

**Middle-level & Secondary Education Graduates
Biology, English, Math, Social Studies Areas of Concentration
Content Area Grades: Academic Year 2023-24**

Average % of Grades Earned by Middle-level & Secondary Education Majors

AY 2023-24

Biology Grades Earned

| Biology | A | B | C | D |
|---------|-------|-------|-----|----|
| n= 36 | 55.5% | 30.5% | 14% | 0% |

English NCTE Standards Grades Earned

| English NCTE Standards | A | B | C | D |
|------------------------|-----|-----|-----|----|
| n= 60 | 55% | 18% | 20% | 7% |

Math NCTM Standards Grades Earned

| Math NCTM Standards | A | B | C | D |
|---------------------|-------|-----|------|----|
| n= 40 | 57.5% | 35% | 2.5% | 5% |

Social Studies NCSS Standards Grades Earned

| Social Studies NCSS Standards | A | B | C | D |
|-----------------------------------|-----|-----|-----|----|
| n= 95 | 65% | 31% | 5% | 0% |
| History n= 30 | 70% | 27% | 3% | 0% |
| Political Science n= 18 | 56% | 44% | 0% | 0% |
| Geography n= 12 | 67% | 25% | 8% | 0% |
| Economics n= 6 | 33% | 50% | 17% | 0% |
| Sociology n= 6 | 83% | 17% | 0% | 0% |
| Anthropology n= 11 | 73% | 27% | 0% | 0% |
| Hawaiian-Pacific Studies n= 12 | 58% | 25% | 17% | 0% |

Professional Program Grades Earned

| Professional Program | A | B | C | D |
|----------------------|---|---|---|---|
|----------------------|---|---|---|---|

| Professional Program | A | B | C | D |
|----------------------|-----|-----|----|----|
| n= 72 | 74% | 18% | 8% | 0% |

Biology Teaching Area: 57 credits
Next Generation Science Standards (NGSS)
National Science Teaching Association (NSTA) Standards

Biology: 21 credits

| Class | Class Name | n | μ (range) | SD |
|-----------|--------------------------------------|---|-------------------|-----|
| BIOL 171 | Introduction to Biology I | 2 | 4.0 | NA |
| BIOL 171L | Introduction to Biology I Lab | 2 | 3.5 (3.0-4.0) | 0.7 |
| BIOL 172 | Introduction to Biology II | 2 | 3.5 (3.0-4.0) | 0.7 |
| BIOL 172L | Introduction to Biology II Lab | 2 | 3.5 (3.0-4.0) | 0.7 |
| BIOL 265 | Ecology and Evolutionary Biology | 2 | 3.85 (3.7-4.0) | 0.2 |
| BIOL 265L | Ecology and Evolutionary Biology Lab | 2 | 4.0 | NA |
| BIOL 340 | Genetics, Evolution and Society | 2 | 3.5 (3.0-4.0) | 0.7 |
| BIOL 360 | Island Ecosystems | 2 | 3.5 (3.0-4.0) | 0.7 |
| BIOL 365 | Research Methods in Biology | 2 | 3.5 (3.0-4.0) | 0.7 |

Upper Division Biological Science Elective: 3-4 cr.

| Class | Class Name | n | μ (range) | SD |
|----------|--------------------------------------|---|-------------------|-----|
| BIOL 390 | Communicating in Biological Sciences | 2 | 2.85 (1.7-4.0) | 1.6 |

Chemistry: 8 cr.

| Class | Class Name | n | μ (range) | SD |
|-----------|--------------------------|---|-------------------|-----|
| CHEM 161 | General Chemistry I | 2 | 2.0 (1.7-2.3) | 0.4 |
| CHEM 161L | General Chemistry I Lab | 2 | 2.5 (2.0-3.0) | 0.7 |
| CHEM 162 | General Chemistry II | 2 | 2.35 (1.7-3.0) | 0.9 |
| CHEM 162L | General Chemistry II Lab | 2 | 4.0 | NA |

