The following information includes corrections, additions, and approval status updates of courses and programs that occurred post 2015-2016 Catalog production.
STUDENT LEARNING
DIVISIONS/DEPARTMENTS

PAGE: 4
COMMENTS
Revised Dean Name: Dean Kim Hoffmans to
Dean Norman Marten

COURSE IDENTIFICATION
NUMBERING SYSTEM (C-ID)

PAGE: 70
COMMENTS
Corrected: ARTS 220 | MM M10 to
ARTS 250 | MM M10
ASSOCIATE IN SCIENCE IN BIOLOGY FOR TRANSFER DEGREE

The Associate in Science in Biology for Transfer (AS-T) is intended for students who plan to transfer and complete a bachelor’s degree in Biology 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 Biology.

To earn an AS-T in Biology, 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 35 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.
4. Obtain certification of the Intersegmental General Education Transfer Curriculum for Science, Technology, Engineering, Math (IGETC for STEM) or the California State University General Education-Breadth for Science, Technology, Engineering, Math (CSU GE-Breadth for STEM) pattern.

REQUIRED CORE

Complete the following courses (10 Units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL M02A/M02AH General Biology I/Honors</td>
<td>5.0</td>
</tr>
<tr>
<td>BIOL M02B General Biology II</td>
<td>5.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNITS from LIST A</td>
<td>15.0</td>
</tr>
<tr>
<td>UNITS from PHYSICS REQUIREMENT</td>
<td>10.0</td>
</tr>
</tbody>
</table>

TOTAL UNITS 35.0

LIST A - Complete the following courses (15 Units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM M01A/M01AH General Chemistry I/Honors</td>
<td>5.0</td>
</tr>
<tr>
<td>CHEM M01B General Chemistry II</td>
<td>5.0</td>
</tr>
<tr>
<td>MATH M25A/M25AH Calculus with Analytic Geometry I/Honors</td>
<td>5.0</td>
</tr>
</tbody>
</table>

PHYSICS REQUIREMENT: Select and complete one Physics sequence with corresponding labs (10 Units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS M10A General Physics I</td>
<td>4.0</td>
</tr>
<tr>
<td>PHYS M10AL General Physics I Lab</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYS M10B General Physics II</td>
<td>4.0</td>
</tr>
<tr>
<td>PHYS M10BL General Physics II Laboratory</td>
<td>1.0</td>
</tr>
</tbody>
</table>

OR

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS M20A Mechanics of Solids and Fluids</td>
<td>4.0</td>
</tr>
<tr>
<td>PHYS M20AL Mechanics of Solids and Fluids Lab</td>
<td>1.0</td>
</tr>
<tr>
<td>PHYS M20B Thermodynamics, Electricity and Magnetism</td>
<td>4.0</td>
</tr>
<tr>
<td>PHYS M20BL Thermodynamics, Electricity and Magnetism Laboratory</td>
<td>1.0</td>
</tr>
</tbody>
</table>

BIOL M13 – INTRODUCTION TO 4 UNITS BIO TECHNOLOGY & MOLECULAR BIOLOGY

Prerequisites: None

Class Hours: 3 lecture, 3 lab

Examines the role of molecular biology in the manufacturing of commercial pharmaceutical and agricultural products. Introduces students to basic biotechnology laboratory skills, including documentation, safety, and solution and buffer preparation. Develops student proficiency in aseptic techniques, spectrophotometry, molecular biology techniques, and electrophoresis. (Formerly BIOL M11A.) (Same as BIOT M10.) Applies to Associate Degree. Transfer credit: CSU; UC
BIOTECHNOLOGY MANUFACTURING OPERATOR
CERTIFICATE OF ACHIEVEMENT

The Biotechnology Manufacturing Operator Certificate of
Achievement offers fundamental skills often needed for entry
level positions in biotechnology manufacturing.

To earn a Certificate of Achievement for Biotechnology
Manufacturing Operator, students must complete 12-13
specified units.

REQUIRES COURSES

<table>
<thead>
<tr>
<th>COURSE</th>
<th>DESCRIPTION</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL M01</td>
<td>Introduction to Biology</td>
<td>4.0</td>
</tr>
<tr>
<td>OR</td>
<td>BIOL M02A General Biology I</td>
<td>5.0</td>
</tr>
<tr>
<td>BIOT M10</td>
<td>Introduction to Biotechnology &amp; Molecular Biology</td>
<td>4.0</td>
</tr>
<tr>
<td>OR</td>
<td>BIOL M13 Introduction to Biotechnology &amp; Molecular</td>
<td>4.0</td>
</tr>
<tr>
<td></td>
<td>Biology</td>
<td></td>
</tr>
<tr>
<td>BIOT M02A</td>
<td>Environmental Control and Process Support</td>
<td>2.0</td>
</tr>
<tr>
<td>OR</td>
<td>BIOL M12A Environmental Control and Process Support</td>
<td>2.0</td>
</tr>
<tr>
<td>BIOT M02B</td>
<td>Manufacturing: Quality Control and Validation</td>
<td>2.0</td>
</tr>
<tr>
<td>OR</td>
<td>BIOL M12B Manufacturing: Quality Control and Validation</td>
<td>2.0</td>
</tr>
<tr>
<td>TOTAL UNITS</td>
<td></td>
<td>12.0 – 13.0</td>
</tr>
</tbody>
</table>

