

April 24, 2017

Dear Professor Stanskas and Professor Panske,

We as California community college mathematics faculty are writing to you as leaders of the Intersegmental Curriculum Workgroup and C-ID Advisory Committee to express our support for statistics pathways. We support statistics pathways as a means for students to satisfy both lower division quantitative reasoning requirements and Statistics requirements or options for the Associate Degree for Transfer (ADT).

We are concerned for several reasons about the recent proposed inclusion of intermediate algebra as a separate course requirement for nine ADTs associated with popular majors, such as Administration of Justice, Psychology, Business Administration, and Kinesiology. This change will require students to not only complete Statistics but also to demonstrate intermediate algebra proficiency, which will shut tens of thousands of students out of statistics pathways.

The decision to add the intermediate algebra proficiency to these ADTs is the result of a problematic process initiated by the ICW and will exacerbate low completion rates and inequity in educational outcomes for community college students.

Exacerbates low completion and inequity

In community colleges nationwide, intermediate algebra requirements have historically driven low transfer math completion rates for all students with a substantial disproportionate impact on students of color. In California the discriminatory impact of intermediate algebra requirements is receiving increasing public scrutiny. In 2016 UC Berkeley Law Professor Chris Edley requested an investigation by the U.S. Department of Education into the disparate impact of such requirements on protected groups as a violation of the equal protection clause of the California State Constitution and federal regulations associated with Title VI of the Civil Rights Act of 1964.

With a focus on equity for all community college transfer students, the CSU Quantitative Reasoning Task Force report (September 2016) describes transfer policies based on intermediate algebra requirements as holding community college students to a higher standard of math proficiency than entering CSU freshmen who pass the CSU math placement test (ELM) or remediate within the CSU.

Given that the imposition of intermediate algebra will exacerbate racial inequity in educational outcomes, both in ADT completion for these popular majors and in transfer, and hold community college students who remediate to a higher standard, the ICW must require a strong evidence base to determine whether intermediate algebra proficiency is in fact needed for success in the majors associated with these ADTs.

Problematic process

As mathematicians and math educators we expect mathematics requirements for any ADT to be meaningfully aligned with upper division requirements for the major. We rely on the

expertise of the Faculty Disciplinary Review Groups (FDRGs) for these ADTs to make this determination in light of a good understanding of the learning goals and topics of intermediate algebra as contrasted with elementary algebra.

Because this decision will impact tens of thousands of students each year, we were dismayed and disappointed to learn that the memo sent to the FDRG Leads imposed intermediate algebra as a default if the FDRG did not respond in a short window of time when many colleges were on spring break. In addition, there was no expectation that the FDRG would provide evidence that intermediate algebra is indeed required for upper division course work in the major or that they would vet the proposed change publicly as is currently done with changes to the Transfer Model Curriculum.

After the change to C-ID Math 110 prerequisite, all of the ADTs in question would have allowed a student to fulfill math requirements using an approved statistics pathway because none of the other required course work for these ADTs has intermediate algebra as a prerequisite. Allowing students in majors that require statistics to benefit from a statistics pathway promises to be a high leverage strategy for improving completion rates, decreasing time to degree and addressing equity gaps. However, despite the fact that intermediate algebra proficiency is not needed for success in lower division major prep in these ADTs, it is now being imposed with no evidence that it is required for upper division course work in the associated majors.

Remedy

To protect tens of thousands of students each year from educationally unjustified math requirements that also perpetuate inequity, we request that intermediate algebra be removed as a requirement in every ADT until a rigorous content validation process can demonstrate the legitimate need of core intermediate algebra skills as preparation for upper division course work in the associated major.

Because the community colleges will be expected to verify intermediate algebra proficiency, this validation needs to adhere to Title 5 standards for establishing prerequisites; namely, the FDRG must make the case that students without intermediate algebra proficiency are “highly unlikely” to succeed in the program of study.

We further request that ICW and C-ID Advisory Committee require the FDRGs to vet proposed changes to the ADTs and make public the decisions and rationales for the inclusion of intermediate algebra, as is currently done with changes to the Transfer Model Curriculum.

