

Table IV.2A
ACEI Section IV.2 Content Knowledge
Content Area Grades: Academic Year 2018-19

Fall 2018 Graduates (n=8), Spring 2019 Graduates (n=11)

2.1 Reading, Writing, & Oral Language

Required 18 credits

Class	Class Name	Fall '18 Graduates: N	Fall '18: μ (range)	Fall '18: SD	Spring '19: N	Spring '19: μ (range)	Spring 19: SD
EDEE 422	Reading Methods	8	4.0	NA	11	3.5 (2.0-4.0)	0.6
EDEE 424	Language Arts Methods	8	3.9 (3.3-4.0)	0.2	11	3.8 (3.3-4.0)	0.2
ENG 100	Composition I	8	3.7 (3.0-4.0)	0.4	11	2.8 (1.0-4.0)	0.8
ENG 200	Composition II	8	3.4 (2.0-4.0)	0.7	11	3.2 (2.0-4.0)	0.8
ENG 383	Children's Literature	8	3.9 (3.7-4.0)	0.1	11	3.7 (2.7-4.0)	0.4
PSY 342	Educational Psychology	8	3.6 (3.0-4.0)	0.4	11	3.2 (2.7-4.0)	0.6

3 credit Speech Course: Approved Course Work (one of the following)

Class	Class Name	Fall '18 Graduates: N	Fall '18: μ (range)	Fall '18: SD	Spring '19: N	Spring '19: μ (range)	Spring 19: SD
COM 101	Oral Communication	0	NA	NA	1	2.0	NA
PHIL 210	Social & Political Philosophy	0	NA	NA	1	3.0	NA
SP 151	Personal and Public Speaking	8	3.7 (3.0-4.0)	0.4	8	2.9 (2.0-4.0)	0.7
SP 251	Princ. of Effective Public Speaking	0	NA	NA	1	3.0	NA

3 credit Developmental Course

Class	Class Name	Fall '18 Graduates: N	Fall '18: μ (range)	Fall '18: SD	Spring '19: N	Spring '19: μ (range)	Spring 19: SD
FAMR 230	Human Development	2	4.0	NA	4	3.2 (3.0-4.0)	0.5
PSY 240	Developmental Psychology	2	3.0 (2.7-3.3)	0.4	7	3.4 (2.7-4.0)	0.5
PSY 340	Childhood and Adolescence	4	2.2 (2.0-3.0)	0.5	0	NA	NA

2.2 Science

3 Credits Biological Science Course: Approved Course Work (one of the following)

Class	Class Name	Fall '18 Graduates: N	Fall '18: μ (range)	Fall '18: SD	Spring '19: N	Spring '19: μ (range)	Spring 19: SD
BIOL 100	Human Biology	3	3.8 (3.7-4.0)	0.1	5	3.4 (2.0-4.0)	0.8
BIOL 101	Biology & Society	0	NA	NA	3	3.0 (2.0-4.0)	1.0
BIOL 200	Coral Reefs	2	3.5 (3.0-4.0)	0.7			
BOT 101	General Botany	0	NA	NA	1	3.0	NA
BOT 130	Plants in the Hawaiian Environment	1	2.0	NA	0	NA	NA
FSHE 185	The Science of Human Nutrition	0	NA	NA	1	2.0	NA
MICR 130	General Microbiology	1	2.0	NA	1	3.0	NA
ZOOL 200	Marine Biology	1	4.0	NA	0	NA	NA

3 credit Physical Science Course: Approve Course Work (one of the following)

Class	Class Name	Fall '18 Graduates: N	Fall '18: μ (range)	Fall '18: SD	Spring '19: N	Spring '19: μ (range)	Spring 19: SD
CHEM 100	Chemistry & Man	0	NA	NA	1	2.0	NA
CHEM 101	General Chemistry & Biochemistry	1	3.0	NA	0	NA	NA
CHEM 161	General Chemistry I	0	NA	NA	1	4.0	NA
GEOG 101	The Natural Environment	1	4.0	NA	0	NA	NA
GEOL 101	Dynamic Earth	1	4.0	NA	0	NA	NA
GEOL 122	Introduction to Earth Science	1	4.0	NA	2	3.3	NA
		N	μ (range)	SD	N	μ (range)	SD
GG 101	Introduction to Geology	0	NA	NA	1	3.0	NA
GG 103	Geology of Hawaiian Islands	1	4.0	NA	1	2.0	NA
MET 101	Introduction to Meteorology	0	NA	NA	1	2.7	NA
OCN 201	Science of the Sea	0	NA	NA	3	2.1 (1.0-3.3)	1.1
PHYS 100	Survey of Physics	2	3.5 (3.0-4.0)	0.7	0	NA	NA
SCI 197	Intro to Environmental Science	1	3.0	NA	0	NA	NA

3 credit Earth Science Course: Approve Course Work (one of the following)