PAGE: 120
COMMENTS
Renumbered Course: From BIOT M01A to BIOT M10
Revised Course Title: From Introduction to
Biotechnology & Molecular Biology I to Introduction to
Biotechnology & Molecular Biology

BIOT M10 – INTRODUCTION TO 4 UNITS
BIOTECHNOLOGY & MOLECULAR BIOLOGY
Prerequisites: None
Class Hours: 3 lecture, 3 lab
Examines the role of molecular biology in the
manufacturing of commercial pharmaceutical and
agricultural products. Introduces students to basic
biotechnology laboratory skills, including
documentation, safety, and solution and buffer
preparation. Develops student proficiency in aseptic
techniques, spectrophotometry, molecular biology
techniques, and electrophoresis. (Formerly BIOT
M01A.) (Same as BIOL M13.) Applies to Associate
Degree. Transfer credit: CSU; UC
ASSOCIATE IN SCIENCE IN BUSINESS ADMINISTRATION DEGREE

Study in business leads to a wide range of opportunities in a variety of industries such as banking, health care/biotechnology, law, entertainment, defense, computer/electronics, and education, as well as in government agencies and not-for-profit organizations. Students completing the Associate in Science in Business Administration degree program will expand their knowledge of the fundamentals of business/organizational operations as preparation for entering or advancing in positions within these same industries and organizations. This degree program may also be appropriate for those planning to transfer into a business program at a college or university outside the CSU system.

To earn an Associate in Science in Business Administration, students must complete 25 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 (16 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>BUS M31</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS M33</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS M37</td>
<td>3.0</td>
</tr>
<tr>
<td>CIS M16</td>
<td>4.0</td>
</tr>
<tr>
<td>UNITS from LIST A</td>
<td>3.0</td>
</tr>
<tr>
<td>UNITS from LIST B</td>
<td>6.0</td>
</tr>
<tr>
<td><strong>TOTAL UNITS</strong></td>
<td><strong>25.0</strong></td>
</tr>
</tbody>
</table>

LIST B - Select and complete two (2) courses (6 units) from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT M120 Managerial Accounting</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS M32 Entrepreneurship and Small Business Management</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS M35 Sales Techniques</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS M39 Business Communication</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS M40 International Business</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS M41 Principles of Retailing</td>
<td>3.0</td>
</tr>
<tr>
<td>ECON M01 Principles of Microeconomics</td>
<td>3.0</td>
</tr>
<tr>
<td>ECON M02/M02H Principles of Macroeconomics/Honors</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Any course from LIST A not already used
The Associate in Arts in Elementary Teacher Education for Transfer (AA-T) is intended for students who plan to transfer and complete a bachelor's degree in Liberal Studies, Integrated Teacher Education, or a major deemed similar at a CSU campus. Students completing this AA-T degree are guaranteed admission to the CSU system, but not necessarily to a particular CSU campus or major of their choice. Students should consult with a counselor for more information on university admission and transfer requirements as this AA-T in Elementary Teacher Education 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 Elementary Teacher Education, students must:

1. Complete 60 semester or 90 quarter CSU transferable semester 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 majors may require a higher GPA.
3. Complete 50 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.
4. Obtain certification of the California State University General Education-Breadth pattern (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC for CSU) pattern.

NOTE: Although the IGETC pattern is permissible for the Associate Degree for Transfer, MATH M10 is NOT an approved course for the IGETC pattern, therefore it's recommended that the student complete the CSU GE-Breadth pattern for this degree or complete a transferable math course that is approved for the IGETC, as part of the completion of the IGETC.
FILM STUDIES

PAGE: 170
COMMENTS
Revised Course Title: From Contemporary World Film to Contemporary Global Cinema

FILM M32 – CONTEMPORARY GLOBAL CINEMA 3 UNITS
Prerequisites: None
Recommended Prep: FILM M10
Class Hours: 3 lecture
Introduces contemporary global cinemas to include the examination of genres, themes, styles, and industrial practices. Emphasizes cultural, economic, and political influences as artistically determining factors. Explores film and cultural theories such as transnationalism, global and local cinema, and Orientalism. (Formerly HUM M05.) Applies to Associate Degree. Transfer credit: CSU; UC

