

# 2021–2022 CSU General Education for STEM

In order to graduate with a bachelor's degree from a California State University, a student must complete a minimum of 48 units in a predetermined pattern of general education. **Allan Hancock College** will certify completion of up to 39 lower division general education units on the pattern below. The remaining required units must be upper division courses completed at the four year institution.

**Courses may not be used in more than one area. For Biology AS-T and Chemistry AS-T only**

OTHER COLLEGES	NEEDED	IN PROGRESS	COMPLETED	
				<p><b>AREA A: ENGLISH LANGUAGE COMMUNICATION AND CRITICAL THINKING</b>            (9 semester or 12-15 quarter units required with at least one course each from A1, A2, and A3) Grade of "C-" or better required in Area A.</p> <p><b>A1 Oral Communication</b> (3 semester or 4-5 quarter units): SPCH 101, 102, 106  <b>A2 Written Communication</b> (3 semester or 4-5 quarter units) Required: ENGL 101  <b>A3 Critical Thinking</b> (3 semester or 4-5 quarter units): ENGL 103; PHIL 112, 114; SPCH 106</p>
				<p><b>AREA B: SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING</b>            (9 semester or 12-15 quarter units required with at least one course each from Physical Sci., Life Sci., and Math./Quant. Reasoning) One lab course is required. Grade of "C-" or better required in Area B4. <b>Lab courses are underlined.</b></p> <p><b>B1 Physical Science</b> (3 semester or 4-5 quarter units): ASTR 100; CHEM <u>110</u>, <u>120</u>, <u>150</u>, <u>151</u>, <u>180</u>, <u>181</u>; GEOG 101, 110; GEOL 100, 114, 131, 141; PHSC <u>111</u>, <u>112</u>; PHYS 100, 110, <u>141</u>, <u>142</u>, <u>161</u>, <u>162</u>, <u>163</u>  <b>B2 Life Science</b> (3 semester or 4-5 quarter units):            AG 151, <u>161</u>; ANTH 101; BIOL <u>100</u>, <u>120</u>, <u>124</u>, <u>125</u>, <u>128</u>, <u>132</u>, 150, 154, 155  <b>B3 Laboratory Activity:</b> AG <u>151</u>; ANTH <u>110</u>, GEOG <u>115</u> or one lab course from Area B1 or B2.  <b>B4 Mathematics/Quantitative Reasoning</b> (3 semester or 4-5 quarter units):            MATH 100, 105, 121, 123, 131, 135, 141, 181, 182, 183, 184</p>
				<p><b>AREA C: ARTS AND HUMANITIES</b>            (6 semester or 8-10 quarter units required with one course each from Area C1 &amp; C2)</p> <p><b>C1 Arts</b> (3 semester or 4-5 quarter units)            ART 101, 103, 104, 105, 106, 110, 115, 120, 121, 122, 123, 125, 126, 127, 128, 160, 161, 163, 164, 165, 170; DANC 101; DRMA 103, 104, 110, 111; FASH 104; FCS 144; FILM 101, 102, 107, 110, 115; GRPH 110, 127, 129; MMAC 115; MUS 100, 101, 102, 104, 106; PHTO 101, 110</p> <p><b>C2 Humanities</b> (3 semester or 4-5 quarter units)            ASL 121, 138; ENGL 102, 106, 130, 131, 132, 133, 135, 137, 138, 139, 140, 144, 145, 146, 148; FILM 103, 104, 109, 119; FRCH 101, 102; HIST 101, 102, 104, 105, 138; HUM 101, 102, 104, 105; PHIL 101, 102, 105, 121, 122; SPAN 101, 102, 103, 104, 112; SPCH 108</p>
				<p><b>AREA D: SOCIAL SCIENCE</b>            (3 semester or 4-5 quarter units.)            AJ 101, 103; ANTH 102, 103; BUS 121, 141; ECON 101, 102, 121, 141; ECS 100, 101; ES 121; GEOG 102, 103, 105; GBST 101, 141; HIST 101, 102, 103, 107, 108, 118, 119, 120; HUM 101, 102, 103; LGBT 101, 102;            POLS 101, 103, 104, 105; PSY 101, 105, 112, 113, 117, 118, 119, 121; SOC 101, 102, 104, 110, 120, 155, 160; SPCH 103, 110</p>
				<p><b>AREA E: LIFELONG LEARNING &amp; SELF-DEVELOPMENT</b>            (3 semester or 4-5 quarter units) DANC 110, 120, 130; ECS 100; FCS 131; FSN 109, 110, 112; HED 100; HUSV 110; LS 101 PD 100, 101; PSY 106, 112, 113, 117, 118; SOC 106, 110.            NOTE: Only 1 unit from the following PE or PEIA courses is applicable to Area E: PE 120, 121, 123, 130, 133, 134, 140, 141, 142, 143, 144, 146, 154, 156, 160, 164, 167, 170, 172.; PEIA 100, 105, 110, 120, 125, 130, 135, 140, 145, 150, 155, 170, 185</p>
				<p><b>AREA F: ETHNIC STUDIES</b>            (3 semester or 4-5 quarter units)  <b>NOTE:</b> Students who began taking classes at Allan Hancock College prior to Fall 2021 and maintain Catalog Rights may complete previous catalog CSU GE requirements. See a counselor for further information.</p>
				<p><b>Total maximum lower division units in Areas A-E (33)</b></p> <p><b>NOTE: Some CSU campuses may require different or additional requirements. See a counselor regarding specific instructions for the CSU you have selected.</b></p>

