

ASSOCIATE OF ARTS/SCIENCE DEGREE REQUIREMENTS

HECCC GRID

2009-2010

Established: Fall 1991

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

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Key to Symbols

* = Lab

**= credit allowed one course only

+ = transfer credit may be limited by UC or CSU or both

Revised: 10/01/09

Approved: 10/26/09

	COLUMBIA	MERCED	MODESTO	SJ DELTA
AREA . B NATURAL SCIENCE	<p><i>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*</i></p> <p>B.1 CHEM 1A*, 1B*, 10*, 11*, 12*, 20 ESC 1, 5*, 10, 12, 22, 30, 33*, 40, 42, 50*, 62 GEOGR 15 PHYCS 1, 2, 4A*, 4B*, 5A*, 5B*</p> <p>B.2 BIOL 2*, 4*, 6*, 10*, 17*, 24*, 60*, 65*</p> <p>B.3 BIOL 2*, 4*, 6*, 10*, 17*, 24*, 60*, 65* CHEM 1A*, 1B*, 10*, 11*, 12* ESC 5*, 33*, 50* PHYCS 4A*, 4B*, 5A*, 5B*</p> <p>B.4 MATH 2, 4A, 4B, 6, 8, 12, 17A, 17B, 18A, 18B, 104, 106 BUSAD 163</p> <p><i>Course from B.4 must be completed with a C or better grade.</i></p> <p>FOR AS (OCCUPATIONAL EDUCATION) DEGREE: <i>Two courses required: one course from B.1 or B.2 and one course from B.4 above.</i></p>	<p>AA- 3 units AS- 3 units from B.1 3 units from B.2</p> <p>B.1 ARCH 01 ASTR 01, 01L* CHEM 02A*, 02B*, 04A*, 04B* ELCT 30 GEOG 01 GEO 01* PHSC 01, 01L* PHYS 02A*, 04A*, 10 SOIL 10*</p> <p>B.2 ANSC 10 ANTH 01* BIOL 01*, 04*, 04H*, 06, 08, 09, 12*, 13*, 16*, 18*, 20*, 25 ENTC 30 PLSC 10*</p>	<p><i>3 units</i> AG 376 ANAT 125 AP 50, 150 ANSC 200 ANTHR 101, 105* ASTRO 141, 160 BIOL 50, 101*, 111*, 115, 130, 130/130L*, 140*, 145* BOT 110* CHEM 101*, 102*, 142, 143*, 144, 150, 164* EASCI 161*, 162* ELTEC 208/INTEC 208 ENSCI 108 FDNTR 219, 351 GEOG 101 GEO 160, 161*, 165, 166* INTEC 208 METEO 161* MICRO 101* NR 200*, 215, 220 PHSCI 52, 161, 164* PHYS 101*, 142*, 160, 164*, 160/164*, 165*, 180 PHYSO 101* PHYSO 103 PLSC 200, 230 PSYCH 103 ZOO 110*</p>	<p><i>One course from:</i> AH SC 010, ANTH 002 ASTRO 001 BIOL 010, 011, 012 CHEM 001A*, 003A*, 010 FCS 006 GEOG 001 GEO 001A*, 005, 010, 015, 016 NR 002 PHSC 001 PHYSICS 010 PLANT 010</p>

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.

