CERRITOS COLLEGE

Spring Addendum

Catalog Addendum#2

2023 - 2024
New Program

Global Studies – Associate in Arts for Transfer (AA-T) ................................................................. 2

Program Update

Geography – Associate in Science for Transfer ................................................................................. 1
  • Adding new course GEOG 115 - Physical Geography with Lab as an option
  • In List A - Including GEOG 105 as a requirement in the list
  • Removing MATH 170
  • Removing MATH 112
  • Removing BIOL 120

Catalog Corrections

Apprenticeship: Field Ironworkers – Associate of Science ................................................................. 1
  • Adding missing course, IWAP 41.09, to option 1

Kinesiology – Associate in Science for Transfer ............................................................................. 2
  • Adding PEX 166 to Team Sports

Course Corrections

WMT 237L ........................................................................................................................................... 4
  • Correcting lab contact hours from 2.5 laboratory to 8.0 laboratory
APPRENTICESHIP: FIELD IRONWORKERS ASSOCIATES OF SCIENCE

The Field Iron Workers A.S. degree prepares students for employment in the construction industry, primarily in ironwork. Through courses focusing on Reinforcing or Structural, students will learn the fundamental principles in basic and supervisory level functions in the construction ironwork industry for continuing academic achievement and professional success. Students can either choose the Reinforcing or Structural core units to complete the Field Iron Workers A.S. degree. Core topics include steel and cable reinforcing in concrete construction (rebar work), erections of steel skeleton of buildings, unbonded and bonded reinforcing post-tensioning, rigging of heavy machinery, foreman training, and techniques for greater safety in reinforcing iron. Graduates are employed as journeyman in the field of ironworks or as self-employed. Spatial intelligence, cognitive ability, and eye-hand coordination are recommended for those entering the program.

CORE REQUIREMENTS
FIELD IRON WORKERS ESSENTIAL CLASSES FOR REINFORCING AND STRUCTURAL UNITS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>IWAP 40.07</td>
<td>IW-Orientation</td>
<td>3</td>
</tr>
<tr>
<td>IWAP 40.50</td>
<td>Mixed Base</td>
<td>2</td>
</tr>
<tr>
<td>IWAP 40.56</td>
<td>IW-Ironworkers History Reinforcing</td>
<td>2</td>
</tr>
<tr>
<td>IWAP 40.63</td>
<td>IW-Structural Lead Hazard</td>
<td>1.5</td>
</tr>
<tr>
<td>IWAP 40.09</td>
<td>IW-Gen Rigging</td>
<td>2</td>
</tr>
<tr>
<td>IWAP 40.22</td>
<td>IW - Cranes</td>
<td>2</td>
</tr>
<tr>
<td>IWAP 40.10</td>
<td>IW-Welding I - Reinforcing</td>
<td>1</td>
</tr>
<tr>
<td>IWAP 40.11</td>
<td>IW-Welding II - Reinforcing</td>
<td>1</td>
</tr>
</tbody>
</table>

Students must choose one of the two options:
OPTION 1: REINFORCING PROGRAM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>IWAP 40.12</td>
<td>IW-Reinforcing Iron I</td>
<td>2</td>
</tr>
<tr>
<td>IWAP 41.03</td>
<td>IW-Reinforcing Iron II</td>
<td>1</td>
</tr>
<tr>
<td>IWAP 40.15</td>
<td>IW-Post Tension I</td>
<td>2</td>
</tr>
<tr>
<td>IWAP 41.07</td>
<td>IW-Post Tension II</td>
<td>2</td>
</tr>
<tr>
<td>IWAP 40.53</td>
<td>IW-Detailing/Reinforcing Iron</td>
<td>2</td>
</tr>
<tr>
<td>IWAP 40.55</td>
<td>Foreman Training</td>
<td>2</td>
</tr>
<tr>
<td>IWAP 41.08</td>
<td>Post Tension III</td>
<td>2</td>
</tr>
<tr>
<td>IWAP 41.09</td>
<td>Extension and Review</td>
<td>2</td>
</tr>
</tbody>
</table>

OPTION 2: STRUCTURAL PROGRAM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>IWAP 40.21</td>
<td>IW-Structural Steel I</td>
<td>2</td>
</tr>
<tr>
<td>IWAP 41.06</td>
<td>IW-Structural Steel II</td>
<td>1.5</td>
</tr>
<tr>
<td>IWAP 40.05</td>
<td>IW-Advanced Welding</td>
<td>1</td>
</tr>
<tr>
<td>IWAP 40.60</td>
<td>IW-Structural Arch Ornamental I</td>
<td>1.5</td>
</tr>
<tr>
<td>IWAP 41.05</td>
<td>IW-Architectural II</td>
<td>1.5</td>
</tr>
<tr>
<td>IWAP 40.61</td>
<td>IW-Structural Precast</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Concrete/Qualified Rigger</td>
<td>2</td>
</tr>
<tr>
<td>IWAP 41.04</td>
<td>IW-Architectural III</td>
<td>1.5</td>
</tr>
<tr>
<td>IWAP 40.26</td>
<td>IW-Metal Building</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Erect/Foreman Training</td>
<td>2</td>
</tr>
</tbody>
</table>

