The following information includes corrections, additions, and approval status updates of courses and programs that occurred post 2018-2019 Catalog production.
STUDENT LEARNING DIVISION / DEPARTMENTS

PAGE: 4
COMMENTS*
Revised Dean Name: DEAN VACANT, Institutional Effectiveness and Planning to DEAN OLEG BESPALOV

PAGE: 5
COMMENTS*
Revised Dean Name: DEAN VACANT, EATM, Health and Life Sciences to DEAN CAROL HIGASHIDA

PAGE: 5
COMMENTS*
Added Dean in front of the name.
Revised Dean Name: MARY REES, Mathematics & Physical Sciences to DEAN MARY REES

TRANSFER INFORMATION

PAGE: 79
COMMENTS*
Revised California State University General Education-Breadth (CSU-GE) Pattern 2018-2019:
Correction: from BIOL M17L to BIOL M17 in Area B2;
Removed BOT M16 in Area B2.
ART M79C - FIGURE SCULPTURE III  3 UNITS
Prerequisites: ART M79B
Class Hours: 1 lecture, 6 lab
Expands further the technical and conceptual skills in the sculpting of the human figure from live models; materials include clay, wire, and mixed media. Continues the study of structure, proportion, and balance. Emphasizes intermediate-level individual and self-expressive approaches to sculpting the human form. Develops intermediate-level awareness of historical and contemporary concerns in figure sculpture. Moorpark College Faculty has defined Figure Sculpture as a family of courses which includes ART M79A, M79B, and M79C. A student may take a maximum of four (4) courses from a family. Applies to Associate Degree. Transfer credit: CSU; UC

ART HISTORY

ASSOCIATE IN ARTS IN ART HISTORY FOR TRANSFER DEGREE

The Associate in Arts in Art History for Transfer (AA-T in Art History) is intended for students who plan to transfer and complete a bachelor’s degree in Art History, or Studio Art/Art with Emphasis or Concentration in Art History, or a similar major at a CSU campus.

Students completing this degree are guaranteed admission to the CSU system but not necessarily to a particular campus or major of choice. Students should consult with a counselor for more information on university admission and transfer requirements as this AA-T in Art History degree may not be the best option for students intending to transfer to a particular CSU campus or to a college or university that is not part of the CSU system.

To earn an AA-T in Art History, students must complete the following:
1. 60 semester units or 90 quarter CSU transferable units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA.
3. A minimum of 18-20 specified major units. All courses in the major must be completed with a grade of C or better (Title 5 §55063).
4. Certified completion of the California State University General Education-Breadth pattern or the Intersegmental General Education Transfer Curriculum (IGETC for CSU) pattern.

In addition to General Education degree requirements, complete the following:

REQUITE CORE

Complete the following three (3) courses (9 units):
ART M30  Drawing and Composition I  3.0
ARTH M11  History of Art: Prehistoric through Gothic  3.0
ARTH M12  History of Art: Renaissance through Modern  3.0
UNITS from LIST A  3.0
UNITS from LIST B  3.0
UNITS from LIST C  3.0-5.0
TOTAL UNITS  18.0-20.0

LIST A - Select and complete one course from the following Non-Western art history course list (3 units):
ARTH M14  History of Art: Asian  3.0

LIST B - Select and complete one studio art course from the following list (3 units):
ART M20  Two-Dimensional Design  3.0
ART M23  Three-Dimensional Design  3.0
ART M31  Drawing and Composition II  3.0
ART M32  Beginning Life Drawing I  3.0
ART M33  Beginning Life Drawing II  3.0
ART M43  Beginning Painting I  3.0
ART M44  Beginning Painting II  3.0
ART M49  Water Color I  3.0
ART HISTORY Continued from page 2

ART M50  Water Color II  3.0
ART M70  Beginning Ceramics I  3.0
ART M77  Beginning Sculpture I  3.0
ART M79A  Figure Sculpture I  3.0
ART M90  Beginning Printmaking I  3.0
ART M91  Beginning Printmaking II  3.0
GR M30  Design I  3.0
GR M31  Design II  3.0
MM M10  Introduction to Digital Media  3.0
PHOT M10  Beginning Photography  3.0

LIST C - Select and complete one course (3-5 units) from the following list:
Any course from LIST A or LIST B not already used.

Any CSU transferable Art History Course (Except ARTH M100 Understanding Art):
ARTH M150  History of Art: Modern through Contemporary  3.0

Any Art or Humanities course articulated as CSU GE Area C1 or IGETC AREA 3A:
ARTH M100/H  Understanding Art/Honors  3.0
COMM M05  Oral Interpretation of Literature  3.0
DANC M01  Dance Appreciation  3.0
DANC M03  Dance History  3.0
DANC M31  World Dance Cultures  3.0
FILM M10  Introduction to Cinema  3.0
FILM M15  Introduction to Documentary  3.0
FILM M25  History of International Cinema: Emergence to World War II  3.0
FILM M26  History of International Cinema: World War II to the Present  3.0
FILM M31  Contemporary American Cinema  3.0
FILM M32  Contemporary Global Cinema  3.0
FILM M51  Women in Cinema  3.0
FTVM M03  Introduction to Media Aesthetics  3.0
GR M10  Design and Society  3.0
GR M11  Design History  3.0
HUM M07  Survey of the Arts  3.0
MUS M01  Music Fundamentals  3.0
MUS M04/M04H  Survey of World Music/Honors  3.0
MUS M08  Music Appreciation  3.0
MUS M09A/M09AH  Music History I/Honors  3.0
MUS M09B/M09BH  Music History II/Honors  3.0
PHOT M40  History of Photography  3.0
THA M01/M01H  Introduction to Theatre/Honors  3.0
THA M02A  Acting I  3.0
THA M04/M04H  History of the Theatre/Honors  3.0

Any course articulated as CSU GE Area C2 or IGETC AREA 3B in: a language other than English (except ASL); Art, History, Humanities, Philosophy, Religion/Religious Studies, or The History of Costume:
CHIN M01  Elementary Chinese: Mandarin I  4.0
FREN M01  Elementary French I  4.0
FREN M02  Elementary French II  4.0
GERM M01  Elementary German I  4.0
GERM M02  Elementary German II  4.0
HIST M150  World History: From Prehistory to 1500  3.0
HIST M152  History of Asia from Prehistory to 1600  3.0
HIST M160  World History: From 1450 to the Present  3.0
HIST M162  History of Asia from 1600 to the Present  3.0
HIST M170  Western Civilization: From Prehistory to 1600  3.0
HIST M180  Western Civilization: From 1600 to the Present  3.0
HUM M10A  Ethics, Culture, and the Arts: the Roots of the Humanities  3.0
HUM M10B  Ethics, Culture, and the Arts: Humanities and the Modern World  3.0
ITAL M01  Elementary Italian I  4.0
JAPN M01  Elementary Japanese I  4.0
JAPN M02  Elementary Japanese II  4.0
JOUR M05  Introduction to Visual Communication  3.0
LAT M01  Elementary Latin I  4.0
PHIL M01/M01H  Introduction to Philosophy/Honors  3.0
PHIL M02/M02H  Introduction to Ethics/Honors  3.0
PHIL M03  Social and Political Philosophy  3.0
PHIL M08  Philosophy of Religion  3.0
PHIL M11  World Religions: West  3.0
PHIL M12  World Religions: East  3.0
PHIL M13  The Classical Mind  3.0
PHIL M14  The Modern Mind  3.0
PHIL M21  Ethics of Living and Dying  3.0
SPAN M01  Elementary Spanish I  5.0
SPAN M02  Elementary Spanish II  5.0
SPAN M03  Intermediate Spanish I  5.0
SPAN M04  Intermediate Spanish II  5.0

