HEALTH SCIENCE

Environmental/Occupational Health and Safety Option, B.S. (120 Units)

Valid for Catalog Years: 2014/2015 to 2018/2019

PH 92: Public Health Statistics (3) PH 109: Epidemiology of Disease (3) (Pre-Requisite: PH 92, MATH 11, PSYCH 42, or DS 73) PH 135: Introduction to Human Disease (3) PH 161: Environment and Human Eath (3) (GE Area IB – Catalog Year 2018 and After) PH 162: Public Health Administration (3) Environmental/Occupational Health and Safety Option Requirements PH 143: Occupational Safety (3) PH 169: Principles of Toxicology (3) PH 169: Principles of Toxicology (3) PH 169: Principles of Toxicology (3) PH 168-A: Occupational Health Concepts (3) (FALL ONLY) PH 168-A: Occupational Health Concepts (3) (FALL ONLY) Environmental/Occupational Health and Safety Additional Requirements BIOL 1A: Introductory Biology (4) (GE Area B2) BIOL 1B/1BL: Introductory Biology (4) (GE Area B2) BIOL 1B/1BL: Introductory Biology (4) (GE Area B2) BIOL 20: Introductory Microbiology (4) OR BIOL 120: Microbiology (4) OR CHEM 120: Alac. General Chemistry (18 + Laboratory (4) CHEM 8: Elementary Organic Chemistry (3) OR CHEM 123A. Organic Chemistry (3) MATH 120: Calculus for Life Sciences (4) OR MATH 172: Calculus 1 (4) (GE Area B1) (Pre-Requisite: Calculus Placement Required) PHIYS 2B. General Physics (4) (GF Area B1) (Pre-Requisite: Calculus Placement Required) PHIYS 2B. General Physics (4) (GF Area B1) (Pre-Requisite: Calculus Placement Required) PHIYS 2B. General Physics (4) (GF Area B1) (Pre-Requisite: Calculus Placement Required) PHIYS 2B. General Physics (4) (GF Area B1) (Pre-Requisite: Calculus Placement Required) PHIYS 2B. General Physics (4) (GF Area B1) (Pre-Requisite: Calculus Placement Required) PHIYS 2B. General Physics (4) (GF Area B1) (Pre-Requisite: Calculus Placement Required) PHIYS 2B. General Physics (4) (GF Area B1) (Pre-Requisite: Calculus Placement Required) PHIYS 2B. General Physics (4) (GF Area B1) (Pre-Requisite: Calculus Placement Required) PHIYS 2B. General Physics (4) (G	Health Science Core Program Requirements	15 Units 🗆
PH 192. Epidemiology of Disease (3) (Pre-Requisite: PH 92, MATH 11, PSYCH 42, or DS 73) PH 135; Introduction to Human Disease (3) Environment and Human Health (3) (GE Area B - Catalog Year 2018 and After) PH 162, Public Health Administration (3) Environmental/Occupational Health and Safety Option Requirements PH 162, Principles of Toxicology (3) PH 169 Principles of Toxicology (3) PH 162A: Environmental Health Concepts (3) (FALL ONLY) Environmental/Occupational Health Concepts (3) (FALL ONLY) Environmental/Occupational Health and Safety Additional Requirements BIOL 1A: Introductory Biology (4) (GE Area B2) BIOL 1B: Introductory Biology (4) (GE Area B2) BIOL 1B: Introductory Biology (4) (GE Area B2) BIOL 20: Introductory Microbiology (4) OR BIOL 120: Microbiology (4) CHEM In 1714. General Chemistry IA + Laboratory (5) CHEM In 1714. General Chemistry IA + Laboratory (5) CHEM In 1714. General Chemistry IA + Laboratory (4) CHEM In 1714. Eccurated Chemistry IA + Laboratory (4) CHEM In 1714. Eccurated Chemistry IA + Laboratory (4) CHEM In 1714. Eccurated Chemistry IA + Laboratory (4) CHEM In 1714. Eccurated Chemistry IA + Laboratory (5) AR CHEM 128A: Organic Chemistry (3) MATH 20: Calculus for Life Sciences (4) OR MATH 75: Calculus I (4) (GE Area B4) (Pre-Requisite: Calculus Placement Required) PHYS 2B: General Physics (4) (GE Area B4) (Pre-Requisite: MATH 6 or DS 71 or MATH 75 or MATH 70) PHYS 2B: General Physics (4) (GE Area B4) (Pre-Requisite: Calculus Placement Required) PHYS 2B: General Physics (4) (Fer-Requisite: Completion of 21 units in Core and Environmental Option Courses) Fenvironmental/Occupational Health and Safety Option Elective Requirements PH 105: Risk Assessment and Analysis (3) (FALL ONLY) PH 113: Introduction to Human Disease (3) PH 1141. Applied Ersponmics (3) (FALL ONLY) PH 113: Health Law and Legislation (3) (FALL ONLY) PH 113: Decupational Health Law a		
PH 13E, Introduction to Human Disease (3) PIL161; Environment and Human Health (3) (GE Area IB – Catalog Year 2018 and After) PIL162; Public Health Administration (3) Finvironmental/Occupational Health and Safety Option Requirements PH 14E, Occupational Safety (3) PH 16EA; Cocupational Safety (3) PH 16EA; Environmental Health Concepts (3) (FALL ONLY) PH 16EA; Cocupational Health Concepts (3) (FALL ONLY) Environmental/Occupational Health Concepts (3) (FALL ONLY) Environmental/Occupational Health and Safety Additional Requirements BIOL 1A: Introductory Biology (4) (GE Area B2) BIOL 1B: Introductory Biology (4) (GE Area B2) BIOL 1B: Introductory Microbiology (4) OR BIOL 32; Introductory Human Anadomy and Physiology (5) BIOL 20: Introductory Microbiology (4) OR BIOL 120: Microbiology (4) OR BIOL 120: Microbiology (4) CHEM 1A/1A1; General Chemistry 1B + Laboratory (5) CHEM 1B/1B; General Chemistry 1B + Laboratory (4) CHEM 26A; Organic Chemistry (3) OR CHEM 128A; Organic Chemistry (3) MATH 70; Calculus for Life Sciences (4) OR MATH 75; Calcu		
PH 161: Environment and Human Health (3) (GE Area IB - Catalog Year 2018 and After)		
Pill 163: Public Health Administration (3)		
Environmental/Occupational Health and Safety Option Requirements PH 143, Occupational Safety (3)		
PH 143. Occupational Safety (3) PH 160. Principles of Toxicology (3) PH 162A: Environmental Health Concepts (3) (FALL ONLY) PH 168A. Occupational Health Concepts (3) (FALL ONLY) Environmental/Occupational Health and Safety Additional Requirements	PH 163: Public Health Administration (3)	-
PH 160: Principles of Toxicology (3) PH 162A; Environmental Health Concepts (3) (FALL ONLY)	Environmental/Occupational Health and Safety Option Requirements	12 Units 🗆
PH 160: Principles of Toxicology (3) PH 162A; Environmental Health Concepts (3) (FALL ONLY)	PH 143: Occupational Safety (3)	
PH 162A; Environmental Health Concepts (3) (FALL ONLY) PH 168A; Occupational Health Concepts (3) (FALL ONLY) Ph 168A; Occupational Health Concepts (3) (FALL ONLY) Ph 168A; Occupational Health and Safety Additional Requirements 38-42 Units □ BIOL 1A; Introductory Biology (4) (GE Area B2) BIOL 1B; Illi Introductory Biology + Laboratory (4) OR BIOL 32; Introductory Human Anatomy and Physiology (5) BIOL 20; Introductory Hiorobiology (4) OR BIOL 120; Microbiology (4) CHEM 1A: IAL; General Chemistry 1A + Laboratory (5) CHEM 1B; General Chemistry 1B + Laboratory (4) CHEM 1B; General Chemistry 1B + Laboratory (4) CHEM 1B; General Chemistry 1B + Laboratory (4) CHEM 1B; General Chemistry (3) OR CHEM 128A; Organic Chemistry (3) OR CHEM 128A; Organic