Physical Science: 3-4 cr.

| Class | Class Name | n | μ (range) | SD |
|---------|--------------------|---|------------------|-----|
| OCN 201 | Science of the Sea | 2 | 3.5 (3.0-4.0) | 0.7 |

Math: 6 cr.

| Class | Class Name | n | μ (range) | SD |
|-----------|---|---|-------------------|-----|
| MATH 103 | College Algebra | 1 | 4.0 | NA |
| MATH 135 | Pre-Calculus: Elementary Functions | 1 | 3.3 | NA |
| MATH 140X | Accelerated Pre-Calculus: Elem Functions, Trig, & Analytic Geometry | 2 | 3.85 (3.7-4.0) | 0.2 |

Statistics: 3 cr.

| Class | Class Name | n | μ (range) | SD |
|----------|------------|---|-------------------|-----|
| MATH 115 | Statistics | 2 | 3.35 (3.0-3.7) | 0.4 |

English Teaching Area: 30 credits
National Council of Teachers of English (NCTE) Standards

Theory and Analysis: Choose 3 cr.

| Class | Class Name | n | μ (range) | SD |
|----------|--|---|-------------------|-----|
| ENG 402 | From Vikings to Pidgin: The History of English | 1 | 1.7 | NA |
| ENG 300F | Expository Writing for Teachers | 5 | 2.68 (1.0-4.0) | 1.2 |

Written Discourse/Creative Writing: Choose 3 cr.

| Class | Class Name | n | μ (range) | SD |
|---------|--|---|-------------------|-----|
| ENG 312 | Creative Writing Strategies for Teachers | 2 | 3.5 (3.0-4.0) | 0.7 |
| ENG 313 | Introduction to Creative Writing | 3 | 3.8 (3.7-4.0) | 0.1 |
| ENG 317 | Pidgin Creative Writing Workshop | 1 | 4.0 | NA |
| ENG 240 | Introduction to Literary Studies | 6 | 3.28 (2.0-4.0) | 0.7 |

Literature: Choose 6 cr:

| Class | Class Name | n | μ (range) | SD |
|---------|--|---|------------------|-----|
| ENG 250 | American Literature Survey | 5 | 3.6 (2.3-4.0) | 0.7 |
| ENG 260 | British Literature Survey I (800-1700) | 3 | 3.0 (2.3-4.0) | 0.8 |
| ENG 261 | British Literature II (1700-present) | 4 | 3.0 (1.0-4.0) | 1.3 |

Author: Choose 3 cr:

| Class | Class Name | n | μ (range) | SD |
|----------|-----------------------|---|------------------|-----|
| ENG 440A | Major Author: Dante | 2 | 2.6 (2.0-3.3) | 0.9 |
| ENG 440D | Major Author: Baldwin | 1 | 1.0 | NA |
| ENG 445 | Shakespeare | 3 | 3.3 (2.0-4.0) | 1.1 |
| ENG 491 | Senior Project | 6 | 3.3 (2.3-4.0) | 0.9 |

Hawaiian/Asian Pacific Literature: Choose 3 cr.

| Class | Class Name | n | μ (range) | SD |
|---------|--|---|------------------|-----|
| ENG 480 | Contemporary Literature of the Pacific | 4 | 3.2 (2.0-4.0) | 0.9 |
| ENG 481 | Plantation Fictions | 2 | 4.0 | NA |

Literature Elective: Choose 3 cr.

| Class | Class Name | n | μ (range) | SD |
|-------|------------|---|---------------|----|
|-------|------------|---|---------------|----|

| Class | Class Name | n | μ (range) | SD |
|---------|---------------------------------|---|------------------|-----|
| ENG 383 | Children's Literature | 2 | 2.8 (1.7-4.0) | 1.6 |
| ENG 385 | Fairy Tales & Their Adaptations | 4 | 2.9 (1.3-4.0) | 1.2 |

Media Discourse and Composition: Choose 3 cr.