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<p>AREA D. SOCIAL SCIENCE</p> <p>+ designed to meet ethnic studies requirement</p>	<p>Two courses required: one from HIST. 16 or 17 or POLSC 10 and one from D.1- D.0 excluding HIST. 16, 17 or POLSC 10</p> <p>D.1 ANTHR 1, 2,3, 10, 15+</p> <p>D.2 ECON 10, 11</p> <p>D.3 ANTHR 15+ SOCIO 5+ SPCOM 5+</p> <p>D.4 ANTHR 7 HHP 2^ HIST 21 SOCIO 7</p> <p>D.5 GEOGR 12</p> <p>D.6 HIST 11, 13, 14, 16, 17, 21, 55</p> <p>D.7 CHILD 22 JRNAL 1 NATRE 1 SPCOM 12</p> <p>D.8 POLSC 10, 12, 14</p> <p>D.9 CHILD 1^ PSYCH 1, 20^, 35^</p> <p>D.0 SOCIO 1, 2, 5+</p> <p>FOR AS (OCCUPATIONAL EDUCATION) DEGREE: Two courses required: one course from HIST 16 or 17 or POLSC 10; and one course from D1-D0 above.</p> <p>^HHP 2, PSYCH 20, PSYCH 35 & CHILD 1 may be used to satisfy D9 or E but not both.</p>	<p>6 units, one course from each category.</p> <p>Category 1 AGBS 11 AGRI 10 ANTH 02, 10* CRIM 01 ECON 01A, 1B GEOG 02, 30 PSYC 01A, 01AH, 15, 20, 25, 51 SOC 01, 02</p> <p>Category 2 HIST 04A, 04B, 08A+, 08B, 09A, 09B, 17A, 17AH, 17B, 17BH, 21+, 22+, 23, 24+, 29, 39 ABC, (as a unit) POSC 01, 02 SCSC 01</p>	<p>3 units minimum:</p> <p>ADJU 201, 235 AGEC 210 AGGE 146 ANTHR 102, 104, 140 BUSAD 240 CLDDV 103,160, 262 ECON 101, 102, 115 ENSCI 110 GEOG 102, 104, 105, 110 HIST 101, 102, 106, 107, 112, 113, 115, 119, 128, 154, 155 HUMSR 101,114, 142, 143 INDIS 55, 105 POLSC 101, 102, 110, 111, 120, 131, 140, 145, 151, 190 PSYCH 51, 101,104, 105, 111 SOCIO 101, 102, 131, 150, 154, 156 SOCSC 105, 110</p>	<p>One from each group:</p> <p>Group A: HIST 017A, 017B, 027, 030A, 030B, 031, 034 POLSC 001</p> <p>Group B: AGBUS 012 ANTH 001, 010 CDEV 021, 026 ECON 001A, 001B GEOG 002, 010 HIST 002A, 002B, 004A, 004B, 006A, 006B, 006C POLSC 002, 003 PSYCH 001 SOCSC 030 SOCIO 01A</p>

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AREA C. HUMANITIES	<p>2 courses: one from C.1 and one from C.2</p> <p>C.1 ART 11, 12, 13 DRAMA 10, 20, 42, 43 HHP 20, 27 MUSIC 2, 10, 11, 12</p> <p>C.2 ENGL 1B*, 11, 17, 18, 46, 47, 49, 50, 81 HIST 5* HUMAN 1, 2, 3, 4 INDIS 1 PHILO 1, 4, 5*, 25 SIGN 40A, 40B, 40C SPAN 1A, 1B, 2A, 2B</p> <p><i>*ENGL 1B can be used in A.3 or C.2 but not both. HIST 5/PHILO 5 can be used in A.3 or C2, but not both.</i></p> <p>FOR AS (OCCUPATIONAL EDUCATION) DEGREE: <i>One course required from C.1 or C.2 above.</i></p> <p><i>*Engl 1B can be used in A.3 or C.2 but not both. HIST 5/PHILO 5 can be used in A.3 or C2, but not both.</i></p>	<p>3 units minimum: ART 01, 02, 06, 12A, 15, 24A DRAM 01, 02 DRAM 03/ENGL 03 ENGL 03/DRAM 03 ENGL 18/HUM 18 ENGL 01B, 04A, 04B, 05, 06A, 06B, 07, 08, 09, 10, 11, 14, 18 FREN 01, 02, 03, 04 GERM 01, 02, 03, 04 HMNG 01, 02 HUM 01,01H, 02, 02H, 15+, 21, HUM 18/ENG 18 JPNS 01A, 01B, 02 MUS 01, 11, 12, 13, 14 PHIL 01, 01H, 03, 04, 05, 15 SPAN 01, 02, 03, 04, 10, 11</p>	<p>3 units minimum: ANTHR 104 ARCH 117, 118 ART 124, 160, 161, 162, 163, 164, 165, 168, 169 CMPGR 201 ENGL 102, 112, 114, 116, 131, 132, 135, 136, 137, 138, 151, 156, 157, 161, 162, 163, 168, 169, 171, 172, 173, 174, 175, 176, 179 FILM 153, 154, 155 FREN 101, 102, 103, 104 GERM 101, 102 HIST 104, 105 HUMAN 101, 105, 106, 110, 130, 140 INDIS 55, 105 INTDS 155 ITAL 101 MUSG 101, 102, 111, 121, 122 PE 194 PHILO 101, 111,113, 115, 120, 121, 123, 135, 140 PORTG 51 RATV 150 SIGN 125, 126, 127 SOCSC 105, 154 SPAN 51, 52, 101, 102, 103, 104, 109, 110, 112, 173 SPCOM 120, 124 THETR 100 ,102, 120, 124, 150, 165, 194</p>	<p>One course required: ANTH 004 ARAB 052 ART 001A, 001B, 001C, 002, 002A, 003, 004 CHIN 001 CIVIL 003 COM ST 002 CUL ARTS 016 DRAMA 010, 016A, 016B ENG 030, 035, 037, 038, 039, 040A, 040B, 042A, 042B, 043C, 043D, 045, 046A, 046B, 047, 052, 055, 057 FASHION 008, 009, 010 FREN 001 GERM 001 HORT 004 HUM 003, 004 ID 008 ITAL 001 JAPAN 001 MUSIC 001, 002A, 002B, 004, 007, 008 PHILO 006, 045 RELIGION 14A, 14B SL 001 SPAN 001, 001A, 002 TAG 052 VIET 052</p>

