

ASSOCIATE OF ARTS/SCIENCE DEGREE REQUIREMENTS

2015-2016 HECCC GRID

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

^=Although listed in more than one area, the course may be counted in one area only.

Revised: 6/16/15

Approved: 6/16/15

	COLUMBIA	MERCED	MODESTO	SJ DELTA
AREA . B NATURAL SCIENCE	<p>3 courses required: one each from B.1, B.2, B.4. One course from B.1 or B.2 must include a lab as listed in B.3*.</p> <p>B.1 CHEM 20, 30*, 2A, 2B, 4A, 4B, 5, 14, 16 ESC 1, 5*, 10, 22, 23*, 30, 33*, 40, 42, 50*, 62 GEOGR 15, NATRE 6 PHYCS 1, 2, 4A*, 4B*, 5A*, 5B*, 30*</p> <p>B.2 ANTHR 1, BIOL 2*, 4*, 6*, 10*, 17*, 24*, 60*, 65*, 150+</p> <p>B.3 BIOL 2*, 4*, 6*, 10*, 17*, 24*, 60*, 65* ESC 5*, 23*, 33*, 50* PHYCS 4A*, 4B*, 5A*, 5B*, 30*, CHEM 2AL, 2BL, 4AL, 4BL, 5L, 14L, 16L, 20L, 30*</p> <p>B.4 MATH 2, 4, 6, 8, 12, 17A, 17B, 18A, 18B, 18C, 104</p> <p>Course from B.4 must be completed with a C grade or better.</p> <p>FOR A.S. (OCCUPATIONAL EDUCATION) DEGREE: Two courses required: one course from B.1 or B.2 and one course from B.4 above.</p>	<p>3 units: ANSC 10 ANTH 01 ARCH 01 ASTR 01, 01L BIOL 01, 02, 04A, 04B, 06, 09, 16, 18, 20, 32, 32L CHEM 02A, 02B, 04A, 04B ELCT 30 GEOG 01, 15 GEOL 01, 02, 03 PHSC 01, 01L 02, 02L PHYS 02A, 02B, 04A, 04B, 04C, 10 PLSC 10 PSYC 15 SOIL 10</p>	<p>3 units: AG 376 ANAT 125* ANSC 200 ANTHR 101[^], 105* AP 50, 150* ASTRO 151, 160 BIOL 50, 101*, 111*, 114*, 115, 116*, 140*, 145* BOT 101*, CHEM 101*, 102*, 112*, 113*, 122*, 123*, 142, 143*, 144*, 150, 164* EASCI 161*, 162* ELTEC 208 ENSCI 108 GEOG 101 GEOL 160, 161*, 165, 166* METEO 161* MICRO 101*111 NR 200*, 215*, 220 PE 124 PHSCI 180* PHYS 101*, 102*, 103*, 142*, 143*, 160, 165*, 180* PHYSO 101* PHYSO 103 PLSC 200, 230 PSYCH 103 ZOO 101*</p>	<p>One course from: AH SC 010 ANTH 002 ASTRO 001 BIOL 001*, 002*, 003*, 010*, 011*, 012, 031*, 032*, 033* CHEM 001A*, 001B*, 003A*, 003B*, 010, 012A*, 012B* FCS 006 GEOG 001 GEOL 001A*, 001B* 005, 010*, 015, 015A, 016, 016A NR 002 PHSCI 001 PHYSICS 002A*, 004A*, 010 PLANT 010, 014</p>