Any course articulated as CSU GE Area D1, D3, D4, or D6 or IGETC AREA 4:

AREA D1
ANTH M02  Cultural Anthropology  3.0
ANTH M03  Introduction to Archaeology  3.0
ANTH M06  Introduction to Native American Studies  3.0
ANTH M07  Peoples and Cultures of the World  3.0
ANTH M08  Linguistic Anthropology  3.0
ANTH M09  Sex, Gender, and Culture  3.0
ANTH M11  Magic, Witchcraft, and Religion  3.0
ANTH M13  The Chumash and Their Neighbors: Indians of California  3.0
ANTH M14  Monkeys, Apes, and Humans  3.0
ANTH M15  Egyptology: Archaeology of the Land of the Pharaohs  3.0
ANTH M16  Mysteries of the Ancient Maya  3.0
ANTH M17  Forensic Anthropology  3.0

AREA D3
COMM M12  Intercultural Communications  3.0
PSY M14  Cross-Cultural Psychology  3.0
SOC M08  Introduction to Race and Ethnicity  3.0

AREA D4
SOC M10  Sociology of Gender  3.0

AREA D6
HIST M25/M25H  History of the United States/Honors  3.0
HIST M30  United States History Through Reconstruction  3.0
HIST M31  African American History to 1877  3.0
HIST M33  History of Mexican Americans in the United States  3.0
HIST M35  Native American History  3.0
HIST M37/M37H  History of American Women/Honors  3.0
HIST M40  United States History Since the Civil War  3.0
HIST M41  African American History Since 1877  3.0
HIST M43  History of California  3.0
HIST M45  Race and Ethnicity in American History  3.0
HIST M64  History of Latin America  3.0

PROGRAM STUDENT LEARNING OUTCOMES
Students completing the Associate in Arts in Art History for Transfer (AA-T) will be able to:
• examine and assess visual art expressions across time and across the world, with an emphasis on the Western World.
• discuss the different mediums and techniques used to create art traditionally and with modern means.
• compare and contrast different cultures, civilizations and artistic expressions based on the knowledge they have acquired, and critically analyze their own cultural assumptions against those of other cultures across time and throughout the world.

Moorpark College 2018-2019 Catalog Addendum
Added: *8/21/2018; ^11/26/2018
ART HISTORY Continued

PAGE: 119
COMMENTS
Revised course ARTH M10 Art Appreciation
Course number change from M10 to M100.
Course title change from Art Appreciation to Understand Art.

ARTH M100 – UNDERSTANDING ART 3 UNITS
Prerequisites: None
Class Hours: 3 lecture
C-ID: ARTH 100
Studies general art concepts including the major principles and techniques used to create visual art objects in diverse media. Assists students in developing informed perceptions and evaluations of works of art and understanding of the diverse historical, cultural and theoretical contexts across the world and across time. Examines art theory, terminology, themes, design principles and other components of visual and performing arts. Students cannot complete both ARTH M100 and ARTH M100H because credit will only be awarded to the first course completed. (Formerly ART M02, ART M10, ARTH M10.) Applies to Associate Degree. Transfer credit: CSU; UC

PAGE: 120
COMMENTS
Revised course ARTH M11 History of Art: Prehistoric through Gothic.
Course number change from M11 to M110.
Course title change from History of Art: Prehistoric through Gothic to History of Western Art: Prehistoric through Gothic.

ARTH M110 – HISTORY OF ART WESTERN ART: PREHISTORIC THROUGH GOTHIC 3 UNITS
Prerequisites: None
Class Hours: 3 lecture
C-ID: ARTH 110
Introduces the history of art and architecture from prehistoric times through the Middle Ages, with an emphasis on the Western World. Provides an overview of non-Western cultures that influence Western art. Examines key styles and movements in art history and introduces techniques for art production. (Formerly ART M01A, ART M11, ARTH M11.) Applies to Associate Degree. Transfer credit: CSU; UC

PAGE: 120
COMMENTS
Revised course ARTH M12 History of Art: Renaissance through Modern.
Course number change from M12 to M120.
Course title change from History of Art: Renaissance through Modern to History of Western Art: Renaissance through Modern.

ARTH M120 – HISTORY OF WESTERN ART: RENAISSANCE THROUGH MODERN 3 UNITS
Prerequisites: None
Class Hours: 3 lecture
C-ID: ARTH 120
Introduces the history of art and architecture from the early Renaissance to modern times with an emphasis on the Western world. Provides an overview of non-Western cultures that influence Western art during the time periods studied. Examines key styles, movements and figures in art history and introduces new techniques for producing art. (Formerly ART M01B, ART M12, ARTH M12.) Applies to Associate Degree. Transfer credit: CSU; UC

PAGE: 120
COMMENTS
Revised course ARTH M13 History of Art: Asian
Course number change from M13 to M150.
Course title change from History of Art: Modern through Contemporary History of Western Art: Modern through Contemporary.

ARTH M130 – HISTORY OF ART: ASIAN 3 UNITS
Prerequisites: None
Class Hours: 3 lecture
C-ID: ARTH 130
Provides an overview of the art and architecture of India, Southeast Asia, China, Korea and Japan. Examines key styles and monuments of Asian art within the context of the historical and religious background. (Formerly ART M14.) Applies to Associate Degree. Transfer credit: CSU; UC

PAGE: 120
COMMENTS
Revised course ARTH M14 History of Art: Asian
Course number change from M14 to M130.

ARTH M130 – HISTORY OF ART: ASIAN 3 UNITS
Prerequisites: None
Class Hours: 3 lecture
C-ID: ARTH 130
Provides an overview of the art and architecture of India, Southeast Asia, China, Korea and Japan. Examines key styles and monuments of Asian art within the context of the historical and religious background. (Formerly ART M14.) Applies to Associate Degree. Transfer credit: CSU; UC

ARTH M150 – HISTORY OF WESTERN ART: MODERN THROUGH CONTEMPORARY 3 UNITS
Prerequisites: None
Class Hours: 3 lecture
C-ID: ARTH 150
Investigates the theory and practice of visual arts and architecture from about 1850 to the present. Examines the various movements and explores how they reflect social and technological changes in the modern western era, including globalization in art. (Formerly ART M01C, ART M13, ARTH M13.) Applies to Associate Degree. Transfer credit: CSU; UC
ASSOCIATE IN SCIENCE IN HOSPITALITY MANAGEMENT FOR TRANSFER DEGREE

A study of Hospitality Management offers practical and theoretical knowledge of management of hotel staff, upkeep and sanitary standards of hotel facilities, customer service, marketing, sales, accounting, purchasing, production and operations. Students will gain a global perspective of the Hospitality industry and an opportunity to understand the legal and ethical considerations affecting organizations in the industry.