Chemistry (3) OR MATH 75; Calculus 1 (4) (GE Area B4) (Pre-Requisite: Calculus Placement Required) PHYS 2B; General Physics (4) (Fee Area BB) (Pre-Requisite: NaTH 6 or DS 71 or MATH 75 or MATH 70) PHYS 2B; General Physics (4) (Fee Area BB) (Pre-Requisite: NaTH 6 or DS 71 or MATH 75 or MATH 70) PHYS 2B; General Physics (4) (Fee Area BB) (Pre-Requisite: Calculus Placement Required) PHYS 2B; General Physics (4) (Fee Area BB) (Pre-Requisite: Calculus Placement Required) PHYS 2B; General Physics (4) (Fee Area BB) (Pre-Requisite: Calculus Placement Required) PHYS 2B; General Physics (4) (Fee Area B1) (Pre-Requisite: Calculus Placement Required) PHYS 2B; General Physics (4) (Fee Area B1) (Pre-Requisite: Play 52 A) PH 175! Environmental Internship (4) (Pre-Requisite: Play 52 A) PH 175! Environmental Internship (4) (Pre-Requisite: Play 52 A) PH 175! Environmental Internship (4) (Pre-Requisite: Play 52 A) PH 105! Risk Assessment and Analysis (3) (FALL ONLY) PH 105! Risk Assessment and Analysis (3) (FALL ONLY) PH 105! Ph		
PH 168A; Occupational Health Concepts (3) (FALL ONLY)		
Environmental/Occupational Health and Safety Additional Requirements BIOL 1A: Introductory Biology (4) (GE Area B2) BIOL 1B/1BL: Introductory Biology + Laboratory (4) OR BIOL 32: Introductory Human Anatomy and Physiology (5) BIOL 20: Introductory Human Anatomy and Physiology (5) BIOL 20: Introductory Microbiology (4) OR BIOL 120: Microbiology (4) CHEM 1A/1AL: General Chemistry 1A + Laboratory (5) CHEM 1B/1BL: General Chemistry 1B + Laboratory (4) CHEM 8: Elementary Organic Chemistry (3) OR CHEM 128A: Organic Chemistry (3) MATH 70: Calculus 1 (4) (GE Area B4) (Pre-Requisite: Calculus Placement Required) PHYS 2A: General Physics (4) (GE Area B4) (Pre-Requisite: MATH 6 or DS 71 or MATH 75 or MATH 70) PHYS 2B: General Physics (4) (Pre-Requisite: PHYS 2A) PH 175I: Environmental Internship (4) (Pre-Requisite: Completion of 21 units in Core and Environmental Option Courses) Environmental/Occupational Health and Safety Option Elective Requirements Select a minimum of three courses (9 units) PH 105: Risk Assessment and Analysis (3) (FALL ONLY) PH 135: Introduction to Human Disease (3) PH 141: Applied Ergonomics (3) (FALL ONLY) PH 135: Occupational Safety (3) PH 145: Occupational Bealth Application (3) PH 145: Occupational Health Laboratory Techniques (3) PH 166: Topics in Environmental Health (3) PH 167: Public Health Laboratory Techniques (3) PH 168: Occupational Health Evaluation (3) (SPRING ONLY)		
BIOL 1A; Introductory Biology (4) (GE Area B2) BIOL 1B/1BL; Introductory Biology + Laboratory (4) OR BIOL 33; Introductory Human Anatomy and Physiology (5) BIOL 20; Introductory Microbiology (4) OR BIOL 120; Microbiology (4) CHEM 1A/1AL; General Chemistry 1A + Laboratory (5) CHEM 1B/1BL; General Chemistry 1B + Laboratory (4) CHEM 1B/1BL; General Chemistry 1B + Laboratory (4) CHEM 8: Elementary Organic Chemistry (3) OR CHEM 128A; Organic Chemistry (3) MATH 70; Calculus for Life Sciences (4) OR MATH 75; Calculus 1 (4) (GE Area B4) (Pre-Requisite: Calculus Placement Required) PHYS 2A; General Physics (4) (GE Area B4) (Pre-Requisite: MATH 6 or DS 71 or MATH 70) PHYS 2B; General Physics (4) (Pre-Requisite: PHYS 2A) PH 175! Environmental Internship (4) (Pre-Requisite: Completion of 21 units in Core