In closing we are inspired by the completion and equity goals of both the CCC and CSU. We support legitimate and meaningful mathematics requirements clearly aligned with a student's program of study, including the use of statistics pathways to meet lower division requirements for quantitative reasoning and for major preparation in non-math intensive fields.

Sincerely,

California community college mathematics faculty, chairs and deans from **53** colleges whose names and emails represent expressed support for this letter:

1. Richard Abdelkerim, Assistant Professor of Mathematics, Pasadena City College, RJABDELKERIM@pasadena.edu
2. Carole Akl, Instructor of Mathematics (Tenured), Curriculum Committee Chair, Los Angeles Mission College, aklce@lamission.edu
3. Tigran Alikhanyan, Assistant Professor of Mathematics, LA Harbor College, Alikhat@lahc.edu
4. Maula Allen, Math Instructor, Coordinator Math Pathways, College of Marin, Mallen@marin.edu
5. Joseph Almeida, Instructor of Mathematics, Laney College, jalmeida@peralta.edu
6. Asadyan Anahit, Instructor of Mathematics, College of the Canyons, anahit.asadyan@canyons.edu
7. Cindy Anfinson, Assistant Professor Mathematics, Palomar College, canfinson@palomar.edu
8. Annalinda Arroyo, Mathematics Instructor, Cuyamaca College, annalinda.arroyo@gcccd.edu
9. Ingrid Barbullushi, Instructor of Mathematics, College of the Canyons, ingrid.barbullushi@canyons.edu
10. Khalilah Beal, Professor of Mathematics, College of Alameda, kbeal@peralta.edu
11. Jack Bennett, Associate Professor of Mathematics, Ventura College, jbennett@vcccd.edu
12. Francois Bereaud, Chair Math Department, Miramar College, fbereaud@sdccd.edu
13. Susan Bickford, Professor of Mathematics, El Camino College, sbickford@elcamino.edu
14. Michelle Brock, Professor of Mathematics, American River College, BrockM@arc.losrios.edu
15. Amber Buntin, Assistant Professor or Mathematics, College of the Redwoods, amber-buntin@redwoods.edu
16. Randy Bush, Math instructor, Shasta College, rbush@shastacollege.edu
17. Yvette Butterworth, Associate Professor Mathematics, College of San Mateo, butterworthy@smccd.edu
18. Bob Capriles, Math Faculty, Mission College, Bob_Capriles@fuhsd.org
19. Jamylle Carter, Professor of Mathematics, Diablo Valley College, Jcarter@dvc.edu
20. Carol Cassell, Associate Professor of Mathematics, West Valley College, cccassellb@sbcglobal.net
21. Jose Castanon, Professor of Mathematics, Pasadena City College, jcastanon3@pasadena.edu
22. Scott Childress, Professor of Mathematics, Mt. San Antonio College, schildress@mtsac.edu
23. Jay Cho, Professor of Mathematics, Pasadena City College, jkho@pasadena.edu
24. Mark Clark, Associate Professor of Mathematics, Palomar College, MClark@palomar.edu
25. Karen Cliffe, Professor of Mathematics, Southwestern College, kcliffe@swccd.edu
26. Rebecca Courter, Assistant Professor of Mathematics, Pasadena City College, recourter@pasadena.edu
27. Paul Creason, Dean, School of Health, Kinesiology, Science and Mathematics, Long Beach City College, pcreason@lbcc.edu