The Associate in Science in Hospitality Management for Transfer Degree (AS-T) is intended for students who plan to transfer and complete a bachelor’s degree in Hospitality Management, or major deemed similar at a CSU campus. Students completing this AS-T degree are guaranteed admission to the CSU system but not necessarily to a particular campus or major of choice. Students should consult with a counselor for more information on admission to specific universities and their transfer requirements as individual schools may require different or additional course work to that listed for the AS-T in Hospitality Management.

To earn an AS-T in Hospitality Management, students must:

1. Complete 60 semester or 90 quarter CSU transferable units.
2. Obtain a minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework. While a minimum of 2.0 is required for admission, some transfer institutions and majors may require a higher GPA.
3. Complete 18-19 specified major units. All courses in the major must be completed with a grade of C or better or a "P" if the course is taken on a "pass-no-pass" basis (Title 5 § 55063). Even though a “pass-no-pass” is allowed, it is highly recommended that students complete their major courses with a grade (Title 5 § 55063).
4. Obtain certification of the California State University General Education-Breadth (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC for CSU) pattern.

REQUIRED CORE:

Complete the following course (3 Units)

- HOSP M100  Introduction to Hospitality  3.0
- UNITS from LIST A  9.0
- UNITS from LIST B  6.0 - 7.0

TOTAL UNITS  18.0 - 19.0

LIST A - Select and complete three courses from the following (9 units)

- ECON M201 Principles of Microeconomics  3.0
- HOSP M120 Hospitality Cost Control  3.0
- HOSP M130 Introduction to Food and Beverage Management  3.0
- HOSP M140 Introduction to Hotel Management  3.0
- NTS M20 Essentials of Food Safety  3.0

LIST B - Select and complete two courses from the following (6-7 units)

- Any courses from List A not already used.
- ACCT M110  Financial Accounting  3.0
- BUS M33  Business Law  3.0

Any lower division course articulated for the Hospitality Management degree at the CSU (3-4)

TOTAL UNITS  18.0

PROGRAM STUDENT LEARNING OUTCOMES

Students completing the Associate in Science in Hospitality Management for Transfer (AA-T) will be able to:

- identify and utilize the fundamental principles of the Hospitality business.

HOSPITALITY MANAGEMENT CERTIFICATE OF ACHIEVEMENT

A study in Hospitality Management offers practical and theoretical knowledge of management of hotel staff, upkeep and sanitary standards of hotel facilities, customer service, marketing, sales, accounting, purchasing, production and operations. Students will gain a global perspective of the Hospitality industry and an opportunity to understand the legal and ethical considerations affecting organizations in the industry. Students completing the Certificate of Achievement in the Hospitality Management program will expand their knowledge of the fundamentals of operations in Hospitality as preparation for entering or advancing in the workforce.

To earn a Certificate of Achievement in Hospitality Management students must complete 18 specified units below:

- MATH M15  Introductory Statistics  4.0
- MATH M15H Honors: Introductory Statistics  4.0
- NTS M01  Introduction to Nutrition Science  3.0

Any lower division course articulated for the Hospitality Management degree at the CSU (3-4)

TOTAL UNITS  3.0 - 4.0

PROGRAM STUDENT LEARNING OUTCOMES

Students completing the Certificate of Achievement in Hospitality Management will be able to:

- have an understanding of the primary disciplines within the Hospitality industry and how they contribute to organizational success.
CHILD DEVELOPMENT

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Child Development is designed for students interested in studying Child Development for general understanding of child growth and development within the family and cultural context. Students who complete the Child Development program will develop the knowledge of subject matter and professional skills that enable them to work in the Early Education and Family Development fields, or any related professional area.

To earn a Certificate of Achievement in Child Development, students complete the 24.5 units of state designated “Core 8” courses of Child Growth and Development; Child, Family, and Community; Principles and Practices; Introduction to Curriculum; Child Nutrition, Health, and Safety; Observation and Assessment; Diversity Issues; and Student Teaching.

REQUIRED COURSES | UNITS
---|---
CD M02 Human Development: Infancy through Adolescence | 3.0
CD M03 Child, Family and Community | 3.0
CD M04 Observation and Assessment | 2.0
CD M04L Observation and Assessment Laboratory | 1.0
CD M05 Teaching in a Diverse Society | 3.0
CD M11 Principles and Practices: Early Childhood Education | 3.0
CD M12 Early Childhood Teaching Practicum | 2.0
CD M12L Early Childhood Teaching Practicum Lab | 1.5
CD M14 Introduction to Curriculum | 3.0
CD M23 Health, Safety, and Nutrition for Children | 3.0

TOTAL UNITS 24.5

PROGRAM STUDENT LEARNING OUTCOMES

Students completing the Certificate of Achievement in Child Development will be able to:

- demonstrate knowledge and professional skills that enable them to work in the Early Education and Family Development fields.
- develop curriculum and assessment plans for children.
- explain physical, cognitive and psychosocial domains in the preschool age child.
- analyze the core components of environmental influences on children and families, including socialization, diverse family structures, family interpersonal relationships, education and mass media influences.
CHILD DEVELOPMENT ASSOCIATE TEACHER CERTIFICATE OF ACHIEVEMENT

(LESS THAN 18 UNITS)

The Child Development Associate Teacher Certificate of Achievement is designed for students intending to work in Child Development/Early Childhood Education, or a similar field, or for students interested in studying Child Development for general understanding of child growth and development within the family and cultural context. Students who complete the Child Development/Early Childhood Education program will develop the knowledge of subject matter and professional skills that enable them to work in the Early Education and Family Development fields, or any related professional area.

To earn a Child Development Associate Teacher Certificate of Achievement students must complete 12 specified units.

The Child Development Associate Teacher Certificate of Achievement demonstrates that a student has met the educational requirements to apply for a Child Development Permit at the Associate Teacher level through the California Commission on Teacher Credentialing. This educational criteria also demonstrates that a student has met minimum educational requirements set by Title 22 licensing regulations for the State of California.