PAGE: 170
COMMENTS
Revised Course Title: From Images of Women in Film to Women in Cinema

FILM M51 – WOMEN IN CINEMA 3 UNITS
Prerequisites: None
Recommended Prep: FILM M10
Class Hours: 3 lecture
Examines the intersections of gender, race, class and sexuality in American and/or international film using critical and historical perspectives. Surveys the economic, historical, and social influences upon these representations from early cinema to the present, focusing primarily on images of women. Analyzes women's filmmaking, images of masculinity, and various "screen sexualities." Introduces a variety of film theories and analytical perspectives. (Formerly HUM M18). Applies to Associate Degree. Transfer credit: CSU; UC

PAGE: 170
COMMENTS
Revised Course Title: From Film Directors to Directors and Genres

FILM M41 – DIRECTORS AND GENRES 3 UNITS
Prerequisites: None
Recommended Prep: FILM M10
Class Hours: 3 lecture
Provides a focused study on the careers of selected cinema and media "auteurs" (directors) and examines their body of work in artistic, social, historical, and industrial terms. Examines recurring genres, themes, motifs, techniques, and aesthetic choices that define various directors' signature visual styles. Applies to Associate Degree. Transfer credit: CSU; UC
GAME DESIGN

PAGE: 174
COMMENTS
Added New Discipline: Game Design
Added New Course: GAME M102

GAME M102 – GAME DESIGN 3 UNITS

TECHNOLOGIES
Prerequisites: GAME M101
Recommended Prep: MM M10
Class Hours: 2 lecture, 3 lab
Introduces the fundamentals, concepts, and vocabulary of computer game tools and techniques. Covers a variety of digital tools and game engines to create playable environments. Includes topics such as game design technologies, virtual world building, game flow, pacing, schooling and planning, and deployment strategies such as desktop, console, and web. Previous computer programming experience is not required. Applies to Associate Degree. Transfer credit: CSU.

MULTIMEDIA

PAGE: 207
COMMENTS
Corrected C-ID: MM M10 from ARTS 220 to ARTS 250

MM M10 – INTRODUCTION TO DIGITAL MEDIA 3 UNITS

Prerequisites: None
Recommended Prep: Eligibility for ENGL M01A
Class Hours: 2 lecture, 3 lab
C-ID: ARTS 250
Introduces visual technologies, concepts and principles of design and production used by designers and media artists. Explores software applications as they relate to current methods of design and media arts production for print, screen, animation, interactivity, and 3D design. Investigates the historical and conceptual relationship between art, media, and technology. Applies to Associate Degree. Transfer credit: CSU

GRAPHICS

PAGE: 180
COMMENTS
Revised Course Title: From Visual Technologies to Introduction to Computer Graphics

GR M23 – INTRODUCTION TO COMPUTER GRAPHICS 3 UNITS

Prerequisites: None
Class Hours: 2 lecture, 3 lab
Introduces visual technologies, concepts and principles of production used by designers and media artists. Explores software applications as they relate to current methods of design and media arts production. Emphasizes the development of fundamental computer skills and an understanding of the relationship between digital media and visual design. Applies to Associate Degree. Transfer credit: CSU
ASSOCIATE IN SCIENCE IN NUTRITION AND DIETETICS FOR TRANSFER DEGREE

The Associate in Science in Nutrition and Dietetics for Transfer (AS-T) is intended for students who plan to transfer and complete a bachelor’s degree in Nutrition and Dietetics 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 university admission and transfer requirements as this AS-T Nutrition and Dietetics may not be the best option for students intending to transfer to a particular campus or to a college or university that is not part of the CSU system.

To earn an AS-T in Nutrition and Dietetics, 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 27-31 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.
4. Obtain certification of the Intersegmental General Education Transfer Curriculum for Science, Technology, Engineering, Math (IGETC for STEM) or the California State University General Education-Breadth for Science, Technology, Engineering, Math (CSU GE-Breadth for STEM) pattern.