28. Monica Dabos, Professor of Mathematics, College of the Canyons, Monica.Dabos@canyons.edu
29. Roger Davidson, Dean of Mathematics, American River College, DavidsR@arc.losrios.edu
30. Matt Davis, Math Instructor (Tenured), Chabot College, mdavis@chabotcollege.edu
31. Carlos de la Lama, Chair Department of Mathematics, San Diego City College, cdelalam@sdccd.edu
32. Jan Dekker, Vice President of Instruction, Reedley College, jan.dekker@reedleycollege.edu
33. Scott Eckert, Professor of Mathematics, Cuyamaca College, scott.eckert@gcccd.edu
34. Gretchen Ehlers, Mathematics Instructor (Tenured), West Valley College, Gretchen.Ehlers@westvalley.edu
35. Rick Estrada, Assistant Professor of Mathematics, Los Medanos College, riestrada@losmedanos.edu
36. Maria Faccuseh, Associate Professor of Mathematics, Pasadena City College, mxfaccuseh@pasdena.edu
37. Scott Fallstrom, Faculty Director of Math Learning Center, MiraCosta College, sfallstrom@miracosta.edu
38. Arash Farahmand, Professor of Mathematics, Berkeley City College, afarahmand@peralta.edu
39. Jon Freedman, Professor of Mathematics, Skyline College, freedmanj@smccd.edu
40. Jenny Freidenreich, Math Instructor (tenured), Diablo Valley College, JFreidenreich@dvc.edu
41. Sasha Friedman, Assistant Professor of Mathematics, Ventura College, sfriedman@vcccd.edu
42. Kelsey Friesen, Math Instructor, Reedley College, kelsey.friesen@reedleycollege.edu
43. Perri Gellman, Associate Professor of Mathematics, Palomar College, pgellman@palomar.edu
44. Mo Geraghty, Mathematics and Statistics Instructor, De Anza College, geraghtymo@gmail.com
45. Joe Gerda, Professor of Mathematics, College of the Canyons, joe.gerda@canyons.edu
46. Collette Gibson, Professor of Mathematics, College of the Canyons, Collette.Gibson@canyons.edu
47. Levi Gill, Assistant Professor of Mathematics, College of the Redwoods, levi-gill@redwoods.edu
48. James Gilmore, Professor of Mathematics, College of the Canyons, james.gilmore@canyons.edu
49. Jim Gilmore, Professor Mathematics, Reedley College, Jim.gilmore@reedleycollege.edu
50. Lydia González, Associate Professor of Mathematics, Rio Hondo LOkelberry@riohondo.edu
51. Rudy González, Professor of Mathematics, Citrus College, rgonzalez@citruscollege.edu
52. Sharon Gott, Math Faculty, American River College, GottS@arc.losrios.edu
53. Nicole Gray, Professor of Mathematics, Foothill College, graynicole@foothill.edu
54. Scott Guth, Professor of Mathematics, Mt. San Antonio College, sguth@mtsac.edu
55. Judith Hante, Mathematics instructor, San Diego Miramar College, Jhante@hotmail.com
56. John Harland, Associate Professor of Mathematics, Palomar College, JHarland@palomar.edu