REQUIRED COURSES

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>COURSE TITLE</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD M02</td>
<td>Human Development: Infancy through Adolescence</td>
<td>3.0</td>
</tr>
<tr>
<td>CD M03</td>
<td>Child, Family and Community</td>
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</table>

UNITS FROM LIST A 3.0

TOTAL UNITS 12.0

LIST A - Select and complete three (3) units from the following:

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>COURSE TITLE</th>
<th>UNITS</th>
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</thead>
<tbody>
<tr>
<td>CD M11</td>
<td>Principles and Practices: Early Childhood Education</td>
<td>3.0</td>
</tr>
<tr>
<td>CD M14</td>
<td>Introduction to Curriculum</td>
<td>3.0</td>
</tr>
<tr>
<td>CD M15</td>
<td>Care and Education Programs: Infants/Toddlers</td>
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LIST B - Select and complete a minimum of three (3) units from the following:

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<tbody>
<tr>
<td>CD M04</td>
<td>Observation and Assessment</td>
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<td>CD M04L</td>
<td>Observation and Assessment Laboratory</td>
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</tr>
<tr>
<td>CD M05</td>
<td>Teaching in a Diverse Society</td>
<td>3.0</td>
</tr>
<tr>
<td>CD M07</td>
<td>Music in Early Childhood Education</td>
<td>3.0</td>
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<tr>
<td>CD M09</td>
<td>Science, Technology, Engineering and Math in Early Childhood Education</td>
<td>3.0</td>
</tr>
<tr>
<td>CD M10</td>
<td>Language Arts in Early Childhood Education</td>
<td>3.0</td>
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<tr>
<td>CD M12</td>
<td>Early Childhood Teaching Practicum</td>
<td>2.0</td>
</tr>
<tr>
<td>CD M12L</td>
<td>Early Childhood Teaching Practicum Lab</td>
<td>1.5</td>
</tr>
<tr>
<td>CD M16</td>
<td>Strategies for Working with Challenging Behaviors</td>
<td>3.0</td>
</tr>
<tr>
<td>CD M23</td>
<td>Health, Safety, and Nutrition for Children</td>
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<tr>
<td>EDU M08</td>
<td>Children’s Art within a Multicultural Perspective</td>
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</table>

Any course not used in LIST A

PROGRAM STUDENT LEARNING OUTCOMES

Students completing the Certificate of Achievement in Child Development Associate Teacher will be able to:

- explain physical, cognitive and psychosocial domains in the preschool age child.
- analyze the core components of environmental influences on children and families, including socialization, diverse family structures, family interpersonal relationships, education and mass media influences.
- analyze a variety of programs available to pre-school children and employ essential components for a quality program.
NEW COMMENTS*
Approval status of program occurred post 2018-2019 Catalog publication.

TRANSITIONAL KINDERGARTEN CERTIFICATE OF ACHIEVEMENT

The Transitional Kindergarten Certificate of Achievement is designed for students who intend to work in transitional kindergarten and early education. Students who complete the program of study will develop the subject matter knowledge, skills, and professional competencies to teach effectively in the transitional kindergarten. According to California Education Code, any credentialed teacher assigned to teach TK, or a combination class of kindergarten and TK, will need to earn at least 24 units in child development/early childhood education. To earn the Transitional Kindergarten Certificate of Achievement, students must complete 24 units of specialized coursework, including: Human Development (3 units), Principles and Practices of Early Childhood Education (3 units), Observation and Assessment (3 units), Strategies for Working with Challenging Behaviors (3 units), California Curriculum Foundations and Frameworks Courses (1 unit each/10 units total) and Reflective Practice (2 units).

REQUIRED COURSES

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<tr>
<td>CD M02</td>
<td>Human Development: Infancy through Adolescence</td>
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<tr>
<td>CD M04</td>
<td>Observation and Assessment</td>
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</tr>
<tr>
<td>CD M04L</td>
<td>Observation and Assessment Laboratory</td>
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<tr>
<td>CD M11</td>
<td>Principles and Practices: Early Childhood Education</td>
<td>3.0</td>
</tr>
<tr>
<td>CD M16</td>
<td>Strategies for Working with Challenging Behaviors</td>
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<tr>
<td>CD M18</td>
<td>Reflective Practice Seminar</td>
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<tr>
<td>CD M70</td>
<td>CA Preschool Foundations and Frameworks: Social and Emotional Development</td>
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<td>CD M71</td>
<td>CA Preschool Foundations and Frameworks: Language and Literacy</td>
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<td>CD M72</td>
<td>CA Preschool Foundations and Frameworks: English Language Development</td>
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<td>CA Preschool Foundations and Frameworks: Mathematics</td>
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<td>CA Preschool Foundations and Frameworks: Visual Arts</td>
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<td>CA Preschool Foundations and Frameworks: Performing Arts</td>
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<td>CD M76</td>
<td>CA Preschool Foundations and Frameworks: Physical Development</td>
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<td>CA Preschool Foundations and Frameworks: Health</td>
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<td>CD M78</td>
<td>CA Preschool Foundations &amp; Frameworks: History/Social Science</td>
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<tr>
<td>CD M79</td>
<td>CA Preschool Foundations &amp; Frameworks: Science</td>
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</tbody>
</table>

TOTAL UNITS 24.0

PROGRAM STUDENT LEARNING OUTCOMES

Students completing the Certificate of Achievement in Transitional Kindergarten will be able to:

- effectively select, apply, and evaluate a variety of instructional strategies, including purposeful play, to support students’ learning and development in transitional kindergarten.
COMPUTER NETWORK SYSTEMS ENGINEERING

PAGE: 148

COMMENTS*

Revised Computer Network Systems Engineering for Technical Support Specialist Certificate of Achievement:
Removed CNSE M10A from LIST B;
Added CS M10A to LIST B.
Removed CNSE M10J from LIST B;
Added CS M10J to LIST B.

CNSE: TECHNICAL SUPPORT SPECIALIST
CERTIFICATE OF ACHIEVEMENT

(MORE THAN 18 UNITS)

To earn a Certificate of Achievement in CNSE: Technical Support Specialist, students must complete a minimum of 17-21 units. The Technical Support Specialist program offers training in the fundamentals of computer hardware, networking, and software applications. The program is oriented towards hands-on courses in order to prepare students for employment in the computer service and support industry. Computer support specialists provide technical assistance, support, and advice to customers and other users. This occupational group includes technical support specialists and help-desk technicians. In addition, this program could also serve as a starting point for certifications and/or degrees in computer science, computer networking, and computer information systems including professional certifications offered by Microsoft and Cisco.

REQUIRED COURSES

Complete the following courses (13 units):

- CNSE M01 Networking Fundamentals 4.0
- CNSE M05 Fundamentals of Computer Networking 4.0
- CNSE M30 MS Windows Administration 3.0
- CNSE M55 Linux Networking and System Administration 2.0
- UNITS from LIST A 2.0-4.0
- UNITS from LIST B 2.0-4.0

TOTAL UNITS 17.0-21.0

LIST A - Select and complete one course (2-4 units):
- CNSE M06 Fundamentals of IT Essentials 4.0
- CNSE M59 Windows Desktop Support 2.0

LIST B - Select and complete one course (2-4 units):
- CS M10A Introduction to Computer Programming Using Structured C++ 4.0
- CS M10J Introduction to Computer Programming Using Java 4.0
- CNSE M58 My SQL-PHP Web Database Fundamentals 2.0
- CNSE M67 VMware vSphere Fundamentals 3.0
- CNSE M82 Introduction to Network Security 2.0

PROGRAM STUDENT LEARNING OUTCOMES

Students completing the Certificate of Achievement in CNSE: Technical Support Specialist will be able to:

- provide varied type of advanced support in a Microsoft or Linux environment in a medium-size to enterprise size organization.