| Class | Class Name | n | μ (range) | SD |
|----------|---|---|------------------|-----|
| ENG 367E | Film Genres & Directors: Road Movie | 1 | 4.0 | NA |
| ENG 441 | Gender & Sexuality in Literature and Film | 5 | 3.0 (1.7-4.0) | 0.8 |

Math Teaching Area: 36 credits National Council of Teachers of Mathematics Standards

| Class | Class Name | n | μ (range) | SD |
|----------|--|---|------------------|-----|
| MATH 115 | Statistics | 4 | 3.8 (3.3-4.0) | 0.3 |
| MATH 241 | Calculus I | 4 | 3.4 (3.3-4.0) | 0.3 |
| MATH 242 | Calculus II | 4 | 3.6 (2.7-4.0) | 0.6 |
| MATH 245 | Multivariable Calculus | 4 | 2.8 (1.0-4.0) | 1.3 |
| MATH 307 | Linear Algebra & Ordinary Differential Equations | 4 | 2.3 (1.0-3.0) | 0.9 |
| MATH 321 | Introduction to Advanced Mathematics | 4 | 3.6 (2.7-4.0) | 0.6 |
| MATH 327 | History of Mathematics | 4 | 4.0 | NA |
| MATH 351 | Foundation of Euclidean Geometry | 4 | 4.0 | NA |
| MATH 361 | Applied Probability Theory | 4 | 3.1 (2.7-3.7) | 0.4 |
| MATH 480 | Senior Seminar (graded CR/NC; no GPA points) | 4 | CR | NA |

Math Elective: 3 cr.

| Class | Class Name | n | μ (range) | SD |
|----------|--------------------|---|------------------|-----|
| MATH 461 | Applied Statistics | 4 | 3.4 (2.7-4.0) | 0.5 |

Social Studies Teaching Area: 48 credits National Council for the Social Studies (NCSS) Standards

Required: 12 cr.

| Class | Class Name | n | μ (range) | SD |
|----------|-------------------------------------|---|------------------|-----|
| HIST 151 | World History to 1500 | 6 | 3.9 (3.7-4.0) | 0.1 |
| HIST 152 | World History Since 1500 | 6 | 3.6 (3.0-4.0) | 0.5 |
| HIST 281 | Introduction to American History I | 6 | 3.1 (2.0-4.0) | 0.8 |
| HIST 282 | Introduction to American History II | 6 | 3.5 (3.0-4.0) | 0.4 |

Upper Division History Course: 3 cr.

| Class | Class Name | n | μ (range) | SD |
|-------|------------|---|---------------|----|
|-------|------------|---|---------------|----|

| Class | Class Name | n | μ (range) | SD |
|-----------|--|---|------------------|-----|
| HIST 361 | U.S. Women's History | 1 | 4.0 | NA |
| HIST 363 | Twentieth Century U.S. Popular, Mass and Counter-Culture | 2 | 3.8 (3.7-4.0) | 0.2 |
| HIST 379 | American Empire | 1 | 3.7 | NA |
| HIST 398M | Anime Historical Storytelling | 1 | 4.0 | NA |
| HIST 482 | Pacific Islands | 1 | 3.3 | NA |

Introduction to Political Science: 3 cr.

| Class | Class Name | n | μ (range) | SD |
|----------|--|---|---------------|----|
| POLS 110 | Introduction to Political Science | 4 | 4.0 | NA |
| POLS 180 | Introduction to Politics in Hawai'i (substitute) | 1 | 4.0 | NA |
| ANTH 151 | Emerging Humanity (substitute) | 1 | 4.0 | NA |

Political Science: Choose 6 cr.

