

**EDML/EDSE Program Completers**  
**Average % of Grades Earned by 2020-21 Graduates**

**Math = 4 English = 7 Social Studies = 2 Biology = 1 General Science = 1**

**Biology**

<b>Content Areas</b>	<b>Grades Earned A</b>	<b>Grades Earned B</b>	<b>Grades Earned C</b>	<b>Grades Earned D</b>
Biology n=36	33%	25%	39%	3%

**English**

<b>Content Areas</b>	<b>Grades Earned A</b>	<b>Grades Earned B</b>	<b>Grades Earned C</b>	<b>Grades Earned D</b>
English n= 82	67%	22%	11%	0%

**General Science**

<b>Content Areas</b>	<b>Grades Earned A</b>	<b>Grades Earned B</b>	<b>Grades Earned C</b>	<b>Grades Earned D</b>
General Science n= 14	50%	29%	21%	0%

**Math**

<b>Content Areas</b>	<b>Grades Earned A</b>	<b>Grades Earned B</b>	<b>Grades Earned C</b>	<b>Grades Earned D</b>
Math n=40	45%	38%	15%	2%

**Social Studies**

<b>Content Areas</b>	<b>Grades Earned A</b>	<b>Grades Earned B</b>	<b>Grades Earned C</b>	<b>Grades Earned D</b>
Social Studies n= 35	49%	34%	17%	0%
History n= 10	60%	20%	20%	0%
Political Science n= 6	67%	33%	0%	0%
Geography n= 3	67%	33%	0%	0%
Economics n= 3	33%	33%	33%	0%
Psychology n= 2	0%	0%	100%	0%

Content Areas	Grades Earned A	Grades Earned B	Grades Earned C	Grades Earned D
Sociology n= 3	33%	33%	33%	0%
Anthropology n= 4	50%	50%	0%	0%
Hawaiian-Pacific Studies n= 4	25%	75%	0%	0%

### Professional Program

Content Areas	Grades Earned A	Grades Earned B	Grades Earned C	Grades Earned D
Professional Program n= 64	71%	19%	10%	0%

## Middle-level/Secondary Program Completer Content Knowledge Content Area Grades: Academic Year 2020-21

### Biology Teaching Area: 57 credits

#### Biology: 21 credits

Class	Class Name	n	$\mu$ (range)	SD
BIOL 171	Introduction to Biology I	2	3.0 (2.0-4.0)	1.4
BIOL 171L	Introduction to Biology I Lab	2	2.5 (2.0-3.0)	0.7
BIOL 172	Introduction to Biology II	2	2.3 (2.0-2.7)	0.4
BIOL 172L	Introduction to Biology II Lab	2	2.5 (2.0-3.0)	0.7
BIOL 265	Ecology and Evolutionary Biology	2	3.0 (2.0-4.0)	1.4
BIOL 265L	Ecology and Evolutionary Biology Lab	2	2.5 (2.0-3.0)	0.7
BIOL 340	Genetics, Evolution and Society	2	3.5 (3.0-4.0)	0.7
BIOL 360	Island Ecosystems	2	3.0 (2.0-4.0)	1.4
BIOL 365	Research Methods in Biology	2	2.0 (1.0-3.0)	1.4

#### Upper Division Biological Science Elective: 3-4 cr.

Class	Class Name	n	$\mu$ (range)	SD
BIOL 302	The One Health Approach to Infectious Disease	2	3.5 (3.0-4.0)	0.7

#### Chemistry: 8 cr.

Class	Class Name	n	$\mu$ (range)	SD
CHEM 161	General Chemistry I	2	2.0	NA
CHEM 161L	General Chemistry I Lab	2	3.0 (2.0-4.0)	1.4

Class	Class Name	n	$\mu$ (range)	SD
CHEM 162	General Chemistry II	2	3.0 (2.0-4.0)	1.4
CHEM 162L	General Chemistry II Lab	2	4.0	NA

### Physical Science: 3-4 cr.

Class	Class Name	n	$\mu$ (range)	SD
OCN 201	Science of the Sea	2	2.0	NA

### Math: 6 cr

Class	Class Name	n	$\mu$ (range)	SD
MATH 103	College Algebra	2	3.0	NA
MATH 135	Pre-Calculus: Elementary Functions	1	2.0	NA
MATH 140X	Accelerated Pre-Calculus: Elem Functions, Trig, & Analytic Geometry	1	4.0	NA

### Statistics: 3 cr.

Class	Class Name	n	$\mu$ (range)	SD
MATH 115	Statistics	2	3.8 (3.7-4.0)	NA

### English Teaching Area: 39-45 credits

Class	Class Name	n	$\mu$ (range)	SD
ENG 402	History of the English Language	6	3.2 (2.0-4.0)	0.7
ENG 300F	Expository Writing for Teachers	6	3.4 (1.7-4.0)	0.9