PAGE: 152

COMMENTS*

CNSE M83 - WINDOWS SERVER ENTERPRISE ADMINISTRATOR
Unit increase from 1.5 units to 3.0 units

PAGE: 153

COMMENTS*

CNSE M86 - CISCO SECURE PIX FIREWALLS
Unit increase from 1.5 units to 3.0 units
Transfer credit information corrected.
Added UC at the end of paragraph.

**CS M10P – INTRODUCTION TO COMPUTER PROGRAMMING USING PYTHON LANGUAGE**

*Prerequisites: None
Class Hours: 3 lecture, 3 lab
Provides an introduction to computer programming and algorithm design using the Python programming language. Covers the fundamentals of computer programming: basic data types, switching and looping constructs, functions, recursion, objects, arrays, and lists, and basic input and output, both interactive and with files. Explains some principles of algorithm design and analysis as well as techniques for testing programs. Applies to Associate Degree. Transfer credit: CSU; UC*
CRIMINAL JUSTICE

NEW

COMMENTS*

Approval status of course occurred post 2018-2019 Catalog publication.

FUNDAMENTALS OF LAW

CERTIFICATE OF ACHIEVEMENT

The Fundamentals of Law Certificate of Achievement is designed to serve students who wish to directly enter the work force with practical knowledge and skills relating to employment in the field of law. This certificate will also support the current public and private law practitioners pursuit of qualified personnel. Students must complete 18 specified units of criminal justice courses.

REQUIRED COURSES

Complete the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ M01/CJ M01H</td>
<td>3.0</td>
</tr>
<tr>
<td>CJ M01H</td>
<td>3.0</td>
</tr>
<tr>
<td>CJ M02</td>
<td>3.0</td>
</tr>
<tr>
<td>CJ M04</td>
<td>3.0</td>
</tr>
<tr>
<td>CJ M07</td>
<td>3.0</td>
</tr>
<tr>
<td>CJ M08</td>
<td>3.0</td>
</tr>
<tr>
<td>CJ M12</td>
<td>3.0</td>
</tr>
</tbody>
</table>

TOTAL UNITS 18.0

PROGRAM STUDENT LEARNING OUTCOMES

Students completing the Certificate of Achievement in Fundamentals of Law will be able to:

- apply rules and principles to new situations in the legal assisting arena
- demonstrate familiarity with, and ability to use and write with, appropriate legal terms and legal terminology.
- demonstrate knowledge and understanding of the American Criminal and Civil justice systems, federal and state court proceedings and typical alternative dispute resolution processes.
- acquire knowledge and skills to successfully complete entrance level application, testing, and interview process for a career position in the American criminal and civil justice systems
- demonstrate practical knowledge of the criminal and civil justice system, including but not limited to knowledge of arrest, search, seizure, investigative skills, presentation of evidence and interview and deposition techniques.
FILM TELEVISION MEDIA

NEW

COMMENTS*
Approval status of course occurred post 2018-2019 Catalog publication.

FTVM M94A - DOCUMENTARY FILM PORTFOLIO 1    2 UNITS
Prerequisites: None
Class Hours: 1 lecture, 3 lab
Provides students the opportunity to create and produce basic documentary film projects for entry-level positions and for transfer institutions. Includes research, story outlining, budgeting, scheduling, production, and post-production. Requires students to undertake practical assignments of documentary projects. Applies to Associate Degree. Transfer credit: CSU

NEW

COMMENTS*
Approval status of course occurred post 2018-2019 Catalog publication.

FTVM M94B - DOCUMENTARY FILM PORTFOLIO 2    2 UNITS
Prerequisites: FTVM M94A
Class Hours: 1 lecture, 3 lab
Provides students the opportunity to create and produce skilled documentary film projects for entry-level positions and for transfer institutions. Includes directing, researching, story outlining, budgeting, scheduling, production, and post-production. Requires students to undertake ambitious practical assignments of documentary projects. Applies to Associate Degree. Transfer credit: CSU
**ASSOCIATE IN SCIENCE IN GAME DESIGN**

The Game Design program is designed to prepare students for freelance careers and/or entry-level employment as independent game developers or with game design and development companies. Students explore creative, technical, critical, and design-based solutions to real world issues in order to meet the rigors of a dynamically evolving array of game-oriented professions. To earn an Associate in Science in Game Design, students must complete 34-37 specified units, plus General Education degree requirements.

In addition to General Education degree requirements, complete the following:

### REQUIRED CORE UNITS

Complete the following courses (28-31 units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAME M101</td>
<td>Introduction to Game Design</td>
<td>3.0</td>
</tr>
<tr>
<td>GAME M102</td>
<td>Game Design Technologies I</td>
<td>3.0</td>
</tr>
<tr>
<td>GAME M110</td>
<td>Game Theory and Mechanics</td>
<td>3.0</td>
</tr>
<tr>
<td>GAME M115</td>
<td>Game Level Design</td>
<td>3.0</td>
</tr>
<tr>
<td>GAME M202</td>
<td>Game Design Technologies II</td>
<td>3.0</td>
</tr>
<tr>
<td>GAME M210</td>
<td>Game Design Studio</td>
<td>3.0</td>
</tr>
<tr>
<td>GAME M80</td>
<td>Internship in Game Design</td>
<td>1.0 - 4.0</td>
</tr>
<tr>
<td>MM M10</td>
<td>Introduction to Digital Media</td>
<td>3.0</td>
</tr>
<tr>
<td>MM M40</td>
<td>3D Fundamentals</td>
<td>3.0</td>
</tr>
<tr>
<td>MM M50</td>
<td>Interactive Design</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**UNITS from ELECTIVE COURSES** 6.0

**TOTAL UNITS** 34.0-37.0

### ELECTIVE COURSES

Select and complete 2 courses (6 units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART M40</td>
<td>Beginning Illustration</td>
<td>3.0</td>
</tr>
<tr>
<td>ARTH M13</td>
<td>History of Art: Modern through Contemporary</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS M30</td>
<td>Introduction to Business</td>
<td>3.0</td>
</tr>
<tr>
<td>ENGL M10A</td>
<td>Creative Writing</td>
<td>3.0</td>
</tr>
<tr>
<td>FTVM M11</td>
<td>Introduction to Media Writing</td>
<td>3.0</td>
</tr>
<tr>
<td>GR M10</td>
<td>Design and Society</td>
<td>3.0</td>
</tr>
<tr>
<td>GR M27/PHTC M33</td>
<td>Image Editing</td>
<td>3.0</td>
</tr>
<tr>
<td>MM M20</td>
<td>Web Design</td>
<td>3.0</td>
</tr>
<tr>
<td>MUS M03</td>
<td>Introduction to Music Technology</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**PROGRAM STUDENT LEARNING OUTCOMES**

Students completing the Associate in Science in Game Design will be able to:

- apply core competencies in the cultural, theoretical, artistic, and narrative aspects of game design, as well as a broad background in the creation and development of playable media.