57. Elaine Hemenway, Mathematics instructor, Rio Hondo College, ehemenway@riohondo.edu
58. Matt Henes, Assistant Professor of Mathematics, Pasadena City College, mthenes@pasadena.edu
59. Rebecca Hiller, Mathematics faculty, West Valley College, Rebecca.Hiller@westvalley.edu
60. Linda Hintzman, Professor of Mathematics, Pasadena College, LBHINTZMAN@pasadena.edu
61. Anna Hockman, Mathematics Faculty, El Camino College, ahockman@elcamino.edu
62. Julie Hoffman, Mathematics Instructor (tenured), Cuesta College, jhoffman@cuesta.edu
63. Charles Hogue, Mathematics Instructor, Pasadena City College, cnhogue@pasadena.edu
64. Kathleen Hogue, Professor of Mathematics, Pasadena City College, mkhogue@pasadena.edu
65. Coryna Holcombe, Professor of Mathematics, Southwestern College, cholcombe@swccd.edu
66. Jason Holloway, Co-Chair Math/Physical Sciences Department, Merritt College, jholloway@peralta.edu
67. Erich Holtmann, Professor of Mathematics, Los Medanos College, eholtman@losmedanos.edu
68. Melvin Hom, Professor of Mathematics, College of San Mateo, homm@smccd.edu
69. Susan Howe, Math Instructor, Glendale Community College, showe@glendale.edu
70. Mike Hubbard, Mathematics Instructor, College of the Canyons, mike.hubbard@canyons.edu
71. Steven Hal Huntsman, Professor of Mathematics, City College of San Francisco, shuntsma@ccsf.edu
72. Kristen Jackanich, Mathematics faculty, West Valley College, Kristen.jackanich@wvm.edu
73. Hamid Jafari, Professor of Mathematics, LA Mission College, jafarih@lamission.edu
74. Hamid Jafari, Professor of Mathematics and Statistics, Glendale Community College, hjafari@glendale.edu
75. David Kater, Professor of Mathematics, San Diego City College, dkater@sdccd.edu
76. Kian Kaviani, Chair Math/CSIT/CTEL/CAOT, Los Angeles City College, kaviank@lacitycollege.edu
77. Asawari Kelkar, Math instructor, College of the Canyons, Asawari.Kelkar@canyons.edu
78. Jenny Kimm, Professor of Mathematics, San Diego City College, jkimm@sdccd.edu
79. Mike Kinter, Math Instructor (Tenured), Cuesta College, mkinter@cuesta.edu
80. Corrine Kirkbride, Professor of Mathematics, Solano Community College, corrine.kirkbride@solano.edu
81. Lars Kjeseth, Professor of Mathematics, El Camino College, lkjeseth@elcamino.edu
82. Nick Knueppel, Mathematics Instructor, Los Medanos College, nknueppel@losmedanos.edu
83. Violeta Kovacev-Nikolic, Assistant Professor of Mathematics, College of the Canyons, Violeta.Kovacev-Nikolic@canyons.edu
84. Zoya Kravet, Math Faculty, Mission College, Zoya.kravets@missioncollege.edu
85. Kathy Kubo, Professor of Mathematics, College of the Canyons, kathy.kubo@canyons.edu
86. Hua Lan, Mathematics Instructor, Los Angeles Mission College, lanh@lamission.edu
87. Philip Lau, Mathematics instructor, San Diego City College, plau001@sdccd.edu

88. Dan Lawson, Math Instructor, Merritt College, dlawson@peralta.edu
89. Sheri Lehavi, Chair Department of Mathematics, Los Angeles Pierce College, lehavisa@piercecollege.edu
90. Jay Lehmann, Professor of Mathematics, College of San Mateo, lehmann@smccd.edu
91. Matthew Low, Mathematics Instructor, Foothill College, lowmatthew@fhda.edu
92. Susan Low, Associate Professor Mathematics, Mission College, susan.low@wvm.edu
93. Lily Lum, Professor of Mathematics, City College of San Francisco, llum@ccsf.edu
94. Jason Maloney, Mathematics instructor, San Diego City College, jmaloney@sdccd.edu
95. Abdelhak Maoujoudi, Math Instructor, College of Marin, abmaoujoudi@gmail.com
96. Tammi Marshall, Chair Mathematics Department, Cuyamaca College, tammi.marshall@cuyamaca.edu
97. Art Martinez, Professor of Mathematics, El Camino College, afmartinez@elcamino.edu
98. Sab Matsumoto, Chair Department of Mathematics, College of the Canyons, Saburo.Matsumoto@canyons.edu
99. Dave Matthews, Mathematics Instructor, Pasadena City College, dmatthews22@pasadena.edu
100. Shaw Matthews, Instructor of Mathematics, Los Medanos College, smatthews@losmedanos.edu
101. Terrill Mead, Chair Department of Mathematics, Contra Costa College, TMead@contracosta.edu
102. Wendy Metzger, Professor of Mathematics, Palomar College, wmetzger@palomar.edu
103. Joyce Mi, Math faculty, Rio Hondo College, jmi@riohondo.edu
104. Angela Milano, Chair Department of Mathematics, American River College, Milanoa@arc.losrios.edu
105. Sonny Mohammadzadeh, Professor of Mathematics, City College of San Francisco, sonnyzadeh@gmail.com
106. Patrick Morriss, Math Faculty, Foothill College, morrisspatrick@fhda.edu
107. Jason Moss, Instructor of Mathematics, College of the Canyons, Jason.Moss@canyons.edu
108. Rachel Mudge, Professor of Mathematics, Foothill College, MudgeRachel@foothill.edu
109. Silvia Nadalet, Co-Chair Department of Mathematics, Southwestern College, snadalet@swccd.edu
110. Daniel Najjar, Mathematics Instructor, Berkeley City College, dnajjar@peralta.edu
111. Jean Nanjo, Mathematics Instructor, City College of San Francisco, jnanjo@ccsf.edu
112. Esteban Navas, Assistant Professor of Mathematics, Moreno Valley College, esteban.navas@mvc.edu
113. Terrie Nichols, Mathematics Instructor (tenured), Cuyamaca College, terrie.nichols@gcccd.edu
114. Ted Nirgiotis, Professor of Mathematics, Diablo Valley College, tnirgiotis@dvc.edu
115. Michael Norris, Professor of Mathematics, Los Medanos College, mnorris@losmedanos.edu
116. Gia Nguyen, Mathematics Instructor, Pasadena City College, gnguyen7@pasadena.edu
117. Trung Nguyen, Professor of Mathematics, Contra Costa College, tnguyen@contracosta.edu
118. Donna Nordstrom, Professor of Mathematics, Pasadena City College, DENORDSTROM@pasadena.edu