### Creative Writing: Choose 3 cr.

Class	Class Name	n	$\mu$ (range)	SD
ENG 312	Creative Writing Strategies for Teachers	4	3.7 (3.0-4.0)	0.5
ENG 313	Introduction to Creative Writing	3	3.5 (3.0-4.0)	0.5
ENG 240	Introduction to Literary Studies	6	3.4 (1.7-4.0)	0.9
ENG 250	American Literature Survey	6	3.4 (2.0-4.0)	0.8

### British Literature: Choose 3 cr.

Class	Class Name	n	$\mu$ (range)	SD
ENG 260	British Literature Survey I (800-1700)	4	3.6 (2.7-4.0)	0.6
ENG 261	British Literature Survey II (1700-present)	2	4.0	NA

### World Literature: Choose 3 cr.

Class	Class Name	n	$\mu$ (range)	SD
ENG 253	Survey of World Literature I	5	3.4 (2.3-4.0)	0.7
ENG 272	Introduction to Literature: Culture and Literature (substitute)	1	4.0	NA

Class	Class Name	n	$\mu$ (range)	SD
ENG 386	Adolescent Literature	7	3.8 (3.7-4.0)	0.1

### Choose 3 cr.

Class	Class Name	n	$\mu$ (range)	SD
ENG 440B	Major Author: Morrison/Yamanaka	1	3.3	NA
ENG 445	Shakespeare	5	3.5 (2.7-4.0)	0.6
ENG 491	Senior Project	6	3.7 (3.0-4.0)	0.4

### Hawaiian/Asian Pacific Literature: Choose 3 cr.

Class	Class Name	n	$\mu$ (range)	SD
ENG 380	Multicultural & Postcolonial Literatures (substitute)	1	4.0	NA
ENG 476	Contemporary Literature of Hawai'i	1	4.0	NA
ENG 477	Polynesian and Micronesian Mythology	1	3.0	NA
ENG 478	Hawaiian Mythology II	2	2.5 (2.0-3.0)	0.7
ENG 481	Plantation Fictions	1	4.0	NA

### Literature Elective: Choose 3 cr.

Class	Class Name	n	$\mu$ (range)	SD
ENG 380	Multicultural & Postcolonial Literatures	1	2.3	NA
ENG 383	Children's Literature	6	3.6 (2.0-4.0)	0.8

### Media Discourse and Composition: Choose 3 cr.

Class	Class Name	n	$\mu$ (range)	SD
ENG 367C	Film Genres & Directors: Gangster Film	3	4.0	NA
ENG 367D	Film Genres & Directors: Science Fiction Film	1	3.0	NA
ENG 441	Gender & Sexuality in Literature and Film	2	3.6 (3.3-4.0)	0.4
ENG 465	History of Theatre	1	2.0	NA

### General Science Teaching Area: 41-43 credits

#### Biology: 10 credits

Class	Class Name	n	$\mu$ (range)	SD
BIOL 123	Hawaiian Environmental Biology	1	4.0	NA
BIOL 123L	Hawaiian Environmental Biology Lab	1	4.0	NA
BIOL 340	Genetics, Evolution, & Society	1	3.0	NA
BIOL 310	Statistics for Biologists (BIOL 499 substitute)	1	4.0	NA

### Botany: 4 credits

Class	Class Name	n	$\mu$ (range)	SD
BOT 101	General Botany	1	3.0	NA
BOT 101L	General Botany Lab	WAIVED	WAIVED	WAIVED

### Physical Sciences: 11 credits

Class	Class Name	n	$\mu$ (range)	SD
BIOC 141	Fundamentals of Biochemistry	1	3.0	NA
CHEM 161	General Chemistry	1	2.0	NA
CHEM 161L	General Chemistry Lab	1	4.0	NA
PHYS 151	College Physics	1	4.0	NA
PHYS 151L	College Physics Lab	1	4.0	NA

### Earth Sciences: 8 credits

Class	Class Name	n	$\mu$ (range)	SD
GEOL 101	Dynamic Earth	1	2.3	NA
GEOL 101L	Dynamic Earth Lab	1	3.7	NA

### Science Electives: 6-8 credits

Class	Class Name	n	$\mu$ (range)	SD
BIOL 365	Research Methods in Biology	1	3.0	NA
OCN 201	Science of the Sea	1	2.0	NA

### Math Teaching Area: 36 credits

Class	Class Name	n	$\mu$ (range)	SD
MATH 115	Statistics	4	3.5 (3.0-4.0)	0.5
MATH 241	Calculus I	4	2.7 (2.0-3.0)	0.5
MATH 242	Calculus II	4	3.0 (2.0-3.7)	0.7
MATH 243	Calculus III <u>or</u>	2	3.0	NA
MATH 245	Multivariable Calculus (substitute)	2	1.5 (1.0-2.0)	0.7