**GAME DESIGN CERTIFICATE OF ACHIEVEMENT**

The Game Design program is designed to prepare students for freelance careers and/or entry-level employment as independent game developers or with game design and development companies. Students explore creative, technical, critical, and design-based solutions to real world issues in order to meet the rigors of a dynamically evolving array of game-oriented professions. To earn a Certificate of Achievement in Game Design, students must complete 21 specified units.

### REQUIRED CORE UNITS

Select and complete the following courses (15 units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAME M101</td>
<td>Introduction to Game Design</td>
<td>3.0</td>
</tr>
<tr>
<td>GAME M102</td>
<td>Game Design Technologies</td>
<td>3.0</td>
</tr>
<tr>
<td>GAME M110</td>
<td>Game Theory and Mechanics</td>
<td>3.0</td>
</tr>
<tr>
<td>GAME M202</td>
<td>Game Design Technologies II</td>
<td>3.0</td>
</tr>
<tr>
<td>MM M10</td>
<td>Introduction to Digital Media</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**UNITS from ELECTIVE COURSES** 6.0

**TOTAL UNITS** 21.0

### ELECTIVE COURSES

Select and complete 2 courses (6 units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART M40</td>
<td>Beginning Illustration</td>
<td>3.0</td>
</tr>
<tr>
<td>FTVM M11</td>
<td>Introduction to Media Writing</td>
<td>3.0</td>
</tr>
<tr>
<td>GAME M205</td>
<td>Mobile Game Development</td>
<td>3.0</td>
</tr>
<tr>
<td>GR M27/PHTC M33</td>
<td>Image Editing</td>
<td>3.0</td>
</tr>
<tr>
<td>MM M40</td>
<td>3D Fundamentals</td>
<td>3.0</td>
</tr>
<tr>
<td>MM M50</td>
<td>Interactive Design</td>
<td>3.0</td>
</tr>
<tr>
<td>MUS M03</td>
<td>Introduction to Music Technology</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**PROGRAM STUDENT LEARNING OUTCOMES**

Students completing the Certificate of Achievement in Game Design will be able to:

- apply core competencies in the cultural, theoretical, artistic, and narrative aspects of game design, as well as a broad background in the creation and development of playable media.
GRAPHIC DESIGN

PAGE: 196

COMMENTS:
Added Course Credit Limitations to course description.

GR M10 – DESIGN AND SOCIETY 3 UNITS

Prerequisites: None
Class Hours: 3 lecture
Examines the fundamentals of communication design including design theory, the language and history of design, and contemporary design practices. Emphasizes the basic principles and the human experience in design, including graphic design and advertising, industrial design, environmental design and electronic arts. Course Credit Limitations: Credit will not be awarded for both the honors and regular versions of a course. Credit will be awarded only for the first course completed with a grade of “C” or better or “P”. Honors Program requires a letter grade. Applies to Associate Degree. Transfer credit: CSU; UC
HISTORY

PAGE: 200
COMMENTS

Revised Associate in Arts in History for Transfer Degree:
Removed HIST M01B from LIST A, Area 1;
Added HIST M170 to LIST A, Area 1.

ASSOCIATE IN ARTS IN HISTORY
FOR TRANSFER DEGREE

History is an evolving record of human emotion, human aspiration, human frustration, and human success. Historians study the goals, fears, interests, opinions, and prejudices of people in the past. What made people the way they were? What is the impact of their thought and action on people today and what is their impact on people tomorrow? As a study of people, history offers both a necessary understanding of one’s place in the human experience, and the conceptual framework for a lifelong avocation.

The Associate in Arts in History for Transfer (AA-T in History) is intended for students who plan to transfer and complete a bachelor’s degree in History, or a similar major at a CSU campus. Students completing this degree (AA-T) are guaranteed admission to the CSU system but not necessarily to a particular campus or major of choice. Students should consult with a counselor for more information on university admission and transfer requirements as this AA-T in History degree may not be the best option for students intending to transfer to a particular CSU campus or to a college or university that is not part of the CSU system. To earn an AA-T in History, students must complete the following: 60 semester or 90 quarter CSU transferable units. Minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA. A minimum of 18 specified major units. All courses in the major must be completed with a grade of C or better (Title 5 §55063).

Certified completion of the California State University General Education-Breadth pattern or the Intersegmental General Education Transfer Curriculum (IGETC for CSU) pattern.

In addition to General Education degree requirements, complete the following:

REQUIRED CORE

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST M130</td>
<td>United States History Through Reconstruction</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST M140</td>
<td>United States History Since the Civil War</td>
<td>3.0</td>
</tr>
<tr>
<td>TOTAL UNITS</td>
<td></td>
<td>6.0</td>
</tr>
</tbody>
</table>

LIST A - Select and complete two courses (6 units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST M150</td>
<td>World History: From Prehistory to 1500</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST M170</td>
<td>Western Civilization: From Prehistory to 1600</td>
<td>3.0</td>
</tr>
<tr>
<td>TOTAL UNITS</td>
<td></td>
<td>6.0</td>
</tr>
</tbody>
</table>

LIST B - Select and complete one course from each GROUP (6 units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST M131</td>
<td>African American History to 1877</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST M133</td>
<td>History of Mexican Americans in the United States</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST M135</td>
<td>Native American History</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST M141</td>
<td>African American History Since 1877</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST M145</td>
<td>Race and Ethnicity in American History</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST M152</td>
<td>History of Asia from Prehistory to 1600</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST M162</td>
<td>History of Asia from 1600 to the Present</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST M150 or HIST M160 if not used in LIST A</td>
<td>3.0</td>
<td></td>
</tr>
</tbody>
</table>

GROUP 1: Diversity (1 Course, 3 Units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST M137/H137H</td>
<td>History of American Women/Honors</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST M143</td>
<td>History of California</td>
<td>3.0</td>
</tr>
<tr>
<td>HIST M164</td>
<td>Latin American History</td>
<td>3.0</td>
</tr>
</tbody>
</table>

GROUP 2: History (1 course, 3 units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANY COURSE FROM LIST A OR LIST B NOT ALREADY USED</td>
<td>3.0</td>
<td></td>
</tr>
</tbody>
</table>

PROGRAM STUDENT LEARNING OUTCOMES

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

- analyze how historical events, issues and human activity over time has shaped our world today.
- positively engage and contribute to society as informed citizens.
- on children and families, including socialization, diverse family structures, family interpersonal relationships, education and mass media influences.
- analyze a variety of programs available to pre-school children and employ essential components for a quality program.
ASSOCIATE IN ARTS IN KINESIOLGY
FOR TRANSFER DEGREE

The Associate in Arts in Kinesiology for Transfer (AA-T) program is designed to prepare students for CSU transfer to complete a bachelor’s degree in Kinesiology, Exercise Science, Physical Education, pre-Physical Therapy, Athletic Training and other related allied health professions. Interested students may also pursue careers as personal trainers. Students completing this degree, AA-T in Kinesiology are guaranteed admission to the CSU system, but not necessarily to a particular campus or major of choice. Students should consult with a counselor for more information on university admission and transfer requirements as this AA-T in Kinesiology degree may not be the best option for students intending to transfer to a particular CSU campus or to a college or university that is not part of the CSU system.