and Environmental Option Courses) Environmental/Occupational Health and Safety Option Elective Requirements 9 Units □ Select a minimum of three courses (9 units) PH 105: Risk Assessment and Analysis (3) (FALL ONLY) PH 135: Introduction to Human Disease (3) PH 141: Applied Ergonomics (3) (FALL ONLY) PH 135: Occupational and Environmental Systems Management (3) PH 145: Occupational Health Application (3) PH 161: Pablic Health Laboratory Techniques (3) PH 162: Environmental Health (3) PH 163: Public Health Laboratory Techniques (3) PH 165: Public Health Laboratory Techniques (3) PH 166: Topics in Environmental Health (3) PH 167: Public Health Laboratory Techniques (3)	<u>=====================================</u>	
BIOL 1B/1BL: Introductory Biology + Laboratory (4) OR BIOL 23: Introductory Human Anatomy and Physiology (5) BIOL 20: Introductory Microbiology (4) CHEM 1A/1AL: General Chemistry 1A + Laboratory (5) CHEM 1B/1BL: General Chemistry 1B + Laboratory (4) CHEM 1B/1BL: General Chemistry 1B + Laboratory (4) CHEM 1B/1BL: General Chemistry (3) OR CHEM 128A: Organic Chemistry (3) OR CHEM 128A: Organic Chemistry (3) MATH 70: Calculus for Life Sciences (4) OR MATH 75: Calculus 1 (4) (GE Area B4) (Pre-Requisite: Calculus Placement Required) PHYS 2A: General Physics (4) (GE Area B1) (Pre-Requisite: MATH 6 or DS 71 or MATH 75 or MATH 70) PHYS 2B: General Physics (4) (Pre-Requisite: PHYS 2A) PH 175I: Environmental Internship (4) (Pre-Requisite: Completion of 21 units in Core and Environmental Option Courses) Environmental/Occupational Health and Safety Option Elective Requirements 9 Units □ Select a minimum of three courses (9 units) PH 105: Risk Assessment and Analysis (3) (FALL ONLY) PH 135: Introduction to Human Disease (3) PH 141: Applied Ergonomics (3) (FALL ONLY) PH 143: Occupational and Environmental Systems Management (3) PH 145: Decupational and Environmental Health Application (3) PH 161: Public Health Law and Legislation (3) (FALL ONLY) PH 162B: Environmental Health Application (3) PH 165T: Topics in Environmental Health (3) PH 165T: Public Health Lawand Legislation (3) (SPRING ONLY)	Environmental/Occupational Health and Safety Additional Requirements	38-42 Units □
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CHEM 1A/1AL: General Chemistry 1A + Laboratory (5) CHEM 1B/1BL: General Chemistry (3) OR CHEM 2: Elementary Organic Chemistry (3) OR CHEM 128A: Organic Chemistry (3) MATH 70: Calculus for Life Sciences (4) OR MATH 75: Calculus 1 (4) (GE Area B4) (Pre-Requisite: Calculus Placement Required) PHYS 2A: General Physics (4) (GE Area B1) (Pre-Requisite: MATH 6 or DS 71 or MATH 75 or MATH 70) PHYS 2B: General Physics (4) (Pre-Requisite: PHYS 2A) PH 175!: Environmental Internship (4) (Pre-Requisite: Completion of 21 units in Core and Environmental Option Courses) Environmental/Occupational Health and Safety Option Elective Requirements 9 Units Select a minimum of three courses (9 units) PH 105: Risk Assessment and Analysis (3) (FALL ONLY) PH 135: Introduction to Human Disease (3) PH 141: Applied Ergonomics (3) (FALL ONLY) PH 143: Occupational Safety (3) PH 145: Occupational and Environmental Systems Management (3) PH 151: Health Law and Legislation (3) (FALL ONLY) PH 162B: Environmental Health (3) PH 166T: Topics in Environmental Health (3) PH 168B: Occupational Health Evaluation (3) (SPRING ONLY)		-