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AREA A. LANGUAGE AND RATIONALITY	<p>3 courses required: one each from A.1, A.2 and A.3</p> <p>A.1 SP COM 1, 4 A.2 ENGL 1A A.3 ENGL 1B*, 1C, SPCH 2, HIST 5*, PHILO 5*</p> <p><i>*ENGL 1B can be used in A.3 or C.2 but not both HIST 5/PHILO 5 can be used in A.3 or C.2, but not both.</i></p> <p>All courses in Area A.1, A.2, A.3 must be completed with a C or better grade.</p> <p>FOR AS (OCCUPATIONAL EDUCATION) DEGREE: Two courses required: one course from A.2 and one course from A.1 or A.3 above.</p> <p><i>*Engl 1B can be used in A.3 or C.2 but not both</i></p> <p>All courses in Area A1, A2, A3 must be completed with a C or better grade.</p>	<p>6 units minimum: 3 units each from A1 and A2</p> <p>A.1 ENGL 01A A.2 ACTG 04A COMM 01, 01H, 02, 04, 05, 30 CPSC 01 ENGL 13/PHIL 13 ENGL 13H/PHIL 13H MATH C, D, E, 02, 04A, 04B, 04C, 05A, 05B, 06, 08, 10, 15, 17, 20A, 20B, 21, 25, 26 PHIL 10, 12 PHIL 13/ ENGL 13 PHIL 13H/ENGL 13H PSYC 05</p>	<p>6 units: 3 from D.1 and 3 units from D.2</p> <p>D.1 ENGL 101 D.2 AGECE 225, BUSAD 210 CMPGR 264, 265 CMPSC 103, 201, 203, 213, 241, 261 ENGL 103 MATH 80, 88, 90, 101, 105, 106, 111 121, 122, 130, 134, 138, 171, 172 PHILO 103, 105, 107 SPCOM 100, 102, 103, 104, 106, 107, 110, 130 SUPR 106</p>	<p>One course minimum from each group:</p> <p>Group A: ENG 001A Group B: AG BUS 073* MATH 001, 010, 012, 013, 017A, 020, 022, 038A, 038B, 039, 082, 086* PSYCH 002 Group C: COMMUNICATION STUDIES 001A, 003, 008</p> <p><i>*This course satisfies the learning skills group B requirement of the Associates Degree General Education Pattern. It is not appropriate for students planning to transfer to a four year university and will not satisfy the prerequisite for a higher level transferable math course.</i></p>

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AREA E. LIFELONG UNDERSTANDING	<p><i>One course from:</i></p> <p>BIOL 50 CHILD 1^ GUIDE 1 HHP 2^, 5, 6A, 60 HPMGT 10 PSYCH 5, 10, 20^, 30, 35^, 40 SOCIO 12, 28</p> <p>FOR AS (OCCUPATIONAL EDUCATION) DEGREE: <i>No course required in Area E.</i></p> <p>^CHILD 1, HHP 2, PSYCH 20 & PSYCH 35 may be used to satisfy D9 or E but not both.</p>	<p><i>5 units, 3 units from 1) & 2 units from 2).</i></p> <p>1) AUTO 04 BUS 34, 35 CLDV 02 CLDV 09/PSYC 09 GUID 30, 48, 52 HLTH 10, 16 LAND 11 NUTR 10 PSYC 09/ CLDV 09 PSYC 22, 23, 35, 36 2) PHED 01, 02, 03, 10, 11, 12, 13, 15 DNCE 14/PHED 14 PHED 14/DANCE 14</p>	<p><i>3 units minimum:</i></p> <p>CLDDV 103 CLDDV 104 CLDDV 105 FAMLF 131 HE 110, 111, 118 PSYCH 104,110, 130, 141</p>	<p><i>One course required:</i></p> <p>AJ 021 BIOL 030 BUS 008, 020 COM ST 005, 007, 011 CS 011 EDUC 010 ENG 034 FCS 002, 003, 005, 023 GUID 008 H ED 001 LIBRY 003 MCOM 001, 004 PHILO 030, 040 POLSC 005 PSYCH 030 SOCIO 001B, 027, 033</p>

