ASSOCIATE OF ARTS/SCIENCE DEGREE REQUIREMENTS
HECCC GRID
2003-2004

COLUMBIA, MERCED, MODESTO JUNIOR, AND SAN JOAQUIN DELTA COLLEGES

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**Key to Symbols**
- * = Lab
- ** = credit allowed one course only
- ^= American Institutions, course can be used in one area only
- += transfer credit may be limited by UC or CSU or both

**Approved: OCTOBER 14, 2002**

### AREA A. NATURAL SCIENCE

<table>
<thead>
<tr>
<th>COLUMBIA</th>
<th>MERCED</th>
<th>MODESTO</th>
<th>SJ DELTA</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 courses required: one each from B.1, B.2, B.4. Courses from B.1 or B.2 must include a lab as listed in B.3*</td>
<td>AA-3 units</td>
<td>3 units</td>
<td>One course from:</td>
</tr>
<tr>
<td>B.1</td>
<td>AS-6 units</td>
<td>AG 376</td>
<td>AH SC 10, OR 10* 10L*</td>
</tr>
<tr>
<td>CHEM 1A*, 1B*, 10*, 20</td>
<td>ARCH 01</td>
<td>AP 50, 150</td>
<td>ANTH 2 or 2 + 2L*</td>
</tr>
<tr>
<td>ESC 5*, 10, 30, 40, 60</td>
<td>ASTR 01</td>
<td>ANSC 200</td>
<td>ASTRO 1* OR 1+1L*</td>
</tr>
<tr>
<td>GEOGR 15</td>
<td>CHEM 01A*, 01B*, 02A*, 02B*</td>
<td>ANTHR 101, 105*</td>
<td>BIOL 10, 11</td>
</tr>
<tr>
<td>PHYS 1, 4A, 4B, 5A*, 5B*</td>
<td>GEOG 01</td>
<td>ASTRO 141, 160</td>
<td>CHEM 1A*, 3A*, 10</td>
</tr>
<tr>
<td>B.2</td>
<td>GEOL 01*</td>
<td>BIOL 50, 101*, 111*, 114, 115, 128, 130/130L*, 140*, 145*</td>
<td>FCS 6</td>
</tr>
<tr>
<td>BIOL 2*, 4*, 6*, 10*, 17*, 24*, 60*, 65*</td>
<td>PHYS 02A*, 04A*, 10</td>
<td>BOT 110*</td>
<td>GEOG 1 OR 1/1L*</td>
</tr>
<tr>
<td>B.3</td>
<td>SOIL 10*</td>
<td>CHEM 101*, 142*, 143*, 150</td>
<td>GEOL 10</td>
</tr>
<tr>
<td>BIOL 2*, 4*, 6*, 10*, 17*, 24*, 60*, 65*</td>
<td>B.2</td>
<td>EASC 161*</td>
<td>NR 2</td>
</tr>
<tr>
<td>CHEM 1A*, 1B*, 10*</td>
<td>ANAT 25*</td>
<td>ELTEC 208/INTEC 208</td>
<td>PHSC 1</td>
</tr>
<tr>
<td>ESC 5*</td>
<td>ANSC 10</td>
<td>ENSCI 108</td>
<td>PHYSICS 10</td>
</tr>
<tr>
<td>PHYSCS 4A, 4B, 5A*, 5B*</td>
<td>ANTH 01*</td>
<td>FDNTR 219, 351</td>
<td>PLANT 10</td>
</tr>
<tr>
<td>B.4</td>
<td>BIOL 01*, 04*, 06, 08, 20*, 25</td>
<td>METEO 160</td>
<td></td>
</tr>
<tr>
<td>MATH 2, 4A, 4B, 6, 8, 10, 12, 16, 18A, 18B, 18C, 100B, 101, 165</td>
<td>BOT 01*</td>
<td>MICRO 101*</td>
<td></td>
</tr>
<tr>
<td>BUSAD 163</td>
<td>GENE 10</td>
<td>NR 200, 215, 220</td>
<td></td>
</tr>
<tr>
<td>Course from B.4 must be completed with a C or better grade.</td>
<td>PHYO 01*</td>
<td>PHSCI 52, 161, 164*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PLSC 10*</td>
<td>PHYS 101*, 142*, 160, 164, 165*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ZOO 01*</td>
<td>PLSC 200, 230</td>
<td></td>
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</tbody>
</table>

**FOR AS (OCCUPATIONAL EDUCATION) DEGREE:**

Two courses required: one course from B.1 or B.2 and one course from B.4 above.