To earn an AA-T Kinesiology, students must complete the following:

1. 60 semester or 90 quarter CSU transferable units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA.
3. A minimum of 20-25 specified major units. All courses in the major must be completed with a grade of C or better (Title 5 §55063).
4. Certified completion of the California State University General Education-Breadth pattern or the Intersegmental General Education Transfer Curriculum (IGETC for CSU) pattern.

In addition to General Education degree requirements, complete the following:

REQUIRED CORE

Complete the following three courses (11 units):  
ANAT M01  Human Anatomy  4.0  
KIN M01  Introduction to Kinesiology  3.0  
PHSO M01/M01H  Human Physiology/Honors  4.0  
UNIT from MOVEMENT-BASED COURSES  3.0-4.0  
UNIT from LIST A  6.0-10.0

TOTAL UNITS  20.0-25.0

MOVEMENT-BASED COURSES (3 unit minimum) - Select and complete one course maximum from any four following areas (3-4 units):

DANCE
DANC M10A  Ballet I - Fundamentals  2.0
DANC M10B  Ballet II - Beginning  2.0
DANC M11A  Jazz Dance I - Fundamentals  2.0
DANC M11B  Jazz Dance II - Beginning  2.0
DANC M12A  Modern Dance I - Fundamentals  2.0
DANC M12B  Modern Dance II - Beginning  2.0
DANC M13A  Tap I - Fundamentals  1.5
DANC M13B  Tap II - Beginning  1.5
DANC M16A  Hip Hop I - Fundamentals  1.5
DANC M17  Musical Theater Dance  1.0-2.0
DANC M30A  Theory and Practice of Social Dance Forms: Ballroom Dance I  1.5
DANC M30B  Theory and Practice of Social Dance Forms: Ballroom Dance II  1.5

FITNESS
KIN M23  Walking For Fitness  1.0
KIN M24  Running for Fitness and Conditioning  1.0
KIN M31  Body Conditioning/Fitness  1.0
KIN M32  Body Conditioning/Free Weights  1.0
KIN M33  Power Lifting/Free Weights  1.0
KIN M34  Body Conditioning Boot Camp  1.0
KIN M40  Cardio Step and Sculpt  1.0
KIN M42  Aerobic Dance Fitness  1.0
KIN M43  Cardio Kickboxing  1.0
KIN M50  Pilates Mat  1.0
KIN M51  Core Stability and Stretch  1.0
KIN M52  Core Fitness with Cardio  1.0
KIN M53  T’ai Chi Ch’uan  1.0

INDIVIDUAL SPORTS
KIN M71  Golf  1.0
KIN M72  Tennis  1.0

TEAM SPORTS
KIN M82  Basketball  1.0
KIN M84  Soccer  1.0
KIN M85  Softball  1.0
KIN M87  Volleyball  1.0

LIST A - Select and complete 6-10 units from 2 different OPTIONS below:

OPTION 1
MATH M15/M15H  Introductory Statistics/Honors  4.0

OPTION 2
BIOL M01  Introduction to Biology  4.0
BIOL M02A/M02AH  General Biology I/Honors  5.0
BIOL M16  Human Biology  3.0

OPTION 3
CHEM M01A/M01AH  General Chemistry I/Honors  5.0
CHEM M11  Foundations of General, Organic, and Biochemistry  5.0
CHEM M12  Introductory Chemistry I  4.0
CHEM M13  Introductory Chemistry II  5.0

OPTION 4
PHYS M10A  General Physics I  4.0
AND
PHYS M10AL  General Physics I Lab  1.0
OR
PHYS M20A  Mechanics of Solids and Fluids  4.0
AND
PHYS M20AL  Mechanics of Solids and Fluids Lab  1.0

OPTION 5
HED M05  First Aid, CPR and Emergency Procedures  3.0

PROGRAM STUDENT LEARNING OUTCOMES

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

• apply the science of kinesiology to understand, appreciate and achieve the maximum benefits provided by physical movement for developing an individual’s health and wellness.
ASSOCIATE IN SCIENCE IN EXERCISE SCIENCE DEGREE

The Exercise Science Fitness Specialist program will prepare students for careers in entry level jobs in the fitness and health industry. This program provides knowledge and leadership skills necessary for preparing students to become Certified Personal Trainers and/or Certified Group Fitness Instructors. To earn an Associate in Science Degree in Exercise Science, students must complete 18 specified units, the college’s General Education requirements and/or elective units for a minimum of 60 units.

In addition to General Education degree requirements, complete the following:

REQUIRED COURSES

Complete the following courses (12 units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HED M05</td>
<td>3.0</td>
</tr>
<tr>
<td>KIN M16</td>
<td>3.0</td>
</tr>
<tr>
<td>KIN M17</td>
<td>3.0</td>
</tr>
<tr>
<td>KIN M18</td>
<td>3.0</td>
</tr>
</tbody>
</table>

UNITS from PROGRAM ELECTIVES 6.0

TOTAL UNITS 18.0

PROGRAM ELECTIVES

Select a minimum of 6 units:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANAT M01*</td>
<td>4.0</td>
</tr>
<tr>
<td>BIOL M01*</td>
<td>4.0</td>
</tr>
<tr>
<td>HED M03</td>
<td>3.0</td>
</tr>
<tr>
<td>KIN M13</td>
<td>3.0</td>
</tr>
<tr>
<td>KIN M80</td>
<td>1.0 - 4.0</td>
</tr>
<tr>
<td>PHSO M01*</td>
<td>4.0</td>
</tr>
<tr>
<td>PHSO M01H*</td>
<td>4.0</td>
</tr>
</tbody>
</table>

*Students planning on transferring to a university should select two of the following courses: ANAT M01, BIOL M01, PHSO M01 or PHSO M01H

PROGRAM STUDENT LEARNING OUTCOMES

Students completing the Associate in Science in Exercise Science will be able to:

- apply the science of kinesiology to understand, appreciate and achieve the maximum benefits provided by physical movement for developing an individual’s health and wellness.
- understand and demonstrate the necessary skills for being successful within the field of personal training.
- understand and demonstrate the core components to foundations of group fitness.

EXERCISE SCIENCE: FITNESS SPECIALIST CERTIFICATE OF ACHIEVEMENT

To earn a Certificate of Achievement in Exercise Science: Fitness Specialist, students complete 18 or more specified units. The Fitness Specialist Certificate of Achievement will prepare students for careers in entry level jobs in the fitness and health industry. This program provides applied knowledge and leadership skills necessary for students to become Personal Trainers and/or Group Fitness Instructors. In addition to acting as a primary hiring qualification for major fitness employers, the earning of this certificate may also serve as a means for current fitness professionals to earn wage increases and career advancement.

