

HEALTH SCIENCE
Health Administration Option, B.S. (120 Units)
 Valid for Catalog Year: 2018/2019

Health Science Core Program Requirements	15 Units □
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- PH 92: Public Health Statistics (3) _____
- PH 100: Community Health (3) _____
- PH 109: Epidemiology of Disease (3) (*Pre-Requisite:* PH 92, MATH 11, PSYCH 42, or DS 73) _____
- PH 161: Environment and Human Health (3) (**GE Area IB**) _____
- PH 163: Public Health Administration (3) _____

Health Administration Option Requirements	16 Units □
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- PH 90: Contemporary Health Issues (3) _____
- PH 151: Health Law and Legislation (3) (**FALL ONLY**) _____
- PH 154: Health Care Administration (3) (**SPRING ONLY**) _____
- OR** PLSI 181: Public Administration (3) _____
- OR** MGT 104: Administrative Principles of Management (3) (*Pre-Requisite:* BA 105W or ENGL 160W; can be concurrent) _____
- PH 155: Utilization of Health Care Resources (3) (*Pre-Requisite:* ECON 40) _____
- OR** ECON 162: Health Economics (3) (*Pre-Requisite:* ECON 40 and ECON 50) (**SPRING - EVEN**) _____
- MKTG 100S: Marketing Concepts (4) (*Pre-Requisite:* BA 105W or ENGL 160W) (**MI**) _____

Health Administration Options Additional Requirements	12 Units □
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- ACCT 4A: Financial Accounting Principles and Systems (3) _____
- OR** ACCT 3: Essentials of Accounting (3) (**FALL ONLY**) _____
- ECON 40: Principles of Microeconomics (3) (**GE Area D3**) _____
- ECON 50: Principles of Macroeconomics (3) (**GE Area D3**) _____
- PH 182: Computers for the Health Professions (3) _____

Health Administration Option Elective Requirements	15-16 Units □
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Select a minimum of 15-16 units from the following:

- PH 104: Global and Cultural Issues in Health (3) (**MI**) _____
- PH 114: Health Behavior (3) _____
- PH 115: Health Issues of Aging (3) _____
- PH 129: Rural Health (3) (**SPRING ONLY**) _____
- PH 143: Occupational Safety (3) _____
- PH 168A: Occupational Health Concepts (3) (**FALL ONLY**) _____
- PH 185FI: Fieldwork in Health (1-3) (*Pre-Requisite:* Completion of 24 units in Core and Administration Option Courses) _____
- HRM 150: Administration of Personnel (3) (*Pre-Requisite:* MGT 100; BA 105W or ENGL 160W) _____
- MKTG 132: Promotion Mix: Principles and Practices (4) (*Pre-Requisite:* MKTG 100S) _____
- SOC 147: Medical Sociology (3) _____

Recommended Upper Division Writing Skills (UDWS) Course (OPTIONAL)	3-4 Units □
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- BA 105W: Business Communication (3)
- OR** ENGL 160W: Writing Workshop (4) (*Pre-Requisite:* ENGL 10 or 5B)

Total Units Required in Major	59 units
Total Units Required in General Education	49 units
Electives needed	12 units

2018-2019 GENERAL EDUCATION (G.E.) REQUIREMENTS

NOTES: **A minimum of 49 G.E. units are required.** All classes are three or more semester units.
Engineering and Liberal Studies majors complete a different G.E. pattern--consult department advisor.

◆ FOUNDATION

Four courses: One in A1, one in A2, one in A3, & one in B4 for a minimum of 12 units.
FOUNDATION courses must be satisfied with a minimum "C" grade.