TOTAL MAJOR REQUIREMENTS 27-29

ASSOCIATE OF SCIENCE DEGREE REQUIREMENTS
Completion of a minimum of 60-semester units to include (1) total major requirements, (2) the general education requirements, and (3) a grade of "C" or better in all courses required by major.

GEOGRAPHY ASSOCIATE IN ARTS FOR TRANSFER

Completion of courses to attain an Associate in Arts in Geography for Transfer Degree at Cerritos College will prepare students to complete a baccalaureate degree in Geography at a university within the California State University system. Geography is a holistic discipline that examines the relationship between cultural (i.e., religion, economic activities, ethnicity, land use, etc.) and physical (i.e., weather and climate, geomorphology, biogeography, etc.) processes and the interrelationships of these dynamics as each greatly affects the other. Geographers study an array of subjects with a spatial view and attention on patterns on the landscape. This program is for seamless transfer to CSU system.

REQUIRED CORE (7 units)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101</td>
<td>Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>and GEOG 101L</td>
<td>Physical Geography Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>or GEOG 115</td>
<td>Physical Geography</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 102</td>
<td>Natural and Cultural Geography</td>
<td>3</td>
</tr>
</tbody>
</table>

LIST A: Choose select two to three of the following (6-8 units)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 105</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 140</td>
<td>California Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 160</td>
<td>Field Studies in Geography</td>
<td>2</td>
</tr>
<tr>
<td>ESCI 106</td>
<td>Weather and Climate</td>
<td>3</td>
</tr>
</tbody>
</table>

LIST B: Select 2 (6 units)
Any course not used from List A

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 102</td>
<td>Physical Geology Lecture</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 100</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 103</td>
<td>Environmental Geography</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units for the Major 19-22

ASSOCIATES IN ARTS FOR TRANSFER FOR GEOGRAPHY REQUIREMENT:

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses,
2. Minimum overall grade point average of 2.0,
3. Minimum grade of “C” (or “P”) for each course in the major, and
4. Completion of IGETC and/or CSU GE-Breadth.
GLOBAL STUDIES
ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

The Global Studies for transfer degree is an interdisciplinary program designed to provide students with the knowledge and understanding of globalization and the various global issues that impact the world's populations.

This degree is for seamless transfer to CSU.

Required Core (6 Units) Units
HIST 275  Global Studies 3
POL 255  Global Citizenship 3

List A: Select five courses from at least four of the following areas (15 Units)

Area 1: Culture and Society
ANTH 100  Cultural Anthropology 3
HIST 246  World Civilization from 1500 to Present 3
HIST 242  Western Civilization 3
HIST 245  World Civilization from Antiquity to 1500 3

Area 2: Geography
GEOG 101  Physical Geography 3
GEOG 102  Cultural Geography 3
GEOG 105  World Geography 3

Area 3: Economics
ECON 202M  Microeconomics 3
ECON 201M  Macroeconomics 3

Area 4: Politics
POL 220  Comparative Politics 3
POL 210  International Relations 3
POL 101  American Political Institutions 3
POL 201  Introduction to Political Science and American Government 3

Area 5: Humanities
ENGL 248A  Masterpiece World Literature 3
ENGL 248B  Masterpiece World Literature 3
CHIN 201  Intermediate Chinese 5
GERM 201  Intermediate German 5
SPAN 201  Intermediate Spanish 5
PHIL 200  World Religion 3

TOTAL UNITS FOR THE MAJOR 21-23

ASSOCIATE IN ARTS DEGREE FOR TRANSFER REQUIREMENTS
1. Completion of 60 semester units or 90 quarter units of degree-applicable courses,
2. Minimum overall grade point average of 2.0,
3. Minimum grade of "C" (or "P") for each course in the major, and
Completion of IGETC and/or CSU GE-Breadth.

KINESIOLOGY
ASSOCIATE IN ARTS FOR TRANSFER (AA-T)

An Associate in Arts Degree in Kinesiology for transfer provides students with an introductory knowledge of the fundamental principles of kinesiology including the historical development of physical education and sport in our society. Students will gain theoretical and scientific knowledge about the body, including the skeletal and muscular systems. Additionally, students will learn and execute motor/sports skills appropriate for personal development as well as proficiency in discussing the benefits of an active lifestyle. Students will display professionalism and communication/presentation skills with preparedness for transfer. This program is for seamless transfer to CSU.