REQUIRED COURSES

Complete the following courses (12 Units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS M30</td>
<td>3.0</td>
</tr>
<tr>
<td>KIN M16</td>
<td>3.0</td>
</tr>
<tr>
<td>KIN M17</td>
<td>3.0</td>
</tr>
<tr>
<td>KIN M18</td>
<td>3.0</td>
</tr>
</tbody>
</table>

PROGRAM ELECTIVES

Select and complete a minimum of 6 units:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANAT M01</td>
<td>4.0</td>
</tr>
<tr>
<td>BIOL M01</td>
<td>4.0</td>
</tr>
<tr>
<td>HED M03</td>
<td>3.0</td>
</tr>
<tr>
<td>HED M05</td>
<td>3.0</td>
</tr>
<tr>
<td>KIN M13</td>
<td>3.0</td>
</tr>
<tr>
<td>KIN M80</td>
<td>1.0 - 4.0</td>
</tr>
<tr>
<td>NTS M01</td>
<td>3.0</td>
</tr>
<tr>
<td>PHSO M01</td>
<td>4.0</td>
</tr>
</tbody>
</table>

TOTAL UNITS 18.0

PROGRAM STUDENT LEARNING OUTCOMES

Students completing the Certificate of Achievement in Exercise Science will be able to:

- understand and demonstrate the necessary skills for being successful within the field of personal training.
- understand and demonstrate the core components to foundations of group fitness.
- be prepared to test for two accredited personal training certifications: National Academy of Sports Medicine (NASM) and National Strength & Conditioning Association (NSCA).
- be prepared to take the certification exam for the American Council on Exercise (ACE) group fitness instructor.
MATH

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COMMENTS*

Change in prerequisites.

MATH M01 – ELEMENTARY ALGEBRA  5 UNITS
Prerequisites: 1 year of high school pre-algebra or equivalent with grade of C or better or MATH M09 or placement as determined by college’s multiple measures assessment process.
Class Hours: 5 lecture
Reviews briefly arithmetic including integers, fractions, and decimals. Covers algebraic expressions, linear equations and inequalities, graphing lines, systems of linear equations, integer exponents, polynomials, factoring of polynomials, solving quadratic equations by the factoring method, and rational expressions. MATH M01 is equivalent to MATH M01A and MATH M01B. Unit credit may be received for either MATH M01 or (MATH M01A and MATH M01B, or MATH 04A), but not both. Does NOT apply to Associate Degree.

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COMMENTS*

Change in prerequisites.

MATH M01A – ELEMENTARY ALGEBRA PART A  3 UNITS
Prerequisites: MATH M09 or LS M07B or 1 year of high school prealgebra with grade of C or better or placement as determined by college’s multiple measures assessment process.
Class Hours: 3 lecture
Briefly reviews arithmetic, including integers, fractions, and decimals. Covers linear equations and inequalities, graphing, and systems of linear equations. This course is the first part of a two-semester course sequence: MATH M01A and MATH M01B. Completion of both courses is equivalent to MATH M01. Unit credit may be received for either MATH M01 or (MATH M01A and MATH M01B), but not both. Does NOT apply to Associate Degree.

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COMMENTS*

Change in prerequisites and decrease in units from 3 units to 2 units.

MATH M01B – ELEMENTARY ALGEBRA PART B  2 UNITS
Prerequisites: MATH M01A or placement as determined by college’s multiple measures assessment process.
Class Hours: 2 lecture
Covers polynomials, rational expressions, and integer exponents. Also includes square roots and radical expressions, and quadratic equations and the quadratic formula. This course is the second part of a two-semester course sequence: MATH M01A and MATH M01B. Completion of both courses is equivalent to MATH M01. Unit credit may be received for either MATH M01 or (MATH M01A and MATH M01B, or MATH 04A), but not both. Applies to Associate Degree.

NEW

COMMENTS^ Approval status of program occurred post 2018-2019 Catalog publication.

MATH M707 - BRIDGE TO COLLEGE ALGEBRA AND TRIGONOMETRY (MATH M07)  0.5 UNITS
Prerequisites: None
Class Hours: 0.5 lecture
Prepares student for the prerequisite materials necessary to be successful in Math M07. Includes factoring, equations of lines, rational, radical and quadratic equations, and logarithms. Applies to Associate Degree.

NEW

COMMENTS^ Approval status of program occurred post 2018-2019 Catalog publication.

MATH M725A - BRIDGE TO CALCULUS WITH ANALYTIC GEOMETRY I (MATH M25A)  0.5 UNITS
Prerequisites: None
Class Hours: 0.5 lecture
Prepares student for the prerequisite materials necessary to be successful in Math M25A. Includes rationalizing denominators, factoring, logarithms, piecewise functions, and trigonometric functions. Applies to Associate Degree.

NEW

COMMENTS^ Approval status of program occurred post 2018-2019 Catalog publication.

MATH M725B - BRIDGE TO CALCULUS WITH ANALYTIC GEOMETRY II (MATH M25B)  0.5 UNITS
Prerequisites: None
Class Hours: 0.5 lecture
Prepares student for the prerequisite materials necessary to be successful in Math M25B. Includes differentiation of algebraic and transcendental functions, integration, u-substitution, and the chain rule for differentiation. Applies to Associate Degree.
MUS M05 – ELECTRONIC MUSIC 3 UNITS
Prerequisites: None
Class Hours: 2 lecture, 3 lab
Introduces the techniques and elements of electronic music production. Includes topics such as synthesis, sampling, and MIDI sequencing. Requires the creation of compositions utilizing electronic music techniques. Applies to Associate Degree. Transfer credit: CSU

PHIL M03 – INTRODUCTION TO SOCIAL AND POLITICAL PHILOSOPHY 3 UNITS
Prerequisites: None
Class Hours: 3 lecture
Introduces the major social and political theories in Western thought. Explains the organization of societies and the formation of governments. Examines the concept of justice, equality, rights and duties, class, and power structures. Applies to Associate Degree. Transfer credit: CSU; UC
PSYCHOLOGY

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COMMENTS
Revised Recommended Prep.
Added: ENGL M01A and ENGL M01AH.

PSY M05 – SOCIAL PSYCHOLOGY  3 UNITS
Prerequisites: None
Recommended Prep: ENGL M02 or ENGL M01A or ENGL M01AH
Class Hours: 3 lecture
C-ID: PSY 170
Introduces social relationships, emphasizing interpersonal attraction
and person perception. Covers topics such as long-term relationships,
prosocial behavior, attitude formation and changes, and the nature
of prejudice, aggression, and conformity. Provider approved by the
California Board of Registered Nursing. Provider number CEP2811 for
45 contact hours. Applies to Associate Degree. Transfer credit: CSU; UC