119. Sam Pearsall, Assistant Professor of Mathematics, Los Angeles Pierce College,
pearsasa@piercecollege.edu
120. Ryan Petitfils, Associate Professor of Mathematics, Ventura College,
ryan_petitfils1@vcccd.edu
121. Virginia Phillips, Mathematics instructor, San Diego City College, vphillip@sdccd.edu
122. Joel Pickering, Mathematics Instructor, Monterey Peninsula College, jpickering@mpc.edu
123. Brent Pickett, Professor of Mathematics, MiraCosta College, bpickett@miracosta.edu
124. Dennis Piontkowski, Chair Mathematics Department, City College of San Francisco,
dpiontko@ccsf.edu
125. Sheila Pisa, Professor of Mathematics, Moreno Valley College, Sheila.pisa@mvc.com
126. Beth Powell, Chair Department of Mathematics, MiraCosta College,
bpowell@miracosta.edu
127. Udani Ranasinghe, Math instructor, College of the Canyons, uuranasinghe@gmail.com
128. Claudia Reyes, Math instructor, CSU Northridge, Claudia.Reyes@csun.edu
129. Pete Riley, Mathematics instructor, Pasadena City College, periley@pasadena.edu
130. Hasan Z. Rahim, Math faculty, San Jose City College, Hasan.Rahim@sjcc.edu
131. Patricia Robert, Math instructor, Merritt College, probert@peralta.edu
132. David Ross, Chair Mathematics Department, Laney College, dross@peralta.edu
133. Rogelio Ruiz, Professor of Mathematics, Riverside City College, Rogelio.Ruiz@rcc.edu
134. Liz Russell, Chair Mathematics Division, Glendale Community College,
lrussell@glendale.edu,
135. Tue Rust, Chair Department of Mathematics, Los Medanos College, trust@losmedanos.edu
136. Clint Ryan, Professor of Mathematics, Diablo Valley College, cryan@dvc.edu
137. James Ryan, Mathematics Instructor (tenured), Clovis Community College,
mathrobred@comcast.net
138. Gina Sanders, Assistant Professor of Mathematics, Palomar College,
gsanders@palomar.edu
139. Alyssa Sayavedra, Math faculty Peralta District, asayavedra@berkeley.edu
140. Saliha Sha, Associate Professor of Mathematics, Ventura College, ssha@vcccd.edu
141. Bill Shambert, Professor of Mathematics, Glendale Community College,
shamhart@glendale.edu
142. Nick Shaposhnikov, Math instructor, Laney College, nshaposhnikov@peralta.edu
143. Pamela Sheehan, Mathematics Instructor, Solano Community College,
Pamela.Sheehan@solano.edu
144. Sandra Sher, Chair Math/Science Division, Palo Verde College, ssher@paloverde.edu
145. Ambika Silva, Assistant Professor of Mathematics, College of the Canyons,
ambika.silva@canyons.edu
146. Dustin Silva, Associate Professor of Mathematics, College of the Canyons,
dustin.silva@canyons.edu
147. Jennifer Sinclair, Professor of Mathematics, Foothill College, Sinclairjennifer@foothill.edu
148. Benjamin Smith, Professor of Mathematics, Los Angeles Pierce College,
smithbt@piercecollege.edu
149. Myra Snell, Professor of Mathematics, Los Medanos College, msnell@losmedanos.edu
150. Christina Show, Mathematics instructor, San Diego City College, cshow@sdccd.edu
151. Luke Spence, Mathematics Instructor, Monterey Peninsula College, lspence@mpc.edu