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CHEM 8: Elementary Organic Chemistry (3) OR CHEM 128A: Organic Chemistry (3) MATH 70: Calculus for Life Sciences (4) OR MATH 75: Calculus 1 (4) (GE Area B4) (Pre-Requisite: Calculus Placement Required) PHYS 2A: General Physics (4) (GE Area B1) (Pre-Requisite: MATH 6 or DS 71 or MATH 75 or MATH 70) HYS 2B: General Physics (4) (Pre-Requisite: PHYS 2A) PH 175I: Environmental Internship (4) (Pre-Requisite: Completion of 21 units in Core and Environmental Option Courses) Environmental/Occupational Health and Safety Option Elective Requirements Select a minimum of three courses (9 units) PH 105: Risk Assessment and Analysis (3) (FALL ONLY) PH 135: Introduction to Human Disease (3) H1 (4) Applied Ergonomics (3) (FALL ONLY) PH 143: Occupational Safety (3) PH 145: Occupational and Environmental Systems Management (3) PH 151: Health Law and Legislation (3) (FALL ONLY) PH 162B: Environmental Health Application (3) PH 166T: Topics in Environmental Health (3) PH 167: Public Health Laboratory Techniques (3) PH 168B: Occupational Health Evaluation (3) (SPRING ONLY)		
OR CHEM 128A; Organic Chemistry (3) MATH 70; Calculus for Life Sciences (4) OR MATH 75; Calculus 1 (4) (GE Area B4) (Pre-Requisite: Calculus Placement Required) PHYS 2A; General Physics (4) (GE Area B1) (Pre-Requisite: MATH 6 or DS 71 or MATH 75 or MATH 70) PHYS 2B; General Physics (4) (Pre-Requisite: PHYS 2A) PH 175I; Environmental Internship (4) (Pre-Requisite: Completion of 21 units in Core and Environmental Option Courses) Environmental/Occupational Health and Safety Option Elective Requirements 9 Units □ Select a minimum of three courses (9 units) PH 105: Risk Assessment and Analysis (3) (FALL ONLY) PH 135: Introduction to Human Disease (3) PH 141: Applied Ergonomics (3) (FALL ONLY) PH 143: Occupational Safety (3) PH 145: Occupational Safety (3) PH 151: Health Law and Legislation (3) (FALL ONLY) PH 162B; Environmental Health Application (3) PH 166T; Topics in Environmental Health (3) PH 167: Public Health Laboratory Techniques (3) PH 168B; Occupational Health Evaluation (3) (SPRING ONLY)	· · · · · · · · · · · · · · · · · · ·	
MATH 70: Calculus for Life Sciences (4) OR MATH 75: Calculus 1 (4) (GE Area B4) (Pre-Requisite: Calculus Placement Required) PHYS 2A: General Physics (4) (GE Area B1) (Pre-Requisite: MATH 6 or DS 71 or MATH 75 or MATH 70) PHYS 2B: General Physics (4) (Pre-Requisite: PHYS 2A) PH 175I: Environmental Internship (4) (Pre-Requisite: Completion of 21 units in Core and Environmental Option Courses) Environmental/Occupational Health and Safety Option Elective Requirements 9 Units Select a minimum of three courses (9 units) PH 105: Risk Assessment and Analysis (3) (FALL ONLY) PH 135: Introduction to Human Disease (3) PH 141: Applied Ergonomics (3) (FALL ONLY) PH 143: Occupational Safety (3) PH 145: Occupational and Environmental Systems Management (3) PH 162B: Environmental Health Application (3) PH 162B: Environmental Health (3) PH 167: Public Health Laboratory Techniques (3) PH 168B: Occupational Health Evaluation (3) (SPRING ONLY)		