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HECCC GRID

2015-2016

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AREA D. SOCIAL SCIENCE <i>+ designed to meet ethnic studies requirement</i>	<i>Two courses required: one from HIST 16 or 17 or POLSC 10 and one from D.1- D.10 excluding HIST 16, 17 or POLSC 10.</i> <u>D.1</u> ANTHR 1, 2,3, 10, 15+ <u>D.2</u> ECON 10, 11 <u>D.3</u> ANTHR 15+ SOCIO 5+ SPCOM 5+ <u>D.4</u> ANTHR 7 HHP 2^ HIST 21 SOCIO 7 <u>D.5</u> GEOGR 12 <u>D.6</u> HIST 11, 13, 14, 16, 17, 21, 55 <u>D.7</u> CHILD 22, CHILD 36 NATRE 1 SPCOM 12 <u>D.8</u> POLSC 10, 12, 14 <u>D.9</u> CHILD 1^ PSYCH 1, 15, 20^, 35^ <u>D.10</u> HHP 63 SOCIO 1, 2, SOCIO 5, SOCIO 8 or ANTHR 8 FOR A.S. (OCCUPATIONAL EDUCATION) DEGREE: <i>Two courses required: one course from HIST 16 or 17 or POLSC 10; and one course from D1-D10 above.</i> ^HHP 2, PSYCH 20, PSYCH 35 & CHILD 1 may be used to satisfy D9 or E but not both.	<i>6 units: one course from AREA D1 and one course from AREA D2.</i> <u>D1</u> AGBS 11 AGRI 10 ANTH 02, 10* CRIM 01 ECON 01, 02 GEOG 02, 12 PSYC 01A, 01AH, 15, 25 SOC 01, 02. 03 <u>D2</u> HIST 04A, 04B, 05, 09A, 09B, 17A, 17AH, 17B, 17BH, 22*, 23, 29 POSC 01, 02 *Designates ethnic studies course	<i>3 units minimum:</i> ADJU 201, 202, 203, 217^, 235 AGECE 210 AGGE 146 ANTHR 101, 102, 104^, 130, 140, 150 BUSAD 240 CLDDV 103^, 109, 160, 262 COMM 103,130 ECON 101, 102, 115 ENSCI 110 FAMLF 131^ GEOG 102, 104, 105, 110 HE 112 HIST 101, 102, 104^, 105^, 106^, 107^, 112, 113, 115, 116, 119, 125, 128, 129, 145, 154, 155 HUMSR 101,114, 142, 143 PHIL 130^ POLSC 101, 102, 110, 111, 120, 130, 131, 140,180 PSYCH 51, 101,104, 105, 111 SOCIO 101, 102,125, , 150, 154, 156 SOCSC 105^, 110	<i>One from each group:</i> Group A: HIST 017A, 017B, 027, 030A, 030B, 031, 034 POLSC 001, 004 Group B: AGBUS 012 ANTH 001, 006, 010 BUS 026 CDEV 021, 026 ECON 001A, 001B, 013 FCS 019 GEOG 002, 003, 010 HIST 002A, 002B, 004A, 004B, 006A, 006B, 006C, 037 HS 019 PETHEORY 041 POLSC 002, 003, 006 PSYCH 001, 003, 004 SOCIO 01A, 024 SOCSC 030

ASSOCIATE OF ARTS/SCIENCE DEGREE REQUIREMENTS

HECCC GRID

2015-2016

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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 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 PHILO 1, 5*, 25, 35 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.</i> <i>HIST 5/PHILO 5 can be used in A.3 or C.2, but not both.</i></p> <p>FOR A.S. (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.</i> <i>HIST 5/PHILO 5 can be used in A.3 or C.2, but not both.</i></p>	<p>3 units minimum: ART 01, 02, 06, 12A, 15, 24A ARTD 40A, 40B, 41A, 41B, 41C DRAM 01, 02, 02L, 04, 04L, 08, 12, 16, 23 ENGL 01B, 04A, 04B, 05, 06A, 06B, 07, 08, 10, 11, 14, 15, 18 FREN 01, 02, 03, 04 GERM 01, 02, 03, 04 HMNG 01, 02 HUM 01, 01H, 02, 02H, 15*, 21 JPNS 01A, 01B, 02 MUSA 21B, 25A, 27A MUSE 44, 45 MUSG 10, 11, 12, 13, 14 MUST 01, 02 PHIL 01, 01H, 03, 04, 05, 15 PHOT 10A, 10B, 11A, 33, 35, 36 SPAN 01, 02, 03, 04, 10, 11</p> <p><i>*Designates ethnic studies course.</i></p>	<p>3 units minimum: ANTHR 104^ ART 102, 120, 124, 140, 160, 162, 163, 164, 165, 168, 169, 170 CMPGR 202 COMM 120, 122, 123, 124 ENGL 102, 105, 106, 111, 112, 114, 116, 131, 132, 135, 136, 137, 138, 151, 156, 157, 161, 162, 163, 168, 169, 171, 172, 173, 174, 175, 176, 179 FREN 51, 52, 101, 102, 103, 104 GERM 101, 102 HIST 104^, 105^, 106^, 107^ HUMAN 101, 105, 106, 110, 130, 140 ITAL 101 MUSG 101, 102, 111, 121, 122 MUST 101, 121, 122, 123, 124 PE 194 PHILO 101, 111, 113, 115, 120, 121, 123, 130^, 135, 140 SIGN 125, 126, 127 SOCSC 105^, 154 SPAN 51, 52, 101, 102, 103, 104, 109, 110, 112, 173 THETR 100, 114, 120, 122, 123, 124, 160, 161, 194</p>	<p>One course required: ANTH 004 ARAB 001 ART 001A, 001B, 001C, 002, 002A, 003, 004, 006, 007A, 012, 020A, 33A, 40A, 064A CHIN 001, 002, 003, 004 CIVIL 003 COM ST 002 CUL ARTS 016 DANCE 029 DRAMA 010, 016A, 016B ENG 030, 035, 037, 038, 040A, 040B, 042A, 042B, 043C, 043D, 44D 044E, 045, 046A, 046B, 047, 049A, 049C, 052, 055A, 005B, 055C, 057 FASHION 008, 009, 010 FREN 001, 002, 003, 004, 005 GERM 001, 002, 003, 004 HIST 007 HORT 004 HUM 003, 004 ID 008 ITAL 001, 002, 003, 004 JAPAN 001, 002, 003, 004 MUSIC 001, 002A, 002B, 004, 007, 008 PHILO 006, 045, 050 PHOTO 001A RELIGION 14A, 14B SL 001, 002, 003, 004 SPAN 001, 001A, 002, 002A, 003, 004, 005, 006</p>