Area A - Fundamental Skills and Knowledge

- A1 Oral Communication:** Communication 3, 7, 8
A2 Written Communication: (Prerequisite for English 5B is passing 5A) English 5B, 10
A3 Critical Thinking: Africana Studies 20; Anthropology 30; Chicano & Latin American Studies 30; College of Science & Math 10; Communication 5; Computer Science 1; Geography 25; Interdisciplinary 50; Natural Science 4; Philosophy 25, 45; Sociology 3, 3S; Women's Studies 12
B4 Quantitative Reasoning: (Co-requisite or prerequisite Math courses may be required. Check with advisors) Criminology 50, Decision Sciences 71; Mathematics 11, 11L, 45, 45L, 70, 75, 75A

Course/Units/Grade

A1 _____
 A2 _____
 A3 _____
 B4 _____

◆ BREADTH

Area B - Physical Universe and Its Life Forms

Two courses: One in B1 and one in B2--see above for B4

- B1 Physical Sciences:** (Prerequisite: Completion of B4) Chemistry 1A & 1AL, 3A, 10; Earth & Environmental Sciences 1, 1V, 4; Physical Science 21; Physics 2A, 4A & 4AL, 10
B2 Life Sciences: Biology 1A, 10, 11, 12
B3 Laboratory Component: B1 or B2 must have a lab (All B1 and B2 courses taken at Fresno State have a mandatory lab component.)

B1 _____
 B2 _____
 B3 _____

Area C - Arts and Humanities

Three courses: One in C1, one in C2, and a third from C1 or C2

- C1 Arts:** Armenian Studies 20; Art 1, 20, 40, 50; Art History 10, 11; Chicano & Latin American Studies 9; Drama 22, 62; English 41, 43, 44; Music 9, 74, 75
C2 Humanities: Arabic 1A, 1B; Armenian 1A, 1B, 2A; Chinese 1A, 1B; Communicative Sciences & Deaf Studies 90, 92; English 20, 30; French 1B, 2A, 2B; German 1B, 2A, 2B; Greek 1A, 1B; Hebrew 1A, 1B; Hmong 1A, 1B; Humanities 10, 11, 15, 20; Italian 1A, 1B, 2A, 2B; Japanese 1A, 1B; Latin 1A, 1AH, 1B; Linguistics 10; Persian 1A, 1B; Philosophy 1, 2, 10, 20; Portuguese 1A, 1B; Spanish 1B, 2A, 2B, 3, 4A, 4B

C1 _____
 C2 _____
 C1 or
 C2 _____

Area D - Social, Political & Economic Institutions & Behavior, Historical Background

One course in each sub-area (Prerequisite: GE Foundation A2 for students in English college-readiness Category III and IV)

- D1 American History:** History 11, 12
D2 American Government: Political Science 2
D3 Social Science: Africana Studies 10, 15, 27; Agricultural Business 1; American Indian Studies 50; Anthropology 2, 3; Armenian Studies 10; Asian American Studies 15; Child & Family Studies 31; Chicano & Latin American Studies 3, 5; Communicative Sciences & Deaf Studies 98; Criminology 10; Economics 25, 40, 50; Geography 2, 4, 81; History 20, 21; Industrial Technology 20; Jewish Studies 10; MCJ 1; Middle East Studies 10; Political Science 1; Psychology 10; Sociology 1 or 1S; Women's Studies 10

D1 _____
 D2 _____
 D3 _____

Area E - Lifelong Understanding and Self-Development One course

- E Lifelong Understanding & Self-Development:** Animal Science 67; Art 13; Child & Family Studies 38, 39; College of Science & Math 15S; Dance 16, 70; Drama 32; Finance 30; Gerontology 10S, 18, 111; Kinesiology 32 & concurrent enrollment in any KAC course; Linguistics 30; Nutrition 53; Peace and Conflict Studies 110; Psychology 61; Public Health 90, 91, 110; Recreation Administration 80; University 1; Women's Studies 18

E _____

UPPER DIVISION G.E. CONSISTS OF 12 UNITS

IB, IC, and ID courses can be taken no sooner than the term in which 60 units of course are completed.