OR MATH 75: Calculus 1 (4) (GE Area B4) (Pre-Requisite: Calculus Placement Required) PHYS 2A: General Physics (4) (GE Area B1) (Pre-Requisite: MATH 6 or DS 71 or MATH 75 or MATH 70) PHYS 2B: General Physics (4) (Pre-Requisite: PHYS 2A) PH 175I: Environmental Internship (4) (Pre-Requisite: Completion of 21 units in Core and Environmental Option Courses) Environmental/Occupational Health and Safety Option Elective Requirements 9 Units Select a minimum of three courses (9 units) PH 105: Risk Assessment and Analysis (3) (FALL ONLY) PH 135: Introduction to Human Disease (3) PH 141: Applied Ergonomics (3) (FALL ONLY) PH 143: Occupational Safety (3) PH 145: Occupational and Environmental Systems Management (3) PH 151: Health Law and Legislation (3) (FALL ONLY) PH 162B: Environmental Health Application (3) PH 166T: Topics in Environmental Health (3) PH 167: Public Health Laboratory Techniques (3) PH 168B: Occupational Health Evaluation (3) (SPRING ONLY)		
PHYS 2A: General Physics (4) (GE Area B1) (Pre-Requisite: MATH 6 or DS 71 or MATH 75 or MATH 70) PHYS 2B: General Physics (4) (Pre-Requisite: PHYS 2A) PH 175I: Environmental Internship (4) (Pre-Requisite: Completion of 21 units in Core and Environmental Option Courses) Environmental/Occupational Health and Safety Option Elective Requirements Select a minimum of three courses (9 units) PH 105: Risk Assessment and Analysis (3) (FALL ONLY) PH 135: Introduction to Human Disease (3) PH 141: Applied Ergonomics (3) (FALL ONLY) PH 143: Occupational Safety (3) PH 145: Occupational and Environmental Systems Management (3) PH 151: Health Law and Legislation (3) (FALL ONLY) PH 162B: Environmental Health Application (3) PH 166T: Topics in Environmental Health (3) PH 167: Public Health Laboratory Techniques (3) PH 168B: Occupational Health Evaluation (3) (SPRING ONLY)		
PHYS 2B: General Physics (4) (Pre-Requisite: PHYS 2A) PH 175I: Environmental Internship (4) (Pre-Requisite: Completion of 21 units in Core and Environmental Option Courses) Environmental/Occupational Health and Safety Option Elective Requirements Select a minimum of three courses (9 units) PH 105: Risk Assessment and Analysis (3) (FALL ONLY) PH 135: Introduction to Human Disease (3) PH 141: Applied Ergonomics (3) (FALL ONLY) PH 143: Occupational Safety (3) PH 145: Occupational and Environmental Systems Management (3) PH 151: Health Law and Legislation (3) (FALL ONLY) PH 162B: Environmental Health Application (3) PH 167: Public Health Laboratory Techniques (3) PH 168B: Occupational Health Evaluation (3) (SPRING ONLY)		
PH 175I: Environmental Internship (4) (Pre-Requisite: Completion of 21 units in Core and Environmental Option Courses) Environmental/Occupational Health and Safety Option Elective Requirements 9 Units PH 105: Risk Assessment and Analysis (3) (FALL ONLY) PH 135: Introduction to Human Disease (3) PH 141: Applied Ergonomics (3) (FALL ONLY) PH 143: Occupational Safety (3) PH 145: Occupational and Environmental Systems Management (3) PH 151: Health Law and Legislation (3) (FALL ONLY) PH 162B: Environmental Health Application (3) PH 167: Public Health Laboratory Techniques (3) PH 168B: Occupational Health Evaluation (3) (SPRING ONLY)		