REQUIRED CORE

Complete the following four courses (16 Units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICR M01</td>
<td>5.0</td>
</tr>
<tr>
<td>NTS M01</td>
<td>3.0</td>
</tr>
<tr>
<td>PSY M01/M01H</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM M01A/M01AH</td>
<td>5.0</td>
</tr>
</tbody>
</table>

UNITs from LIST A: 8.0-10.0
UNITs from LIST B: 3.0-5.0
TOTAL UNITS: 27.0-31.0

LIST A – Select and complete two courses (8-10 Units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANAT M01</td>
<td>Human Anatomy</td>
</tr>
<tr>
<td>CHEM M01B</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CHEM M07A</td>
<td>Organic Chemistry</td>
</tr>
<tr>
<td>MATH M15/M15H</td>
<td>Introductory Statistics/Honors</td>
</tr>
</tbody>
</table>

LIST B – Select and complete one course (3-5 Units):

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL M01</td>
<td>Introduction to Biology</td>
</tr>
<tr>
<td>CHEM M12/M12H</td>
<td>Introductory Chemistry I/Honors</td>
</tr>
<tr>
<td>CHEM M13</td>
<td>Introductory Chemistry II</td>
</tr>
<tr>
<td>NTS M07</td>
<td>Cultural Foods</td>
</tr>
<tr>
<td>NTS M09</td>
<td>Introduction to Food Science with Lab</td>
</tr>
<tr>
<td>POLS M03/M03H</td>
<td>American Government and Politics/Honors</td>
</tr>
<tr>
<td>SOC M01/M01H</td>
<td>Introduction to Sociology/Honors</td>
</tr>
</tbody>
</table>

NTS M09 – INTRODUCTION TO FOOD SCIENCE WITH LAB   3 UNITS

Prerequisites: None
Class Hours: 2 lecture, 3 lab
Applies food science principles with emphasis on ingredient function and interaction, and food preparation techniques. Explores sensory evaluation standards, and examines food safety and sanitation. Applies to Associate Degree. Transfer credit: CSU; UC
PHOTOGRAPHY

PAGE: 222
COMMENTS
Renumbered Course: From PHTC M31 to PHTC M31A
Revised Course Title: From Studio Lighting to Studio Lighting I

PHTC M31A – STUDIO LIGHTING I 2 UNITS
Prerequisites: PHOT M10 or Suitable portfolio
Class Hours: 0.5 lecture, 4.5 lab
Introduces basic studio lighting techniques and principles utilizing artificial light sources as used in commercial and fine art photographic applications. Emphasizes the control and quality of light. Includes still life and studio portraiture. (Formerly PHTC M31.)
Applies to Associate Degree. Transfer credit: CSU

PAGE: 222
COMMENTS
Revised Course Title: From Basic Photojournalism to Introduction to Photojournalism

PHTC M35 – INTRODUCTION TO 3 UNITS PHOTOJOURNALISM
Prerequisites: PHOT M10 or Suitable portfolio
Class Hours: 2 lecture, 3 lab
Introduces aspects of film and digital photography applicable to documentary, multimedia, film, mass communication, broadcast and print journalism. Concentrates on translating ideas to images for reproduction in print and multimedia presentations. Stresses storytelling and lighting techniques and explores philosophical, historical and ethical issues in the field of photojournalism. Introduces professional photographic practices. (Formerly PHOT M35.) Applies to Associate Degree. Transfer credit: CSU; UC
DISCONTINUED DEGREES AND CERTIFICATES

Please refer to the 2015-16 College Catalog for current program information or meet with a Counselor to discuss alternative options.

Discontinued Degrees

- Astrophysics, A.S. Degree
- Business Accounting, A.S. Degree
- Business Management, A.S. Degree
- Business Sales & Marketing, A.S. Degree
- Health Information Management, A.S. Degree
- Mathematics, A.A Degree
- Music, A.A. Degree
- Multimedia: Multimedia Animation, A.S. Degree
- Multimedia: Multimedia Broadcast, A.S. Degree
- Multimedia: Multimedia Business, A.S. Degree
- Multimedia: Multimedia Communication, A.S. Degree
- Multimedia: WWW Design, A.S. Degree
- Photojournalism, A.S. Degree
- Physical Education: Human Performance, A.A., Degree
- Theatre Arts: Directing, A.A. Degree

Discontinued Certificates

- Child Development: Infant/Toddler, Certificate of Achievement
- Child Development: Master Teacher, Certificate of Achievement
- Child Development: Preschool, Certificate of Achievement
- Child Development: School Age Child Care, Certificate of Achievement
- Child Development: Site Supervisor, Certificate of Achievement
- Child Development: Teacher Permit, Certificate of Achievement
- Multimedia: Multimedia Animation, Certificate of Achievement
- Multimedia: Multimedia Broadcast, Certificate of Achievement
- Multimedia: Multimedia Business, Certificate of Achievement
- Multimedia: Multimedia Communication, Certificate of Achievement
- Multimedia: WWW Design, Certificate of Achievement
- Music: Choral Conducting, Certificate of Achievement
- Music: Instrumental Conducting, Certificate of Achievement
- Music: Vocal Performance, Certificate of Achievement
- Photojournalism, Certificate of Achievement
- Sales and Marketing, Certificate of Achievement
- Therapeutic Massage, Certificate of Achievement