Courses from B.4 must be completed with a C or better grade.

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Source: This articulation grid is produced by the Higher Education Consortium of Central California.
HECCC is a partnership of the following institutions: California State University Stanislaus, Merced College, San Joaquin Delta College, University of California Merced, and Yosemite Community College District which is comprised of Columbia College and Modesto Junior College.
### AREA B. SOCIAL SCIENCE

+ designed to meet ethnic studies requirement

**FOR AS (OCCUPATIONAL EDUCATION) DEGREE:**

Two courses required: one from HIST 16 or 17 or POLSC 10 and one from D1-D0 excluding HIST 16, 17 or POLSC 10. 

#### D.1
- ANTHR 1, 2, 3, 10, 15+
- **D.2**
  - ECON 10, 11
  - **D.3**
    - ANTHR 15+
    - HIST 20+
    - SOCIO 5+
  - **D.4**
    - HIST 21
  - **D.5**
    - GEOGR 12, 18
  - **D.6**
    - HIST 11, 13, 14, 16^, 17^, 20^, 21, 55
  - **D.7**
    - CHILD 22
    - JRNAL 1
    - NATRE 1
  - **D.8**
    - POLSC 10^, 12, 14
  - **D.9**
    - CHILD 1
    - PSYCH 1, 35
  - **D.0**
    - SOCIO 1, 2, 5+

**FOR AS (OCCUPATIONAL EDUCATION) DEGREE:**

Two courses required: one from HIST 16 or 17 or POLSC 10; and one course from D1-D0 above. (HIST 16, 17 and POLSC 10 may not be double counted in Area B).
### AREA C. HUMANITIES

**Columbia**

- 2 courses: one from C.1 and one from C.2

  **C.1**
  - ART 11, 12, 13
  - DRAMA 10, 20, 42, 43
  - H-HP 20, 27
  - MUSIC 2, 10, 11, 12

  **C.2**
  - ENGL 1B*, 11, 17, 46, 47, 50
  - HUMAN 1, 2, 3, 4
  - INDIS 1
  - PHIO 1, 4, 25
  - SPAN 1A, 1B, 2A, 2B

  *ENGL 1B can be used in A.3 or C.2 but not both.

**Merced**

- 3 units minimum:

  - ART 01, 02, 03, 04, 06, 12A, 15, 24A
  - DRAM 01, 02
  - DRAM 03/ENGL 03
  - ENGL 03/DRAM 03
  - ENGL/HUM 18
  - ENGL 01B, 05, 06A, 06B, 07, 08, 09, 10, 11
  - FREN 01, 01A, 01B, 02, 03
  - GERM 01, 02, 03
  - HUMG 01, 01A, 01B, 02
  - HUM 01, 02, 15, 21
  - ITAL 01, 02, 03
  - JPN 01A, 01B
  - MUS 01, 11, 12, 13, 14
  - PHIL 01, 01H, 03, 04
  - SPAN 01, 02, 03, 10, 11

**Modesto**

- 3 units minimum:

  - ARCH 117, 118
  - ART 160, 161, 162, 163, 164, 165, 166, 168, 169
  - FILM 153, 154
  - FREN 101, 102, 103, 104
  - GERM 101, 102, 103, 104
  - HIST 104, 105
  - HUM 101, 105, 106, 110
  - INDIS 55, 105
  - MUSIC 110, 112, 113, 118, 169
  - PE/THETR 194
  - PHIO 101, 111, 115, 120, 121, 123, 140
  - PORTG 51
  - RATV 150
  - SIGN 125, 126, 127
  - SOCSCE 105
  - SPAN 51, 52, 101, 102, 103, 104, 111, 112, 138
  - THETR 100, 110, 120, 124, 150, 165;