Class	Class Name	Fall '18 Graduates: N	Fall '18: μ (range)	Fall '18: SD	Spring '19: N	Spring '19: μ (range)	Spring 19: SD
ASTR 110	Survey of Astronomy	0	NA	NA	3	1.6 (1.0-2.0)	0.5
GEOG 101	The Natural Environment	1	4.0	NA	1	4.0	NA
GEOG 103	Physical Geog of Earth's Environ	0	NA	NA	1	1.0	NA
GEOL 101	Dynamic Earth	1	3.0	NA	1	3.0	NA
GEOL 122	Introduction to Earth Science	3	3.2 (2.7-4.0)	0.6	4	3.3 (3.0-4.0)	0.4
OCN 201	Science of the Sea	3	3.6 (3.0-4.0)	0.5	1	3.0	NA

2.3 Mathematics

Required 6 credits

Class	Class Name	Fall '18 Graduates: N	Fall '18: μ (range)	Fall '18: SD	Spring '19: N	Spring '19: μ (range)	Spring 19: SD
MATH 111	Math for Elem. School Teachers I	8	3.7 (2.0-4.0)	0.6	11	3.6 (2.0-4.0)	0.6
MATH 112	Math for Elem. School Teachers II	8	3.4 (2.0-4.0)	0.7	11	3.6 (3.0-4.0)	0.5

2.4 Social Studies

Required 6 credits

Class	Class Name	Fall '18 Graduates: N	Fall '18: μ (range)	Fall '18: SD	Spring '19: N	Spring '19: μ (range)	Spring 19: SD
GEOG 102	World Regional Geography OR	5	3.8 (3.0-4.0)	0.4	9	3.2 (2.0-4.0)	0.8
GEOG 151	Geography & Contemporary Society	3	4.0	NA	2	3.5 (3.0-4.0)	0.7
HIST 151	World Civilization I OR	8	3.5 (2.0-4.0)	0.7	10	2.9 (1.7-4.0)	0.8
HIST 152	World Civilization II	0	NA	NA	1	2.0	NA

3 credits Social Science course

Approved Course Work (one of the following)

Class	Class Name	Fall '18 Graduates: N	Fall '18: μ (range)	Fall '18: SD	Spring '19: N	Spring '19: μ (range)	Spring 19: SD
ANTH 200	Cultural Anthropology	1	4.0	NA	1	4.0	NA
BUSA 120	Introduction to Business	1	3.3	NA	0	NA	NA
ECON 130	Principles of Microeconomics	1	2.0	NA	0	NA	NA
GEOG 102	World Regional Geography	1	4.0	NA	0	NA	NA
PACS 108	Intro to Pacific Island Studies	2	3.3 (3.0-3.7)	0.4	1	3.3	NA
POLS 110	Introduction to Political Science	1	4.0	NA	2	4.0	NA
POLS 180	Introduction to Hawaiian Politics	0	NA	NA	1	3.0	NA
POLS 335	Politics of Food	0	NA	NA	1	4.0	NA
SOC 100	Survey of General Sociology	1	3.0	NA	4	2.1 (1.0-3.0)	0.8
SOC 214	Intro to Race & Ethnic Studies	0	NA	NA	1	3.0	NA

2.5 The Arts

Required 3 credits

Class	Class Name	Fall '18 Graduates: N	Fall '18: μ (range)	Fall '18: SD	Spring '19: N	Spring '19: μ (range)	Spring 19: SD
EDEE 325	Creative & Performing Arts	8	3.6 (1.7-4.0)	0.8	11	3.8 (2.3-4.0)	0.5

3 credits Art of Music Appreciation

Approved Course Work (one of the following)

Class	Class Name	Fall '18 Graduates: N	Fall '18: μ (range)	Fall '18: SD	Spring '19: N	Spring '19: μ (range)	Spring 19: SD
ART 101	Introduction to Visual Arts	4	3.0 (2.0-4.0)	0.8	4	3.5 (3.0-4.0)	0.5
MUS 106	Introduction to Music Literature	1	4.0	NA	2	2.8 (2.7-3.0)	0.2
MUS 107	Music in World Cultures	1	3.3	NA	2	3.8 (3.7-4.0)	0.2
MUS 108	Fundamentals of Western Music	2	2.5 (2.0-3.0)	0.7	2	4.0	NA
MUS 253	Elementary Music in Action	0	NA	NA	1	3.0	NA

2.6 & 2.7 Health & Physical Education

Required: 3 credits

Class	Class Name	Fall '18 Graduates: N	Fall '18: μ (range)	Fall '18: SD	Spring '19: N	Spring '19: μ (range)	Spring 19: SD
EDEE 324	Health, PE & Movement	8	3.8 (3.0-4.0)	0.3	11	3.7 (3.0-4.0)	0.4

Average % of Grades Earned by AY 2018-19 Graduates

ACEI	Content Areas	Grades Earned: A	Grades Earned: B	Grades Earned: C	Grades Earned: D
2.1	Reading, Writing, & Oral Language n=152	60%	29%	10	1%
2.2	Science n=57	39%	39%	17%	5%
2.2	Biological Science n=19	48%	26%	26%	0%
2.2	Physical Science n=19	37%	42%	16%	5%
2.2	Earth Science n=19	32%	47%	10.5%	10.5%
2.3	Mathematics n=38	68%	24%	8%	0%
2.4	Social Studies n=57	49%	32%	17%	2%
2.5	The Arts n=38	66%	24%	10%	0%
2.6 2.7	Health & Physical Educ. n=19	79%	21%	0%	0%