

Central Community College and Doane College

Plan of Study for Environmental Science Major of Bachelor of Science Degree

Catalog: 2014-2015



Date Revised: 6/15/15



Central Community College			Doane College		
Course No.	Course Title	Required Credits	Course No.	Course Title	Required Credits
Courses to be completed at Central Community College					
Doane Core Connections Requirements					33
Foundational Areas of Knowledge					21
Community and Identity					3
POLS 1000	American Government	3	PSI 101	American Politics	3
Mathematical Reasoning					3
MATH 1150	College Algebra	3	MTH 108	Modeling and Applications	3
Rhetorical Communication					3
SPCH 1110	Public Speaking	3	CMS 210	Public Speaking	3
Global and Cultural Context					3
ANTH 1100	Introduction to Anthropology	3	INT 188	Satisfies Global and Cultural Context	3
BSAD 1050	Introduction to Business	3	BUS 101	Understanding the Environment of Business	3
BSAD 2450	International Business	3	INT 388	Satisfies Global and Cultural Context	3
ENGL 2370	Non-Western Literature	3	ENG 289	Satisfies Global and Cultural Context	3
GEOG 1400	Cultural Geography	3	GEG 301	Satisfies Global and Cultural Context	3
HIST 1010	Western Civilization to 1700	3	HIS 106	Satisfies Global and Cultural Context	3
HIST 1710	World Civilization after 1500	3	HIS 106	Satisfies Global and Cultural Context	3
HIST 2150	Introduction to Latin America	3	INT 388	Satisfies Global and Cultural Context	3
PHIL 2610	Comparative Religions	3	PREI 15	Comparative Religions	3
POLS 1600	International Relations	3	PSI 105	Comparative Governments	3
SOCI 2150	Issues of Unity and Diversity	3	SOC 324	Race and Nationality	3
SPAN 1010	Beginning Spanish I	5	SPA 101	Elementary Spanish	3
SPAN 1020	Beginning Spanish 2	5	SPA 102	Elementary Spanish	3
SPAN 2010	Intermediate Spanish I	3	SPA 203	Intermediate Spanish	3
SPAN 2020	Intermediate Spanish 2	3	SPA 204	Intermediate Spanish	3
Scientific Perspectives					4
Courses that are required for the program will satisfy this category					
Human Creativity					3
ARTS 1250	Art Fundamentals	3	ART 101	Art Appreciation	3
ARTS 1270	Drawing I	3	ART 207	Drawing	3
ARTS 1300	Visual Design	3	ART 107	Two-Dimensional Design	3
ARTS 1500	Introduction to Digital Photography	3	ART 234	Introduction to Digital Photography	3
ARTS 2300	Problems in Studio-Design	3	ART 110	Three-Dimensional Design	3
ARTS 2330	Color Theory	3	ART 235	Color Theory and Application	3
ENG 1500	Introduction to Creative Writing	3	FAR 188	Satisfies Human Creativity	3
EIGT 1270	Drawing I	3	ART 207	Drawing	3
EIGT 1300	Visual Design	3	ART 107	Two-Dimensional Design	3
MART 1300	Visual Design I	3	ART 107	Two-Dimensional Design	3
MART 1320	Photography	3	ART 234	Introduction to Digital Photography	3
MUSC 1010	Introduction to Music	3	FAR 103	Satisfies Human Creativity	3
MUSC 2700	History of Jazz	3	MUS 188	Satisfies Human Creativity	3
THEA 1010	Introduction to Theatre	3	THE 101	Introduction to the Theatre	3
THEA 1730	Acting	3	THE 103	Acting I	3
In Search of Meaning and Values					3
ENGL 2100	Introduction to Literature	3	ENG 188	Satisfies Search of Meaning and Values	3
HIST 1000	Western Civilization to 1700	3	HIS 105	Satisfies Search of Meaning and Values	3
HIST 1700	World Civilization to 1500	3	HIS 105	Satisfies Search of Meaning and Values	3
PHIL 2650	Introduction to Ethics	3	PRE 111	Satisfies Search of Meaning and Values	3
Liberal Arts Studies					
Waived for Crete campus transfer students who will be transferring in 30+ credits					
Experiential Studies					
Service-learning, study abroad, short-term travel, internship student teaching, research or a creative production or performance					
Requirements for the Environmental Science Major (INFO 2500 or INFO 2870, INFO 2820 or INFO 2830, PHYS 1010 or PHYS 1570)					
BIOS 1010	General Biology	4	BIO 110	Inquiry Lab: Introduction to Biological Investigation	3
BIOS 1030	Ecology	3	BIO 111	Energy of Life: Cells to Ecosystems	3
BIOS 2420	Principles of Genetics	4	BIO 112	Information of Life: Genetics to Evolution	3

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Course No.	Course Title	Required Credits	Course No.	Course Title	Required Credits
BIOS 2490	Principles of Microbiology	4	BIO 348	Microbiology	4
CHEM 1090	General Chemistry I	4	CHM 125	General Chemistry I	4
CHEM 1100	General Chemistry 2	4	CHM 126	General Chemistry 2	4
CHEM 2510	Organic Chemistry I	5	CHM 205	Organic Chemistry I	4
ECON 2110	Principles of Macroeconomics	3	ECO 203	Macroeconomics	3
INFO 2500	Dynamic Web Applications	3	IST 146	Programming and Problem Solving 2	3
INFO 2870	Mobile Programming	3			
INFO 2820	JAVA Programing	3	IST 105	Introduction to Programming and Problem Solving	3
INFO 2830	C# Programming	3			
PHIL 1150	Critical and Creative Thinking	3	PHI 105	Logic and Critical Thinking	3
PHYS 1010	Earth Science	3	GEO 101	Environmental Geology	4
PHYS 1570	Physical Geology	3			

Notes:

1. To complete the Doane degree in two years, without taking classes outside regular semesters or beyond a normal load is 15-16 credits and at least 60 credits must be transferred with grades of C- or above.
2. Environmental Science majors must select one of the following emphasis area: Political Science and Policy, Biology, Computational Thinking, or Chemistry.
3. MATH 1040 or MATH 2060 may be substituted for MATH 1150.
4. CHEM 2510 is required for the Biology and Chemistry emphasis area.
5. CHEM 2520 is required for the Chemistry emphasis area.
6. PHIL 1150 is required for the Computational Thinking emphasis area.
7. INFO 2500 or INFO 2870 is required for Computational Thinking emphasis area.
8. BIOS 2490 is required for the Biology emphasis area.