**SJ Delta**

- One course required:

  - ANTH 4
  - ART 1A, 1B, 2, 3, 4
  - CIVIL 3
  - DRAMA 10, 20A, 16B
  - ENG 30, 35A, 37, 38, 39, 40A, 40B, 42A, 42B, 45, 46A, 46B, 47, 49, 52, 55, 57
  - FCS 43
  - FOREIGN LANGUAGE 1, 51-52
  - HUM 3, 4
  - MUSIC 1, 2A, 2B, 4, 7, 8
  - PHIO 6
  - SIGN LANGUAGE 22

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### AREA D. LANGUAGE AND RATIONALITY

<table>
<thead>
<tr>
<th>COLUMBIA</th>
<th>MERCED</th>
<th>MODESTO</th>
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<tbody>
<tr>
<td>3 courses required: one each from A.1, A.2, and A.3</td>
<td>6 units minimum: 3 units each from 1 and 2</td>
<td>6 units: 3 from D.1 and 3 from D.2</td>
<td>One course minimum from each group:</td>
</tr>
<tr>
<td><strong>A.1</strong> SP COM 1, 4</td>
<td><strong>D.1</strong> ENGL 50, 101</td>
<td><strong>Group A:</strong> ENGL 1A, 74 A/B, 79, 79L</td>
<td></td>
</tr>
<tr>
<td><strong>A.2</strong> ENGL 1A</td>
<td><strong>D.2</strong> BUS AD 210</td>
<td><strong>Group B:</strong> AG BUS 13</td>
<td></td>
</tr>
<tr>
<td><strong>A.3</strong> ENGL 1B*, 1C, SPCH 2</td>
<td><strong>ENGL 103</strong></td>
<td>MATH 1, 10, 12, 13, 17A, 30, 31, 36, 82, 84A/B, 87</td>
<td></td>
</tr>
</tbody>
</table>
**ENGL 1B can be used in A.3 or C.2 but not both** | **MATH 101, 105, 106, 111, 115, 121, 122, 130, 134, 138, 144, 171** | PHIL 30 |
| All courses in Area A1, A2, A3 must be completed with a C or better grade. | **PHILO 103, 105, 107** | **Group C:** COMMUNICATION STUDIES 1A, 3, 8 |

#### FOR AS (OCCUPATIONAL EDUCATION) DEGREE:

Two courses required: one course from A.2 and one course from A.1 or A.3 above.

*Eng 1B can be used in A.3 or C.2 but not both*

All courses in Area A1, A2, A3 must be completed with a C or better grade.

### AREA E. LIFELONG UNDERSTANDING

<table>
<thead>
<tr>
<th>COLUMBIA</th>
<th>MERCED</th>
<th>MODESTO</th>
<th>SJ DELTA</th>
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</thead>
<tbody>
<tr>
<td>One course from:</td>
<td>5 units, 3 units from 1) &amp; 2 units from 2</td>
<td>3 units minimum:</td>
<td>One course required:</td>
</tr>
<tr>
<td><strong>BIOL 50</strong></td>
<td><strong>FAML F 131</strong></td>
<td><strong>FAML F 131</strong></td>
<td><strong>AJ 21</strong></td>
</tr>
<tr>
<td><strong>GUIDE 1, 7</strong></td>
<td><strong>HE 110, 111</strong></td>
<td><strong>HE 110, 111</strong></td>
<td><strong>Biol 30</strong></td>
</tr>
<tr>
<td><strong>H-HP 6A, 60, 65</strong></td>
<td><strong>PSYCH 110, 130, 141</strong></td>
<td><strong>PSYCH 110, 130, 141</strong></td>
<td><strong>BUS 8, 20</strong></td>
</tr>
<tr>
<td><strong>PSYCH 5, 10, 30, 35</strong></td>
<td><strong>SOCIO 12, 28</strong></td>
<td><strong>SOCIO 12, 28</strong></td>
<td><strong>CS 11</strong></td>
</tr>
<tr>
<td><strong>Socio 12, 28</strong></td>
<td></td>
<td></td>
<td><strong>EDUC 10</strong></td>
</tr>
</tbody>
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#### FOR AS (OCCUPATIONAL EDUCATION) DEGREE:

No course required in Area E.