**U.S. History and American Institutions**

a) ES 121 or HIST 107 or 108 or 118 **and**  
 b) POLS 101 or 103  
 The CSU system will not award a degree until the US History and American Institutions requirement is fulfilled. Political Science course to meet this requirement must be completed in a California institution.

## 2021-2022 Allan Hancock College AP Equivalency List

AP Examination	AP Score	AHC Associate Degree Subject Credit	AHC Unit Credit	AHC GE	CSU GE	IGETC
Art History	3 4,5	ART 103 ART 103+104	3 6	Category 3	3 sem units toward Area	3 sem units toward Area 3A or 3B
Biology	3,4,5	BIOL 100	4	Category 1	4 sem units in Area B2 & B3	4 sem units toward Area 5B & 5C
Calculus AB	3,4,5	MATH 181	4	Category 4B	3 sem units toward Area B4	3 sem units toward Area 2A
Calculus BC	3,4,5	MATH 181+182	8	Category 4B	3 sem units toward Area B4	3 sem units toward Area 2A
Calculus BC//AB Subscore	3,4,5	MATH 181+182	8	Category 4B	3 sem units toward Area B4	3 sem units toward Area 2A
Chemistry	3 4,5	CHEM 120 CHEM 150	4 5	Category 1	4 sem units toward Area B1 & B3	4 sem units toward Area 5A & 5C
Chinese Language and Culture	3,4,5	No Equivalent Course	3	Category 3	3 sem units toward Area C2	3 sem units each toward Area 3B and 6A
Comparative Government & Politics	3,4,5	POLS 105	3	Category 2A	3 sem units toward Area D8	3 sem units toward Area 4H
Computer Science A	3 4,5	N/A CS	3 (Elective) 4	N/A Category 4B w/ 4 or 5 score	N/A	N/A
Computer Science Principles	3 4,5	N/A CS 111+112	3 (Elective) 8	N/A Category 4B w/ 4 or 5 score	3 sem units toward Area B4	N/A
English Language and Composition	3,4,5	ENGL 101	4	Category 4A	3 sem units toward Area A2	3 sem units toward Area 1A
English Language and Composition and English Literature and Composition	3,4,5 and 3,4,5	ENGL 101 and ENGL 102	4 and 3	Category 4A and Category 4B	3 sem units toward Area A2 and 3 sem units toward Area C2	3 sem units toward Area 1A and 3 sem units toward Area 1A or 3B
English Literature and Composition	3,4,5	ENGL 101	4	Category 4A	6 sem units toward Area A2 + C2	3 sem units toward Area 1A or 3B
Environmental Science	3,4,5	BIOL 120	3	Category 1	4 sem units toward Area B1 & B3	3 sem units toward Area 5A and 5C
European History	3,4,5	No Equivalent Course	3	Category 3	3 sem units toward Area C2 or D6	3 sem units toward Area 3B or 4F
French Language and Culture	3,4,5	FRCH 102	5	Category 3	3 sem units toward Area C2	3 sem units each toward Area 3B and 6A
French Literature	3, 4, 5	No Equivalent Course	3	Category 3	N/A (F09)	3 sem units each toward Area 3B and 6A
