

ENVIRONMENTAL, HEALTH & SAFETY CONCENTRATION

J. Erik Robey, BS, PE/PS, Chair
 Phone: (419) 995-8071
 Email: robey.e@RhodesState.edu
 Office: 132 JJC

The Environmental Health & Safety Concentration is for the student who intends to transfer to a four-year college or university for further study. To complete the concentration, a student must complete the Associate of Science distribution requirements and the additional courses listed in the concentration.

Environmental, Health & Safety Concentration

Associate of Science Degree

Structured Course Sequence (4 Semester Plan)

First Year

First Semester

		Hours
BIO 1090	Concepts in Biology	4
COM 1110	English Composition	3
CPT 1250	Computer Applications in the Workplace	3
MTH 1370	College Algebra	4
SOC 1010	Sociology	3
SDE 1010	First Year Experience	1

Term Hours 18

Second Semester

BIO 1400	Microbiology	4
COM 1140	Technical Writing	3
ENV 1210	Environmental Laws and Regulations	3
HST 2300	Technology and Civilization	3
MTH 1430	Trigonometry	3

Term Hours 16

Summer

CHM 1110	Introductory General Chemistry	4
ENV 1000	Introduction to EHS Technology	3
ENV 2500	OSHA 40-hr Training	2

Term Hours 9

Second Year

First Semester

COM 2110	Public Speaking	3
COM 2400	Composition and Literature	3
CHM 1120	Introductory Organic and Biochemistry	4
ENV 2400	Properties of HAZMAT	3
HST 1610	American History to 1877	3

Term Hours 16

Second Semester

COM 1200	Writing in the Sciences	3
ECN 1410	Macro Economics	3

ENV 2970	AS EHS Capstone Project	1
PSY 1010	General Psychology	3
SOC 1320	American Cultural Diversity	3

Term Hours 13

Total Hours 72

Portfolio course

Capstone course

Course Electives

Social and Behavioral Sciences (12 Credits)

Code	Title	Hours
ANT 2411	Cultural Anthropology (TAG)	3
ECN 1410	Macro Economics (TAG)	3
ECN 1430	Micro Economics (TAG)	3
POL 1010	Introduction to Political Science	3
PSY 1010	General Psychology (OTM/TAG)	3
PSY 1730	Abnormal Psychology (OTM/TAG)	3
PSY 2150	Lifespan Psychology (OTM/TAG)	3
PSY 2200	Social Psychology (OTM/TAG)	3
PSY 2301	Educational Psychology (OTM/TAG)	3
SOC 1010	Sociology (OTM/TAG)	3
SOC 1200	Death and Dying (OTM)	3
SOC 1210	Family Sociology (OTM/TAG)	3
SOC 1320	American Cultural Diversity (OTM/TAG)	3
SOC 2211	World Religions: History, Belief, and Practice (OTM)	3
SOC 2300	Social Problems (OTM/TAG)	3

Arts and Humanities (9 Credits)

Code	Title	Hours
COM 1801	Creative Writing: Fiction	3
COM 2110	Public Speaking (OTM/TAG)	3
HST 1011	Western Civilization I (OTM/TAG)	3
HST 1012	Western Civilization II (OTM/TAG)	3
HST 1610	American History to 1877 (OTM/TAG)	3
HST 1620	American History Since 1877 (OTM/TAG)	3
HST 2300	Technology and Civilization	3
HST 2510	History of Latin America	3
LIT 2210	Introduction to Literature (OTM)	3
LIT 2215	Native American Literature (OTM)	3
LIT 2227	Literature of Graphic Novels (OTM)	3
LIT 2250	The American Short Story (OTM)	3
LIT 2260	Fantasy Literature (OTM/TAG)	3
LIT 2301	British Literature I (OTM)	3
LIT 2305	Introduction to Shakespeare (OTM)	3
LIT 2310	Literature and the Holocaust (OTM)	3
LIT 2450	Themes in Literature and Film (OTM)	3
PHL 1011	Introduction to Philosophy	3
THR 1010	Introduction to Theatre (OTM)	3

Mathematics (6-10 Credits)

Code	Title	Hours
MTH 1190	Finite Mathematics/Business (OTM)	3
MTH 1260	Statistics (OTM)	3
MTH 1370	College Algebra (OTM)	4
MTH 1430	Trigonometry (OTM)	3
MTH 1611	Business Calculus (OTM)	5
MTH 1711	Calculus I (OTM)	5
MTH 1721	Calculus II (OTM)	5
MTH 2660	Calculus III (OTM/TAG)	4
MTH 2670	Differential Equations (OTM/TAG)	4
MTH 2680	Elementary Linear Algebra (OTM/TAG)	4


Information Literacy (3 Credits)

Code	Title	Hours
CPT 1250	Computer Applications in the Workplace	3



Sciences (8 Credits)

Code	Title	Hours
CHM 1110	Introductory General Chemistry (OTM)	4
CHM 1120	Introductory Organic and Biochemistry (OTM)	4
PHY 1120	Physics I (OTM/TAG)	4
PHY 1130	Physics II (OTM/TAG)	4
BIO 1090	Concepts in Biology (OTM)	4
BIO 1400	Microbiology (OTM)	4
BIO 1110	Anatomy and Physiology I (OTM)	4
BIO 1120	Anatomy and Physiology II (OTM)	4
BIO 2121	Introduction to Human Genetics (OTM)	4
GLG 1000	Physical Geology (OTM/TAG)	4

English Composition and Literature (6 Credits)

Code	Title	Hours
COM 1110 	English Composition (OTM)	3
COM 1140	Technical Writing (OTM)	3
COM 1160	Business Communications (OTM/TAG)	3
COM 1200	Writing in the Sciences (OTM)	3
COM 2213	Verbal Judo (OTM)	3
COM 2400	Composition and Literature (OTM)	3

Other Approved Course Electives

Code	Title	Hours
Accounting		
ACC 1010	Corporate Accounting Principles (TAG)	4
ACC 1020 	Managerial Accounting Principles (TAG)	4
Medical Terminology		
BHS 1390	Medical Terminology (TAG)	2
Business		
BUS 2100	Business Law (TAG)	3
Electronic Engineering Technology		
EET 1110	Circuit Analysis I (TAG)	3
EET 1130	Electronics (TAG)	4
Human Service		
HUM 1111 	Introduction to Social Work (TAG)	3

Mechanical Engineering Design

MET 1000	Engineering Graphics with AutoCAD (TAG)	4
----------	---	---

Mechanical Engineering Technology

MET 1020	Material Science (TAG)	3
MET 2210	Strength of Materials (TAG)	3




Marketing

MKT 1010 	Principles of Marketing (TAG)	3
--	-------------------------------	---

Spanish

SPN 1010	Beginning Spanish Language I (TAG)	3
SPN 1020	Beginning Spanish Language II (TAG)	3
SPN 2010	Intermediate Spanish I (TAG)	3
SPN 2020	Intermediate Spanish II (TAG)	3

Other Requirements

Code	Title	Hours
BIO 2820 	Associate of Science Capstone 	1
SDE 1010 	First Year Experience	1

 Portfolio Course Capstone Course