Environmental/Occupational Health and Safety Option Elective Requirements Select a minimum of three courses (9 units) PH 105: Risk Assessment and Analysis (3) (FALL ONLY) PH 135: Introduction to Human Disease (3) PH 141: Applied Ergonomics (3) (FALL ONLY) PH 143: Occupational Safety (3) PH 145: Occupational and Environmental Systems Management (3) PH 151: Health Law and Legislation (3) (FALL ONLY) PH 162B: Environmental Health Application (3) PH 167: Topics in Environmental Health (3) PH 167: Public Health Laboratory Techniques (3) PH 168B: Occupational Health Evaluation (3) (SPRING ONLY)		
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PH 105: Risk Assessment and Analysis (3) (FALL ONLY) PH 135: Introduction to Human Disease (3) PH 141: Applied Ergonomics (3) (FALL ONLY) PH 143: Occupational Safety (3) PH 145: Occupational and Environmental Systems Management (3) PH 151: Health Law and Legislation (3) (FALL ONLY) PH 162B: Environmental Health Application (3) PH 166T: Topics in Environmental Health (3) PH 167: Public Health Laboratory Techniques (3) PH 168B: Occupational Health Evaluation (3) (SPRING ONLY)	Environmental/Occupational Health and Safety Option Elective Requirements	9 Units □
PH 135: Introduction to Human Disease (3) PH 141: Applied Ergonomics (3) (FALL ONLY) PH 143: Occupational Safety (3) PH 145: Occupational and Environmental Systems Management (3) PH 151: Health Law and Legislation (3) (FALL ONLY) PH 162B: Environmental Health Application (3) PH 166T: Topics in Environmental Health (3) PH 167: Public Health Laboratory Techniques (3) PH 168B: Occupational Health Evaluation (3) (SPRING ONLY)	Select a minimum of three courses (9 units)	
PH 135: Introduction to Human Disease (3) PH 141: Applied Ergonomics (3) (FALL ONLY) PH 143: Occupational Safety (3) PH 145: Occupational and Environmental Systems Management (3) PH 151: Health Law and Legislation (3) (FALL ONLY) PH 162B: Environmental Health Application (3) PH 166T: Topics in Environmental Health (3) PH 167: Public Health Laboratory Techniques (3) PH 168B: Occupational Health Evaluation (3) (SPRING ONLY)	PH 105: Risk Assessment and Analysis (3) (FALL ONLY)	
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PH 166T: Topics in Environmental Health (3) PH 167: Public Health Laboratory Techniques (3) PH 168B: Occupational Health Evaluation (3) (SPRING ONLY)		
PH 167: Public Health Laboratory Techniques (3) PH 168B: Occupational Health Evaluation (3) (SPRING ONLY)		
PH 168B: Occupational Health Evaluation (3) (SPRING ONLY)		
	PH 170: Air Pollution and Health (3)	

Total Units Required in	Major
Total Units Required in	General Education
Electives needed	

1999-2017 GENERAL EDUCATION (G.E.) REQUIREMENTS

NOTES: A minimum of 51 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.

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◆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.	Course/Units/Grade
Area A - Fundamental Skills and Knowledge	
A1 Oral Communication: Communication 3, 7, 8	A1
A2 Written Communication: (Prerequisite for English 5B is passing 5A) English 5B, 10	A2
A3 Critical Thinking: Africana Studies 20; Anthropology 30; Chicano & Latin American Studies 30; College of Science & Math 10;	A3
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: (Prerequisite: ELM of 50 or higher or pass remediation) Criminology 50, Decision Sciences 71; Mathematics 11, 45, 70, 75, 75A	B4
◆BREADTH A maximum of two courses from one department or program may be applied to satisfy BREADTH requirements.	
