1
ECON 002BH | Honors Principles of Microeconomics Lab | 1
GEOG 002 | Introduction to Cultural Geography | 3
GEOG 006 | World Regional Geography | 3
HIST 004A | Western Civilization I: Prehistory to 1500 CE | 3
HIST 004B | Western Civilization II: 1500 CE to Present | 3
HIST 012 | African American History | 3
HIST 014 | History of the Native North Americans | 3
HIST 016 | Mexican-American History | 3
HIST 017A | United States History | 3
HIST 017B | United States History | 3
HIST 017BH | Honors United States History | 3
HIST 020 | History and Geography of California | 3
HSCI 008 | Contemporary Health | 3
HSCI 010 | Human Sexuality | 3
HSCI 012 | Understanding Stress - A Multidisciplinary Perspective | 3
HSCI 014 | Concepts of Public Health and Society | 3
LRSV 001 | Learning Strategies for College and Life | 3

### Course ID | Title | Units
--- | --- | ---
POLI 001 | American Government | 3
POLI 001H | Honors American Government | 3
POLI 002 | Comparative Governments | 3
POLI 003 | Introduction to Political Science | 3
POLI 003H | Honors Introduction to Political Science | 3
POLI 004 | International Relations | 3
PSYC 001 | General Psychology | 3
PSYC 009 | Psychology of Women: A Multicultural Perspective | 3
PSYC 012 | Human Growth and Development | 3
PSYC 017 | Introduction to Social Psychology | 3
PSYC 025 | Introduction to Abnormal Psychology | 3
PSYC 030 | Psychology of Addiction and Substance Abuse | 3
SOCI 001 | Introduction to Sociology | 3
SOCI 002 | Social Problems | 3
SOCI 003 | Social Psychology: A Sociological Perspective | 3
SOCI 020 | Sociology of Race and Ethnicity | 3
SOCI 028 | Sociology of Gender | 3
SOCI 040 | Marriage and Family Sociology | 3
SOCI 045 | Sociology of Human Sexuality | 3
WGQS 001 | Introduction to Women’s Studies | 4
WGQS 002 | Women in the Arts: Multicultural Perspectives | 3
WGQS 003 | Introduction to Gender and Queer Studies | 3
WGQS 004A | Women in World Cultures | 3

### IV. Science and Math

### Course ID | Title | Units
--- | --- | ---
ANTH 001 | Introduction to Physical Anthropology | 3
ASTR 002 | Astronomy Laboratory | 1
ASTR 005 | Planetarium Astronomy | 2
ASTR 010 | Solar System Astronomy | 3
ASTR 011 | Stellar Astronomy | 3
ASTR 014 | Life in the Universe | 3
ASTR 020 | Family of the Sun | 4
ASTR 020H | Honors Family of the Sun | 4
ASTR 021 | Lifestyles of the Stars | 4
ASTR 021H | Honors Lifestyles of the Stars | 4
ASTR 022 | From Big Bang to Black Holes | 3
ASTR 030 | Field Astronomy | 1
BIOL 002 | Environmental Biology | 3
BIOL 002L | Environmental Biology Laboratory | 1
BIOL 010 | Introduction to Biology | 3
BIOL 010L | Introduction to Biology Lab | 1
BIOL 011 | Human Biology | 4
BIOL 012 | Introduction to Ecology and Wildlife | 4

*PREREQUISITES AND COREQUISITES are MANDATORY. See page 5 for specific information.
-Courses used to meet prerequisite requirements must have been completed with a grade of C or Pass or better.
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<td>California Plants and Animals</td>
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<td>Principles of Animal Biology</td>
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<td>Engineering Physics – Light, Heat and Waves</td>
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<td>Conservation of Our Natural Resources</td>
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</table>

Total Major Units 18

To be awarded an A.A. Degree, a student must complete:
1. All major requirements.
2. Additional units to meet the college graduation requirements.
For crosswalk of new subject codes, see page 61

Recommended Course Sequence:
Fall, Year 1 (6 Units):
Choose 6 units from one area of emphasis

Spring, Year 1 (3 Units):
Choose 3 units from one area of emphasis

Fall, Year 2 (6 Units):
Choose 6 units from one area of emphasis

Spring, Year 2 (3 Units):
Choose 3 units from one area of emphasis

---

## Library and Information Studies

### THE FACULTY
- Jasmine Colón
- Yanghee Kim
- Maryanne Mills
- Betsy Sandford
- Rachel Sandoval

### DIVISION
- Library

### DEAN
- Chris Dyer

### DEPARTMENT CHAIR
- Rachel Sandoval

### PHONE
- 408-741-2479

### EMAIL
- rachel.sandoval@westvalley.edu

### COUNSELING
- 408-741-2009

### Learning Outcomes

After completing courses, orientations, and/or workshops, a student will be able to:
- Gather, evaluate, organize and use information in order to successfully complete research projects;
- Properly cite sources according to established formats such as MLA and APA;
- Explain the legal and ethical aspects of research, including copyright and plagiarism.

### LIBR 004 INFORMATION COMPETENCY

1 unit
Lecture 1 unit; lab 0 units

Acceptable for credit: University of California, California State University
This course provides students with the opportunity to develop and strengthen research skills and to learn the core concepts of information retrieval. Students are introduced to the essential techniques for finding, evaluating, analyzing and presenting information - key skills for a successful college career. The class covers in-depth use of electronic resources, how to create research strategies to retrieve relevant information, and how to critically evaluate information in all its formats. The class also reviews the legal and ethical issues surrounding information and its use. Pass/No Pass Option

### Literature

(See English)

### Management and Supervision

(See Business)