**3 units minimum:**

**FAML F 131**

**HE 110, 111**

**PSYCH 110, 130, 141**

**AJ 21**

**Biol 30**

**BUS 8, 20**

**CS 11**

**EDUC 10**

**ENG 34**

**FCS 2, 3, 5, 23**

**GUID 12**

**H ED 1**

**MCOM 1**

**PHILO 40**

**POLSC 5**

**PSYCH 30**

**SOCIO 1B, 27, 33**

**COMMUNICATION STUDIES 7, 11**

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# Associate of Arts/Science Degree Requirements

## HECCC Grid
2003-2004

<table>
<thead>
<tr>
<th>Competency Requirements</th>
<th>COLUMBIA</th>
<th>MERCED</th>
<th>MODESTO</th>
<th>SJ DELTA</th>
</tr>
</thead>
</table>
| **FOR AA/AS AND AS (OE) DEGREES:**

**Written Competency**
- ENGL 1A with C or better
- Pass ENGL A/AR with C or better or ENGL 1A or equivalent with C or better.

**Math Competency**
- BUS AD 163, MATH 100B or 101 or 165 or higher level course with C or better or meet thru challenge exam with C or better.
- MATH A (or MATH B) with C or better or any course with MATH A as a prerequisite, or the equivalent.
- MATH 50, 67, 70, 71 & 72 or higher with a C or AG 280 with a C or demonstrate algebra competency with a MATH 90 eligibility on the math assessment.

**Reading Competency**
- ENGL 1A with C or better or meet thru challenge exam with C or better.
- Pass ENGL 41 or equivalent with C or better or C or better in each course used to meet breadth.
- Reading competency can be demonstrated by completion of the Title V breadth requirements for an Associate Degree with a C average or better (2.0), or by completion of Reading 184 with a C or better. Students who have previously established Reading Competency through the MJC assessment process retain those rights.

**Computer and Information Literacy Competency**
- Effective Fall 2000, receive a grade of “C” or better in courses which meet the computer and information literacy competency requirements A through G. See college catalog for detailed listing.

Minimum Competency must be demonstrated by a grade of “C” or better in courses offered in satisfaction of Area D.

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<table>
<thead>
<tr>
<th>INSTITUTIONAL REQUIREMENTS</th>
<th>COLUMBIA</th>
<th>MERCED</th>
<th>MODESTO</th>
<th>SJ DELTA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 H-HP activity courses (formerly PE)</td>
<td></td>
<td></td>
<td></td>
<td>One course from: GUID 109, 110, 111, 112, 116, 120, 122; AG 115; ARCH/ENGR 100; ST-SK 78, 120; AUBDY/AUTEC/INTEC 115; NURSE 115</td>
</tr>
<tr>
<td>MAJOR:</td>
<td>AA 18 units minimum - AS/ASOE - Varies per program</td>
<td>AA - 18 units minimum AS - 30 units minimum</td>
<td>AA - 20 units minimum AS - 30 units minimum</td>
<td>AA - 18 units minimum AS - varies per program</td>
</tr>
<tr>
<td>DEGREE APPLICABLE COURSES:</td>
<td>Courses No. I-199</td>
<td>Courses No. 1-79, A, B, and C</td>
<td>Courses No. 50-399</td>
<td>Courses No. I-69 and 70-99 as designated</td>
</tr>
<tr>
<td>TOTAL UNITS REQUIRED FOR DEGREE:</td>
<td>60</td>
<td>60</td>
<td>62</td>
<td>60</td>
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</table>

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