

Table IV.2A

**ACEI Section IV.2 Content Knowledge  
Content Area Grades: Academic Year 2015-16**

Class	Class Name	Fall '15			Spring '16		
		N	$\mu$ (range)	SD	N	$\mu$ (range)	SD
<b>2.1 Reading, Writing, &amp; Oral Language</b>							
Required: 18 cr.							
EDEE 422	Reading Methods	7	4.0	NA	15	3.7 (2.3-4.0)	0.5
EDEE 424	Language Arts Methods	7	4.0	NA	15	3.5 (2.0-4.0)	0.7
ENG 100	Composition I	14	3.7 (2.7-4.0)	0.4	2	3.0	NA
ENG 200	Composition II	24	3.0 (1.3-4.0)	0.8	24	3.2 (1.7-4.0)	0.7
ENG 383	Children's Literature	14	3.2 (2.0-4.0)	0.7	17	3.5 (2.7-4.0)	0.5
PSY 342	Educational Psychology	14	3.2 (2.3-3.7)	0.3	16	3.4 (2.3-4.0)	0.5
<b>3 cr. Speech Course</b>							
Approved Course Work (one of the following):							
SP 151	Personal and Public Speaking	6	3.7 (3.0-4.0)	0.4	11	3.1 (2.0-4.0)	0.6
<b>3 cr. Developmental Course</b>							
Approved Course Work (one of the following):							
FAMR 230	Human Development	3	3.3 (2.0-4.0)	1.1	2	2.0	NA
PSY 240	Developmental Psychology	9	3.3 (2.0-4.0)	0.6	6	3.4 (3.3-4.0)	0.4
PSY 340	Childhood and Adolescence	9	2.2 (1.0-4.0)	1.0	2	3.5 (3.0-4.0)	0.7
<b>2.2 Science</b>							
<b>3 cr. Biological Science Course</b>							
Approved Course Work (one of the following):							
BIOL 100	Human Biology	6	2.7 (1.0-4.0)	1.0	4	3.1 (2.0-4.0)	0.9
BIOL 101	Biology & Society	3	3.8 (3.7-4.0)	0.1	3	2.4 (1.0-4.0)	1.5
BIOL 124	Environment & Ecology	8	2.8 (2.3-3.0)	0.4	0	NA	NA
BIOL 200	Coral Reefs	2	3.0	NA	1	4.0	NA
BOT 101	General Botany	0	NA	NA	1	3.0	NA
<b>3 cr. Physical Science Course</b>							
Approved Course Work (one of the following):							
CHEM 100	Chemistry and Society	3	3.5 (2.7-4.0)	0.7	2	3.3 (3.0-3.7)	0.4
GEOL 101	Dynamic Earth	2	3.8 (3.7-4.0)	0.2	1	3.7	NA
GEOL 122	Introduction to Earth Science	1	2.3	NA	0	NA	NA
GG 101	Introduction to Geology	1	1.0	NA	0	NA	NA
GG 103	Geology of the Hawaiian Islands	0	NA	NA	1	4.0	NA
MET 209	Introduction to Climate Studies	0	NA	NA	2	3.5 (3.0-4.0)	0.7
OCN 201	Science of the Sea	1	3.0	NA	0	NA	NA
PHYS 100	Survey of Physics	0	NA	NA	1	3.7	NA

Class	Class Name	Fall '15			Spring '16		
		N	μ (range)	SD	N	μ (range)	SD
<b>3 cr. Earth Science Course</b>							
Approved Course Work (one of the following):							
ASTR 110	Survey of Astronomy	0	NA	NA	1	1.0	NA
GEOG 101	The Natural Environment	1	4.0	NA	1	4.0	NA
GEOG 101	Dynamic Earth	6	3.3 (1.7-4.0)	1.0	2	3.3 (3.0-3.7)	0.4
GEOG 122	Introduction to Earth Science	4	3.75 (3.0-4.0)	0.5	0	NA	NA
MET 209	Introduction to Climate Studies	0	NA	NA	2	3.5 (3.0-4.0)	0.7
OCN 201	Science of the Sea	2	2.5 (2.0-3.0)	0.7	10	2.5 (1.0-4.0)	1.0
<b>2.3 Mathematics</b>							
Required: 6 cr.							
MATH 111	Math for Elem. School Teachers I	20	3.4 (1.0-4.0)	0.9	15	3.4 (2.0-4.0)	0.7
MATH 112	Math for Elem. School Teachers II	7	3.3 (2.7-4.0)	0.5	13	2.8 (2.0-4.0)	0.6
<b>2.4 Social Studies</b>							
Required: 6 cr.							
GEOG 102	World Regional Geography	13	3.6 (2.0-4.0)	0.6	11	3.3 (2.0-4.0)	0.8
HIST 151	World Civilization I <b>OR</b>	11	3.8 (2.7-4.0)	0.3	8	3.1 (2.7-4.0)	0.3
HIST 152	World Civilization II	9	3.1 (2.0-4.0)	0.6	15	3.0 (1.0-4.0)	0.9
<b>3 cr. Social Science Course</b>							
Approved Course Work (one of the following):							
ECON 130	Principles of Microeconomics	1	2.0	NA	1	4.0	NA
ECON 131	Principles of Macroeconomics	1	3.7	NA	0	NA	NA
POLS 110	Introduction to Political Science	8	3.7 (3.3-4.0)	0.2	0	NA	NA
SOC 100	Survey of General Sociology	4	2.0 (1.0-3.3)	0.9	4	2.3 (1.3-2.7)	0.7
<b>2.5 The Arts</b>							
Required: 3 cr.							
EDEE 325	Creative & Performing Arts	8	3.0 (1.7-4.0)	1.1	19	3.4 (0.7-4.0)	0.8
<b>3 cr. Art or Music Appreciation</b>							
Approved Course Work (one of the following):							
ART 101	Introduction to Visual Arts	7	3.4 (2.0-4.0)	0.7	8	3.0 (2.0-4.0)	0.9
MUS 106	Introduction to Music Literature	5	3.4 (3.0-4.0)	0.3	0	NA	NA
MUS 107	Music in World Cultures	3	2.9 (1.7-4.0)	1.1	3	2.3 (0.7-3.7)	1.5
MUS 108	Fundamentals of Western Music	3	3.4 (3.3-4.0)	0.5	2	3.6 (3.3-4.0)	0.4
<b>2.6 &amp; 2.7 Health &amp; Physical Education</b>							
Required: 3 cr.							
EDEE 324	Health, PE & Movement	16	3.4 (3.0-4.0)	0.5	10	4.0	NA

**Average % of Grades Earned by Candidates in AY 2015-16**

ACEI	Content Areas	Grades Earned			
		A	B	C	D
2.1	Reading, Writing, & Oral Language n=217	54%	31%	13%	2%
		A	B	C	D
2.2	Science n=72	42%	32%	18%	8%
	Biological Science n=28	29%	43%	21%	7%
	Physical Science n=15	60%	26%	7%	7%
	Earth Science n=29	45%	24%	21%	10%
		A	B	C	D
2.3	Mathematics n=55	53%	29%	16%	2%
		A	B	C	D
2.4	Social Studies n=86	52%	30%	14%	4%
		A	B	C	D
2.5	The Arts n=58	55%	28%	14%	3%
		A	B	C	D
2.6 2.7	Health & Physical Educ. n=26	65%	35%	0%	0%