ASSOCIATE OF ARTS/SCIENCE DEGREE REQUIREMENTS

HECCC GRID

2015-2016

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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 SPCOM 1, 4</p> <p>A.2 ENGL 1A</p> <p>A.3 ENGL 1B*, 1C, SPCOM 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><i>All courses in Area A.1, A.2, A.3 must be completed with a C or better grade.</i></p> <p>FOR A.S. (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><i>All courses in Area A1, A2, A3 must be completed with a C or better grade.</i></p>	<p>6 units minimum: 3 units each from A1 and A2</p> <p>A1 ENGL 01A</p> <p>A2 ACTG 04A COMM 01, 01H, 02, 04, 05, 30 CPSC 07 ENGL 02, 13⁺, 13H⁺ MATH C, 02, 02H, 04A, 04B, 04C, 06, 07, 08, 10, 15, 20A, 20B, 25, 26 PHIL 10, 12, 13⁺, 13H⁺ PSYC 05</p> <p>⁺ENGL 13/13H = PHIL 13/13H</p>	<p>6 units: 3 from D.1 and 3 units from D.2</p> <p>D.1 ENGL 101</p> <p>D.2 AGEC 225, BUSAD 210 CMPGR , 265</p> <p>COMM 100, 102, 104, 106, 107, 110, 133 CSCI 200, 201, 203, 204, 213, 221, 230, 253, 271, 272, 273, 274 ENGL 103 LIBR 100 MATH 89, 90, 101, 105, 106, 111 121, 122, 130, 134, 138, 171, 172, 173, 174 PHILO 103, 105, 107 SUPR 106</p>	<p>One course minimum from each group:</p> <p>Group A: ENG 001A</p> <p>Group B: MATH 001, 002, 003, 004, 005, 010, 012, 013, 017A, 020, 038A, 038B, 039, 082, 093G, 092S PSYCH 002</p> <p>Group C: COMMUNICATION STUDIES 001A</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>