REQUIRED CORE COURSES: 14 Units

KIN 100  Introduction to Kinesiology 3
A & P 150  Introduction to Human Anatomy 4
A & P 151  Introduction to Human Physiology 4

Movement Based Courses (3-units minimum)
Select one (1) course maximum from any three (3) of the following areas: Aquatics, Combatives, Team Sports, Individual Sports, Fitness, Dance

Aquatics
PEX 105  Adapted Swimming 1
PEX 184  Swimming, Novice 1
PEX 185  Swimming, Beginning 1
PEX 284  Swimming, Intermediate 2
PEX 285  Swimming, Advanced 2

Combatives
PEX 147  Personal Self-Defense 1
PEX 148  Brazilian Jiu-Jitsu 1
PEX 149  Tae Kwon Do, Beginning 1
PEX 150  Mixed Martial Arts 1.5
PEX 249  Tae Kwon Do, Intermediate/Advanced 2

Dance
DANC 106A  Beginning Ballet 2
DANC 106B  Intermediate Ballet 2
DANC 108A  Dance, Modern, Beginning 2
DANC 108B  Dance, Modern, Intermediate 2
DANC 108C  Dance, Modern, Advanced 2
DANC 109  Introduction to Dance
DANC 112  Dance, Contemporary Modern 2
DANC 121  Latin Social Dance 2
DANC 122  Middle Eastern Dance 2
DANC 123  African Dance 2
DANC 124  Hip Hop Dance 2
DANC 125  Introduction to Ballroom Dance 2
DANC 126 Hip Hop Dance Trends 2
DANC 140 Beginning Jazz Dance 2
DANC 141 Intermediate Jazz Dance 2
DANC 142 Beginning Tap Dance 2
DANC 143 Intermediate Tap Dance 2
DANC 144 Dance for Musical Theater 2

**Fitness**

KIN 104 Fitness and Wellness 3
PEX 103 Adapted Strength Training 1
PEX 103A Adapted Circuit Weight Training 1
PEX 110 Aerobicics 1.5
PEX 111 Low Impact Aerobics 1.5
PEX 112 Step Aerobics 1.5
PEX 113 Zumba 1
PEX 116 Water Aerobics 1
PEX 117 Aqua Zumba 1
PEX 120 Cardio Kickboxing 1.5
PEX 121 High-Intensity Interval Training 1
PEX 122 CrossFit Training and Functional Exercises 1.5
PEX 124 Personal Fitness Program 1
PEX 126 Physical Fitness Training 1.5
PEX 132 Indoor Cycling 1
PEX 135 Indoor Cycling 1
PEX 138 Walking for Fitness 1
PEX 139 Walking/Jogging for Fitness 1
PEX 140 Jogging, Basics 1
PEX 141 Jogging for Fitness, Beginning 1
PEX 142 Group Treadmill and Cardio Machine Training 1
PEX 145 Circuit Weight Training, Beginning 1
PEX 151 Yoga 1
PEX 152 Restorative Yoga 1
PEX 153 Yoga and Stress Reduction 1
PEX 155 PiYo: Introduction to Pilates and Yoga 1
PEX 156 Pilates Conditioning 1
PEX 162 Badminton Fitness and Technique Training 1.5
PEX 240 Jogging for Fitness, Intermediate 2
PEX 245 Circuit Weight Training, Intermediate/Advanced 2
PEX 246 Olympic Weights-Power Lifting 2

**List A: (Select 2) 7-9 Units**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 112</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>or MATH 112S</td>
<td>Enhanced Elementary Statistics (4.5)</td>
<td></td>
</tr>
<tr>
<td>PSYCH 210</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 100</td>
<td>Introductions to Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 111</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 101</td>
<td>General Physics</td>
<td>4</td>
</tr>
<tr>
<td>or PHYS 201</td>
<td>Engineering Physics</td>
<td>4</td>
</tr>
<tr>
<td>HED 110</td>
<td>Community First Aid and CPR</td>
<td>3</td>
</tr>
<tr>
<td>or KIN 110</td>
<td>Community First Aid and CPR</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**ASSOCIATES IN ARTS FOR TRANSFER REQUIREMENTS**

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses,
2. Minimum overall grade point average of 2.0,
3. Minimum grade of “C” (or “P”) for each course in the major, and
4. Completion of IGETC and/or CSU GE-Breadth.
WMT 237L

TRADITIONAL FURNITURE LAB  2.5 UNITS

Class hours: 2.5 Laboratory
Prerequisite: WMT 237 with a grade of "C" or higher or "Pass"

In this course, students will explore traditional furniture building techniques other than those taught in WMT 237. Students will study, design, and build a piece of traditional furniture, in the form and style of their choice.
Transfer Credit: CSU