### Linear Algebra: Choose 3 cr.

Class	Class Name	n	$\mu$ (range)	SD
MATH 307	Linear Algebra & Ordinary Differential Equations	3	2.6 (1.7-3.3)	0.8
MATH 311	Introduction to Linear Algebra	1	3.7	NA
MATH 321	Introduction to Advanced Mathematics	4	3.8 (3.7-4.0)	0.1
MATH 327	History of Mathematics	4	3.8 (3.3-4.0)	0.3
MATH 351	Foundation of Euclidean Geometry	4	4.0	NA
MATH 371	Elementary Probability Theory <u>or</u>	1	3.3	NA
MATH 361	Applied Probability Theory (previously MATH 371)	3	2.8 (2.0-2.7)	0.8
MATH 480	Senior Seminar (graded CR/NC; no GPA points)	4	CR	NA

**Math Elective: 3 cr.**

Class	Class Name	n	$\mu$ (range)	SD
MATH 245	Multivariable Calculus	1	2.0	NA
MATH 412	Introduction to Abstract Algebra	3	3.5 (3.0-4.0)	0.5

**Social Studies Teaching Area: 33-57 credits****Required: 12 cr.**

Class	Class Name	n	$\mu$ (range)	SD
HIST 151	World History to 1500	2	3.5 (3.0-4.0)	0.7
HIST 152	World History Since 1500	2	3.0 (2.0-4.0)	1.4
HIST 281	Introduction to American History I	2	3.3 (2.7-4.0)	0.9
HIST 282	Introduction to American History II	2	2.8 (2.0-3.7)	1.2

**Upper Division History Course: Choose 0-3 cr.**

Class	Class Name	n	$\mu$ (range)	SD
HIST 379	American Empire	1	4.0	NA
POLS 110	Introduction to Political Science	2	4.0	NA

**Choose 6 cr.**

Class	Class Name	n	$\mu$ (range)	SD
POLS 302	Political Philosophy	1	4.0	NA
POLS 326	Environmental Politics	1	4.0	NA
POLS 370	Politics and Public Policy	1	3.0	NA
POLS 384	Women and Politics	1	2.7	NA
GEOG 102	World Regional Geography	2	3.5 (3.0-4.0)	0.7

**Choose 3 cr.**

Class	Class Name	n	$\mu$ (range)	SD
GEOG 365	Geography of the Pacific (substitute)	1	4.0	NA
HIST 321	Japanese Culture (substitute)	1	3.3	NA
ECON 130	Principles of Microeconomics	2	3.6 (3.3-4.0)	0.4
ECON 131	Principles of Macroeconomics	2	3.0 (2.0-4.0)	1.4

**Psychology: Choose 0-6 cr.**

Class	Class Name	n	$\mu$ (range)	SD
PSY 240	Developmental Psychology	1	2.0	NA
PSY 250	Social Psychology	1	2.0	NA

**Sociology: Choose 3-6 cr.**

Class	Class Name	n	$\mu$ (range)	SD
SOC 100	Survey of General Sociology	2	3.5 (3.0-4.0)	0.7
SOC 352	Sociology of Education	1	2.3	NA

**Anthropology: Choose 6 cr.**

Class	Class Name	n	$\mu$ (range)	SD
ANTH 152	Culture and Humanity	2	3.6 (3.3-4.0)	0.4
ANTH 321	World Archaeology I	1	3.7	NA
ANTH 490	History and Theory of Anthropology	1	3.0	NA

**Hawaiian-Pacific Studies: Choose 6 cr.**

Class	Class Name	n	$\mu$ (range)	SD
HPST 304	Hawaiian-Pacific Traditions	1	3.0	NA
HPST 365	Geography of the Pacific	1	3.0	NA
HPST 384	Hawai'i From European Contact to the Overthrow	1	2.7	NA
HPST 471	Polynesia Before European Contact	1	4.0	NA

**Selected Professional Program Courses (All Teaching Areas): 12 credits****Required: 9 cr.**

Class	Class Name	n	$\mu$ (range)	SD
EDEF 404	Teaching Culturally and Linguistically Diverse Learners	16	3.2 (2.0-4.0)	0.6
EDUC 410	Reading & Writing Across the Curriculum	16	3.5 (2.0-4.0)	0.8
SPED 405	Education and Special Needs Students	16	3.7 (1.7-4.0)	0.6

**Select 3 cr. associated with concentration and subject area**

Class	Class Name	n	$\mu$ (range)	SD
EDSE 428	Secondary English Language Arts Methods	7	4.0	NA
EDSE 437	Secondary Math Methods	4	4.0	NA
EDSE 448	Secondary Social Studies Methods	2	4.0	NA
EDSE 457	Biological Science Methods	2	2.3 (2.0-2.7)	0.4
EDSE 458	Secondary General Science Methods	1	3.3	NA