ASSOCIATE OF ARTS/SCIENCE DEGREE REQUIREMENTS

HECCC GRID

2015-2016

	COLUMBIA	MERCED	MODESTO	SJ DELTA
AREA E. LIFELONG UNDERSTANDING	<p><i>One course from:</i></p> <p>BIOL 50 CHILD 1^ GUIDE 1, 18, 30 HHP 2^, 5, 6A, 60</p> <p>INDIS 48 PSYCH 5, 10, 20^, 30, 35^, 40 SOCIO 12, 28 DD214 (Military Discharge)</p> <p>FOR A.S. (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 minimum: 3 units from E1 & 2 units from E2.</i></p> <p>E1 Integrated Organism</p> <p>AUTO 04 BUS 35 CLDV 01, 02, 09^, 38 CPSC 01 GUID 30, 48 HLTH 10, 15 KINE 01, 03 LAND 11 MGMT 50A, 50B, 50C, 50D, 50F, 50G, 50H, 50I, 50J, 50L, 50P, 51C, 51F, 51G, 52C, 52D NUTR 10 PSYC 09^, 22, 23, 36, 40 REGN 34 ^CLDV 09 = PSYC 09</p> <p>E2 Activity</p> <p>ATHL 01A, 01B, 01D, 01G, 01I, 01J, 01K, 01L, 02A, 02B, 02D, 02G, 02I, 02K, 03, 13 KINE 12A, 12B, 13, 14, 16, 19, 20, 23, 24A, 24B, 24C, 31, 32, 33, 34 PHED 10A, 10F, 10H, 11C, 11D, 12H, 15</p>	<p><i>3 units minimum:</i></p> <p>ADJU 217^ BUSAD 230 CLDDV 103^ CLDDV 111 COLSK 100 FAMLF 131^ FDNTR 219 HE 110, 111, 112, 118 PSYCH 110, 130, 141 DD214 (Military Discharge)</p>	<p><i>One course required:</i></p> <p>AJ 021 BIOL 030 BUS 008, 020 COM ST 003, 005, 007, 008, 011 CS 011 EDUC 010 FCS 002, 003, 005, 023 GUID 008 H ED 001 LIBRY 001, 002, 003 MCOM 001, 004 PHILO 030, 040 POLSC 005 PSYCH 030 SOCIO 001B, 027, 033 SOCSC 030</p>

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2015-2016

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Competency Requirements	FOR A.A./A.S. AND A.S. (OE) DEGREES:			
Written Competency	ENGL 1A with "C" or better.	Students 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 Competencies must be demonstrated by a grade of "C" or better in courses offered in satisfaction of Area A.</i>
Math Competency	Math 104 or higher level course with "C" or better.	Students must receive a grade of "C" or better in MATH-C or a grade of "C" or better in any course which has the prerequisite of Math C, or the equivalent.	MATH 89, 90 or higher level math with a "C" or demonstrate algebra competency with 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 or score of 5 on IB Exam: Mathematics HL.	
Reading Competency	ENGL 1A with "C" or better.	Students 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.	
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 to primary vs. secondary, and popular vs. scholarly.</p>	Students who have previously established Reading Competency through the MJC assessment process retain those rights	

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HECCC GRID

2015-2016

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INSTITUTIONAL REQUIREMENTS	2 HHP activity courses (formerly PE) DD214 will clear this requirement		<p><i>One course from:</i> AG 115 GUIDE 109, 110, 111, 112, 116, 120 ST-SK 78,</p> <p><i>2 units from:</i> AG 100A, 100B ART 108, 109, 110, 121, 123, 125, 129, 141, 142, 147, 148, 149, 158, 159, 173, 175, 191 CMPGR 284 COMM 105 ENGL 108 MUSA 121, 122, 123, 124, 135, 141, 142, 143, 144, 145, 151, 152, 153, 154, 155, 161, 162, 163, 164, 173, 183 MUSC 111, 112, 121, 122, 126 MUSE 145, 151, 155, 156, 161, 165, 171, 175, 176, 181 MUSP 151, 153 MUST 130, 131, 132, 133, 134, 141, 142, 143, 144 Any PE Activity SOCSC 58 THETR 103, 105, 117, 118, 129, 130, 131, 133, 134, 135, 136, 149, 151, 152, 153, 155, 159, 164, 168, 170, 174, 175, 176, 177, 178, 185, 186, 187, 188, 189, 190, 192, 195, 196 DD214 will clear this requirement</p>	
MAJOR:	A.A. 18 units minimum - A.S./A.S.OE - Varies per program	A.A. - 18 units minimum A.S. - 30+ units minimum	A.A. 18 units minimum A.S. 18 units minimum	A.A. - 18 units minimum A.S. - 18 units minimum
DEGREE APPLICABLE COURSES:	Courses No. 1-199	Courses No. 1-79 and the independent letters A, B, C, etc.	Courses No. 50-399	Courses No. 1-69 and 70-99 as designated
TOTAL UNITS REQUIRED FOR DEGREE:	60	60	60	60