| Class | Class Name | n | μ (range) | SD |
|----------|--------------------------------------|---|------------------|-----|
| POLS 302 | Political Philosophy | 1 | 4.0 | NA |
| POLS 320 | Global Issues | 2 | 3.1 (3.0-3.3) | 0.2 |
| POLS 326 | Environmental Politics | 1 | 3.0 | NA |
| POLS 330 | American Politics | 5 | 3.0 (2.7-3.7) | 0.4 |
| POLS 342 | Indigenous Peoples and Modernity | 1 | 3.7 | NA |
| POLS 371 | Global Futures | 1 | 3.0 | NA |
| POLS 440 | Kanawai Hawai'i: Native Hawaiian Law | 1 | 4.0 | NA |
| GEOG 102 | World Regional Geography | 6 | 3.6 (3.0-4.0) | 0.5 |

| Class | Class Name | n | μ (range) | SD |
|-------------------------|------------|---|---------------|----|
| Geography: Choose 3 cr. | | | | |

| Class | Class Name | n | μ (range) | SD |
|----------|---|----|------------------|-----|
| GEOG 328 | Culture and Environment | 5 | 3.2 (2.0-3.7) | 0.7 |
| GEOG 365 | Geography of the Pacific (substitute) | 1 | 3.7 | NA |
| ECON 131 | Principles of Macroeconomics | 6 | 3.2 (2.7-4.0) | 0.7 |
| SOC 100 | Survey of General Sociology | 6 | 3.8 (3.3-4.0) | 0.2 |
| ANTH 152 | Culture and Humanity *One completed course with CR | 5* | 3.8 (3.3-4.0) | 0.3 |

Upper Division Anthropology Course: 3 cr.

| Class | Class Name | n | μ (range) | SD |
|----------|----------------------------------|---|------------------|-----|
| ANTH 390 | Heritage Tourism | 1 | 4.0 | NA |
| ANTH 415 | Human Ecological Adaptation | 3 | 3.6 (3.3-4.0) | 0.3 |
| ANTH 483 | Archaeology of Hawai'i | 1 | 3.0 | NA |
| ANTH 490 | History & Theory of Anthropology | 1 | 3.7 | NA |

Hawaiian-Pacific Studies: Choose 6 cr.

| Class | Class Name | n | μ (range) | SD |
|----------|--------------------------|---|------------------|-----|
| HPST 365 | Geography of the Pacific | 2 | 3.5 (3.0-4.0) | 0.7 |

| Class | Class Name | n | μ (range) | SD |
|----------|--|---|------------------|-----|
| HPST 384 | Hawai'i From European Contact to the Overthrow | 5 | 3.4 (2.3-4.0) | 0.7 |
| HPST 440 | Kanawai Hawai'i: Native Hawaiian Law | 2 | 4.0 | NA |
| HPST 482 | Pacific Islands | 1 | 2.0 | NA |
| HPST 488 | Twentieth Century Hawai'i | 2 | 3.5 (3.0-4.0) | 0.7 |

Selected Professional Program Courses (All Teaching Areas): 12 credits

Required: 9 cr.

| Class | Class Name | n | μ (range) | SD |
|----------|---|----|------------------|-----|
| EDEF 404 | Teaching Culturally and Linguistically Diverse Learners | 18 | 3.4 (1.7-4.0) | 0.7 |
| EDUC 410 | Reading & Writing Across the Curriculum | 18 | 3.7 (2.0-4.0) | 0.5 |
| SPED 405 | Education and Special Needs Students | 18 | 3.5 (1.7-4.0) | 0.7 |

Select 3 cr. associated with concentration and subject area

| Class | Class Name | n | μ (range) | SD |
|----------|--|---|------------------|-----|
| EDML 428 | Middle-Level English Language Arts Methods | 1 | 4.0 | NA |
| EDSE 428 | Secondary English Language Arts Methods | 5 | 4.0 | NA |
| EDSE 437 | Secondary Math Methods | 4 | 3.1 (2.3-4.0) | 0.8 |
| EDSE 448 | Secondary Social Studies Methods | 6 | 3.7 (3.0-4.0) | 0.4 |
| EDSE 457 | Biological Science Methods | 2 | 3.3 (2.7-4.0) | 0.9 |