152. Gisela Spieler-Persad, Professor of Mathematics, Rio Hondo College,
gspieler@riohondo.edu
153. Rene Sporer, Professor of Mathematics, Diablo Valley College, rsporer@dvc.edu
154. Carrie Starbird, Division Dean Math and Computer Science, Pasadena City College,
castarbird@pasadena.edu
155. Janet Stringer, Dean, Science and Technology, Canada College, stringer@smccd.edu
156. Jyothi Suresh, Math Instructor, Cabrillo College, jysuresh@cabrillo.edu
157. Walid Tayar, Professor of Mathematics, Reedley College, Walid.tayar@reedleycollege.edu
158. Susan Taylor, Professor of Mathematics, El Camino College, Staylor@elcamino.edu
159. Eddie Tchertchian, Vice Chair Department of Mathematics, Los Angeles Pierce College,
tchertea@piercecollege.edu
160. Matt Teachout, Professor of Mathematics, Statistics Coordinator, College of the Canyons,
Matt.Teachout@canyons.edu
161. Stephen Toner, Chair Mathematics Department, Victor Valley College,
Stephen.toner@vvc.edu
162. Cynthia Torgison, Associate Professor of Mathematics, Palomar College,
CTorgison@palomar.edu
163. Mary Touchet, Math instructor, Cuyamaca College, mary.touchet@gcccd.edu
164. Rebecca Uhlman, Math Faculty, Merritt College, ruhlman@peralta.edu
165. Jorge Valdez, Associate Professor of Mathematics, Mt. San Jacinto Community College,
jvaldez@msjc.edu
166. Cheryl Vallejo, Assistant Professor of Mathematics, San Diego Miramar College,
cvallejo@sdccd.edu
167. Read Vanderbilt, Professor of Mathematics, Diablo Valley College, Rvanderbilt@dvc.edu
168. Agnes Ventura, Mathematics instructor, Pasadena City College,
AXVENTURA@pasadena.edu
169. Jarom Viehweg, Instructor of Mathematics, Victor Valley College, jarom.viehweg@vvc.edu
170. Barbara Villatoro, Math faculty and Basic Skills Coordinator, Solano Community College,
Barbara.Villatoro@solano.edu
171. Julie Von Bergen, Professor of Mathematics, Los Medanos College,
jvonbergen@losmedanos.edu
172. Kathy Weber, Assistant Professor of Mathematics, Diablo Valley College, kweber@dvc.edu
173. Anna Werner, Mathematics Instructor, Laney College, awerner@peralta.edu
174. Cheryl Wilcox, Professor of Mathematics, Diablo Valley College, cwilcox@dvc.edu
175. Christine Will, Professor of Mathematics, Laney College, cwill@peralta.edu
176. Sarah William, Assistant Professor of Mathematics, Foothill College,
williamsSarah@foothill.edu
177. Katherine Williamson, Math Instructor (Tenured), Laney College, kwilliamson@peralta.edu
178. Joseph Wilson, Associate Professor of Mathematics, Victor Valley College,
joseph.wilson@vvc.edu
179. Sherri Wilson, Professor of Mathematics, Crafton Hills College, swilson@craftonhills.edu
180. Kevin Windsor, Math faculty, Los Angeles City College, windsokr@lacitycollege.edu
181. Debby Wong, Department Chair Mathematics/CSIT/Engineering, Los Angeles Mission
College, wongkd@lamission.edu