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Competency Requirements	FOR AA/AS AND AS (OE) DEGREES:			
Written Competency	ENGL 1A with C or better.	You must receive a grade of "C" or better in ENGL-01A, or the equivalent.	ENGL 101 with C or better or score of 3, 4, 5 on AP exam: Language & Composition or Literature & Composition	<i>Minimum Competency must be demonstrated by a grade of "C" or better in courses offered in satisfaction of Area D.</i>
Math Competency	Math 104, 106 or higher level course with C or better or meet thru challenge exam with C or better.	You must receive a grade of "C" or better in MATH-C (or MATH-D) or a grade of "C" or better in any course which has the prerequisite of Math C, or the equivalent.	MATH 80 or higher level math with a C or AG 280 with a C or demonstrate algebra competency with a MATH 100 level math eligibility on the math assessment; or a score of 3, 4, 5 on AP Exam: Calculus AB or Calculus BC or Statistics.	
Reading Competency	ENGL 1A with C or better or meet thru challenge exam with C or better.	You must receive a grade of "C" or better in ENGL-01A or the equivalent.	Reading competency can be demonstrated by completion of the applicable General Education pattern (MJC-GE, CSU-GE and/or IGETC) with a C average or better (2.0) or 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		<p>Merced College instituted a competency in Computer and Information Literacy in fall 2000. To meet the competency required in Computer and Information Literacy, you must receive a grade of "C" or better in courses which meet each of the competency requirements A through G listed below.</p> <p>A. Name and describe the typical digital computer components and their functions;</p> <p>B. Describe common computer applications and related social and ethical problems/impact;</p> <p>C. Learn fundamental operation and concepts of word processing, spreadsheet, and/or database software applications;</p> <p>D. Understand the difference between information and knowledge;</p> <p>E. Understand the links among information centers and the access points available through technology and reference sources;</p> <p>F. Understand the basic structure of electronic databases and the strategies used to access them;</p> <p>G. Recognize the different levels, types, and formats of information including but not limited</p>		

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INSTITUTIONAL REQUIREMENTS	<i>2 HHP activity courses (formerly PE)</i>		<i>One course from:</i> AG 115 ARCH 100; AUBDY 100, 115 AUTEK 115; GUIDE 109, 110, 111, 112, 116, 120 INTEC 115 ST-SK 78, <i>2 units from:</i> AG 100A, 100B ART 102, 108, 109, 110, 120, 121, 123, 125, 127, 140, 141, 142, 144, 145, 146, 147, 148, 149, 150, 170, 173, 175, 179, 181, 182, 189A, 191 CGR 201, 211, 212, 221, 224, 230, 333 CMPGR 202, 262, 284 ENGL 105, 106, 108, 109 ENGR 100 FILM 150 INTDS 140 JRNAL 120 B, C, 146 B, C, 179 MUSA 121, 122, 131, 135, 141, 143, 145, 151, 152, 161, 171, 173, 181 MUSC 111, 112, 121, 122, 126 MUSE 145, 151, 155, 156, 161, 165, 166, 171, 175, 176, 181, 185, 186 MUSP 151, 153 Any PE Activity RATV 131, 134, 141, 142, 168, 172, 178 SOCSC 58 SPCOM 105, 115, 122, 123, 125 THETR 103, 122, 123, 131, 160, 164, 175, 178, 183, 184, 185, 186, 187XA, 188XA, 189XA, 190A, B, 192, 195, 196	
MAJOR:	<i>AA 18 units minimum - AS/ASOE - Varies per program</i>	<i>AA - 18 units minimum AS - 30 units minimum</i>	<i>AA - 20 units minimum AS - 30 units minimum</i>	<i>AA - 18 units minimum AS - 18 units minimum</i>
DEGREE APPLICABLE COURSES:	<i>Courses No. 1-199</i>	<i>Courses No. 1-79, A, B, and C</i>	<i>Courses No. 50-399</i>	<i>Courses No. 1-69 and 70-99 as designated</i>
TOTAL UNITS REQUIRED FOR DEGREE:	60	60	60	60