Area B - Physical Universe and Its Life Forms	
Two courses: One in B1 and one in B2see above for B4	
B1 Physical Sciences: (Prerequisite: Completion of B4) Chemistry 1A & 1AL, 3A, 10;	B1
Earth & Environmental Sciences 1, 1V, 4; Physical Science 21; Physics 2A, 4A & 4AL, 10	B2
B2 Life Sciences: Biology 1A, 10, 11, 12	B3
B3 Laboratory Component: B1 or B2 must have a lab (All B1 and B2 courses taken at Fresno State have a mandatory lab component.)	рэ
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Area C - Arts and Humanities	
Three courses: One in C1, one in C2, and a third from C1 or C2	C1
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	Ci
C2 Humanities: Arabic 1A, 1B; Armenian 1A, 1B, 2A; Chinese 1A, 1B; Communicative Disorders & Deaf Studies 90, 92;	C2
English 20, 30; French 1B, 2A, 2B; German 1B, 2A, 2B; Greek 1A, 1B; Hebrew 1A; 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;	C1 or
Portuguese 1A, 1B; Spanish 1B, 2A, 2B, 3, 4A, 4B	C2
Area D - Social, Political & Economic Institutions & Behavior, Historical Background	
One course in each sub-area (Prerequisite: Completion of A2 for those with EPT score below 147)	
D1 American History: History 11, 12	D1
D2 American Government: Political Science 2	D2
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;	D3
Communicative Disorders & Deaf Studies 98; Criminology 10; Economics 25, 40, 50; Geography 2, 4; 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	
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Area E - Lifelong Understanding and Self-Development Three units	E
E Lifelong Understanding & Self-Development: Animal Science 67; Art 13; Child & Family Studies 38, 39;	
College of Science & Math 155; Dance 16, 70; Drama 32; Finance 30; Gerontology 105, 18, 111 ; Kinesiology 32 & concurrent enrollment in KAC 6, 21, 24, 31, 33, 39, or 103 ; 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	
UPPER DIVISION G.E. CONSISTS OF 12 UNITS	
IB, IC, ID, and MI courses can be taken no sooner than the term in which 60 units of coursework are completed.	
They may not be selected from the primary major department.	
◆INTEGRATION Three upper division coursesone in each area	
IB Physical Universe and Its Life Forms: (Prerequisite: Completion of FOUNDATION and Area B)	IB
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,	IC
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:	
ID Social, Political and Economic Institutions and Behavior, Historical Background: (Prerequisite: Completion of FOUNDATION and Area D) Africana Studies 144; Agricultural Business 155; American	ID
Indian Studies 103; Anthropology 116W, 145; Chicano & Latin American Studies 114; Criminology 101, 120, 153;	
Economics 146 , 167 , 176 , 183 ; Geography 173 ; Gerontology 100 ; History 101 , 154 ; Jewish Studies 154 ; Kinesiology 111 ; MCJ 178 ; Peace and Conflict Studies 100 ; Social Science 110 ; Sociology 131 , 143 , 163 ; Women's Studies 101 , 149	
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MULTICULTURAL/INTERNATIONAL One upper division course)
MI (Prerequisite: Completion of FOUNDATION and Area D) Africana Studies 150, 164; Anthropology 105W, 120, 123, 125; Asian American 110; Business Administration 104; Chicano &	MI
Latin American Studies 160, 170; Communication 164; Communicative Disorders & Deaf Studies 139; Economics 181;	
Geography 167; Gerontology 161; History 186; Humanities 105, 140; Interdisciplinary Capstone 177, 1885; Linguistics 147; Marketing 1005; MCJ 175, 176, 179; Philosophy 131, 132; Political Science 120; Public Health 104, 128;	TOTAL UNITS
Recreation Administration 130; Social Science 180; Social Work 136; Sociology 111, 142; Women's Studies 110, 120, 135	12/12/17