182. Rebecca Wong, Mathematics Instructor (Tenured), West Valley College, rebecca.wong@westvalley.edu
183. Peggy Wright, Mathematics Instructor (Tenured), Cuesta College, pwright@cuesta.edu
184. Christopher Wu, Mathematics Instructor, College of Alameda, christopherwu@peralta.edu
185. Roger Yang, Assistant Professor of Mathematics, Pasadena City College, rdyang@pasadena.edu
186. Bruce Yoshiwara, Emeritus Professor of Mathematics, Los Angeles Pierce College, yoshiwbw@piercecollege.edu
187. Yolanda Yslas-Thompson, Mathematics instructor, Southwestern College, yyslas@swccd.edu

Community college faculty and deans from 14 colleges in disciplines associated with ADTs in question whose names and emails represent expressed support for this letter:

1. T.L. Brink, Professor of Psychology, Crafton Hills College, tlbrink@sbccd.cc.ca.us
2. Paul Creason, Dean, School of Health, Kinesiology, Science and Mathematics, Long Beach City College, pcreason@lbcc.edu
3. Sean Davis, Sociology instructor, MiraCosta College, sdavis@miracosta.edu
4. Nick Deftereos, Department Chair Agriculture and Natural Resources, Reedley College, nick.deftereos@reedleycollege.edu
5. Kim Donaher, Professor Agriculture Business, Merced College, donaher.k@mccd.edu
6. Steve Eso, Chair Psychology Department, MiraCosta College, seso@miracosta.edu
7. Lisa Fast, Professor of Psychology, MiraCosta College, lfast@miracosta.edu
8. Nicole Faudree, Chair Business Department, College of the Canyons, Nicole.Faudree@canyons.edu
9. Mike Haley, Faculty, College of the Redwoods, mike-haley@redwoods.edu
10. Jennifer Hinostroza, Professor of Horticulture, Mt. San Antonio College, jhinostroza@mtsac.edu
11. Bruce Hoskins, Professor of Psychology, MiraCosta College, bhoskins@miracosta.edu
12. Rick Howe, Professor of Psychology, College of the Canyons, rick.howe@canyons.edu
13. Robert Kelley, Psychology instructor, MiraCosta College, rkelly@miracosta.edu
14. Mary Nikki Maddux, Professor Animal Science, Merced College, mary.maddux@mccd.edu
15. Steven Mojarro, Kinesiology instructor, Pasadena City College, smojarro1@pasadena.edu
16. Desiree Molyneux, Animal Science Instructor, Reedley College, Desiree.molyneux@reedleycollege.edu
17. Chez Perea, Professor of Horticulture, Mt. San Antonio College, cperea@mtsac.edu
18. Franz Rulofson, Professor of Agriculture, College of the Redwoods, Franz-Rulofson@redwoods.edu
19. Brian Scott, Chair Agricultural Sciences Department, Mt. SAC, BScott@MtSAC.edu
20. Peter Shaw, Chair Horticulture Department, Cabrillo College, peshaw@cabrillo.edu
21. Neville Slade, Department Chair Agriculture and Natural Resources, Victor Valley College, Neville.slade@vvc.edu
22. Ben Stefanik, Psychology Faculty, Foothill College, stefonikbenjamin@fhda.edu
23. Marie Vicario-Fisher, Chair Applied Technology, Professor Health Science and Environmental Technology, Southwestern College, mvicario@swccd.edu

24. Leimone Waite, Horticulture Instructor, Shasta College, LWAITE@ShastaCollege.edu
25. Kevin Woodard, Agriculture Business Instructor, Reedley College,
kevin.woodard@reedleycollege.edu

Articulation officers and counselors from 3 colleges who expressed support for this letter:

1. Elizabeth Atondo, Articulation Officer Los Angeles Mission College and Vice President of Curriculum LACCCD Academic Senate, atondoem@lamission.edu
2. Joanne Benschop, Articulation Officer, MiraCosta College, JBenschop@miracosta.edu
3. Janis Dwyer, Counselor and Co-Chair of Curriculum and Instruction, Pasadena City College,
jsdwyer@pasadena.edu