◆ INTEGRATION Three upper division courses--one in each area

- IB Physical Universe and Its Life Forms:** (Prerequisite: Completion of FOUNDATION and Area B) Anthropology 161; Chemistry 170; Computer Science 100; Earth & Environmental Sciences 112, 167, 168; Geography 115, 128; Natural Science 115, 120, 121, 125; Physical Science 131, 168; Physics 100; Plant Science 105; Public Health 161
IC Arts and Humanities: (Prerequisite: Completion of FOUNDATION and Area C) Africana Studies 129; Armenian 148; Art 102; Arts & Humanity 105; Dance 171; Drama 163; English 101, 102, 103, 112, 113, 114, 174; French 109, 149; Humanities 104, 108, 110, 118; Interdisciplinary Art Studies 108; Linguistics 115, 130, 138; Music 170A, 171, 187; Philosophy 120, 150, 151; Spanish 125, 129
ID Social, Political and Economic Institutions and Behavior, Historical Background: (Prerequisite: Completion of FOUNDATION and Area D) Africana Studies 144; Agricultural Business 155; American Indian Studies 103; Anthropology 116W, 145; Chicano & Latin American Studies 114; Criminology 101, 120, 120S, 153; Economics 146, 167, 176, 183; Geography 173, 184; Gerontology 100; History 101, 154; Jewish Studies 154; Kinesiology 111; Media, Communications and Journalism 178; Peace and Conflict Studies 100; Social Science 110; Sociology 131, 143, 163; Women's Studies 101, 149

IB _____
 IC _____
 ID _____

TOTAL UNITS _____

Graduation Requirements

PLANNING YOUR DEGREE

- ❑ **Meet with an Academic Counselor to complete a My Degree Plan (roadmap)**
- ❑ **Units per semester to graduate:**
 - 4 years: 15 units x 8 semesters = 120 units
 - 5 years: 12 units x 10 semesters = 120 units
- ❑ **Complete your upper-division writing skills during your junior year (60-90 units)**
- ❑ **Complete your Application for Degree & pay the fee during the first four weeks of your final semester**

- **120 unit minimum - comprised of:**
 - 49 General Education (or modified version per Major)
 - Major
 - Electives if needed to reach 120 units (minor/certificate/other)
- **2.00 GPA in:**
 - Major
 - Campus units
 - Cumulative units
- **Specific course requirements:**
 - English Composition (English 5A & 5B, 10 or equivalent)
 - US History (History 11, 12 or equivalent)
 - US and California Constitution (Political Science 2, 102 or equivalent)
 - Multicultural/International course

Multicultural/International courses

Africana Studies **150, 164**; Anthropology **105W, 120, 123, 125**; Asian American **110**; Business Administration **104**; Chicano & Latin American Studies **160, 170**; Communication **164**; Communicative Sciences & Deaf Studies **139**; Economics **181**; Geography **167**; Gerontology **161**; History **186**; Humanities **105, 140**; Interdisciplinary Capstone **177, 188S**; Linguistics **147**; Media, Communications and Journalism **175, 176, 179**; Marketing **100S**; Nursing **141, 141LS**; Public Health **104, 128S**; Philosophy **131, 132**; Political Science **120**; Recreation Administration **130**; Sociology **111, 142**; Social Science **180**; Social Work **136**; Womens Studies **110, 120S, 135**;

- **Writing Skills Requirement:**
 - Upper-division writing skills (exam or course with a “W”)

W courses

Africana Studies **104W**; Anthropology **105W, 116W**; Business Administration **105W**; Chemistry **161W**; Chicano & Latin American Studies **102W**; Child and Family Science **130W***; Economics **102W**; Earth and Environmental Sciences **135W**; English **115W, 117W*, 160W**; Health & Human Services **116W**; History **100W**; Industrial Technology **198W**; Jewish Studies **100W**; LEE **180W**; Linguistics **110W, 111W**; Media, Communications and Journalism **102W***; Philosophy **133W**; Plant Science **110W**; Sociology **130W**;

Note: a few majors require a specific “W” course; see catalog requirement for your major

*Enrollment may be restricted or have additional prerequisites. Check the course description in the catalog or my.fresnostate.edu.

Fresno State Residency unit minimums:

- 30 units
 - 24 upper-division units
 - 12 units in major
 - 9 General Education units
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