German Language and Culture	3,4,5	No Equivalent Course	3	Category 3	3 sem units toward Area C2	3 sem units each toward Area 3B and 6A
Human Geography	3,4,5	GEOG 102	3	Category 2A	3 sem units toward Area D5	3 sem units toward Area 4E
Italian Language and Culture	3,4,5	ITAL 103	5	Category 3	3 sem units toward Area C2	3 sem units each toward Area 3B and 6A
Japanese Language and Culture	3,4,5	No Equivalent Course	3	Category 3	3 sem units toward Area C2	3 sem units each toward Area 3B and 6A
Latin Literature or Latin: Vergil	3,4,5	No Equivalent Course	3	Category 3	N/A (F09) N/A (F12)	3 sem units each toward Area 3B and 6A
Latin	3,4,5	No Equivalent Course	3	Category 3	3 sem units toward Area C2	3 sem units each toward Area 3B and 6A
Macroeconomics	3,4,5	ECON 101	3	Category 2A	3 sem units toward Area D2	3 sem units toward Area 4B
Microeconomics	3,4,5	ECON 102	3	Category 2A	3 sem units toward Area D2	3 sem units toward Area 4B
Music Theory	3,4,5	MUS 111	4	Category 3	N/A (F09)	N/A
Physics 1	3,4,5	N/A	4 (Elective)	Category 1	4 sem units toward Area B1 & B3	4 sem units toward Area 5A & 5C
Physics 2	3,4,5	N/A	4 (Elective)	Category 1	4 sem units toward Area B1 & B3	4 sem units toward Area 5A & 5C
Physics B	3,4,5	N/A	4 (Elective)	Category 1	N/A (F13)	4 sem units toward Area 5A & 5C
Physics C: Electricity and Magnetism	3,4,5	PHYS 141	4	Category 1	4 sem units toward Area B1 & B3	3 sem units toward Area 5A & 5C
Physics C: Mechanics	3,4,5	PHYS 141	4	Category 1	4 sem units toward Area B1 & B3	3 sem units toward Area 5A & 5C
Psychology	3,4,5	PSY 101	3	Category 2A	3 sem units toward Area D9	3 sem units toward Area 4I
Spanish Language and Culture	3,4,5	SPAN 103	5	Category 3	3 sem units toward Area C2	3 sem units each toward Area 3B and 6A
Spanish Literature and Culture	3,4,5	N/A	3(Elective)	Category 3	3 sem units toward Area C2	3 sem units each toward Area 3B and 6A
Statistics	3,4,5	MATH 123	4	Category 4B	3 sem units toward Area B4	3 sem units toward Area 2A
Studio Art: 2D Design	3,4,5	N/A	3 (Elective)	N/A	N/A	N/A
Studio Art: 3D Design	3,4,5	N/A	3 (Elective)	N/A	N/A	N/A
Studio Art: Drawing	3,4,5	N/A	3 (Elective)	N/A	N/A	N/A
U.S. Government & Politics	3,4,5	N/A	3 (Elective)	Category 2B	3 sem units toward Area D8 + US-2	3 sem units toward Area 4H and US2
U. S. History	3 4,5	HIST 118 HIST 107+108	3 6	Category 2B	3 sem units toward Area C2 or D6 + US-1	3 sem units toward Area 3B or 4F and US1
World History	3 4,5	HIST 101 HIST 101+102	3 6	Category 3	3 sem units toward Area C2 or D6	3 sem units toward Area 3B or 4F