

Central Community College and Doane University

Plan of Study for Biochemistry

Catalog: 2017-2018



Date Revised: 6/12/

Central Community College			Doane University		
Course No.	Course Title	Required Credits	Course No.	Course Title	Required Credits
Courses to be completed at Central Community College					
Doane Core Connections Requirements					
Foundational Areas of Knowledge					
Community and Identity					3
ECON 2110	Principles of Macroeconomics	3	ECO 203	Macroeconomics and Literacy	3
HIST 2010	American History I	3	HIS 205	History of the United States I	3
HIST 2020	American History 2	3	HIS 206	History of the United States 2	3
POLS 1000	American Government	3	PSI 101	American Politics	3
PSYC 1810	Introduction to Psychology	3	PSY 117	Introduction to Psychology	3
PSYC 2890	Developmental Psychology	3	PSY 259	Lifespan Development	3
SOCI 1010	Introduction to Sociology	3	SOC 109	Introduction to Sociology	3
Mathematical Reasoning (Need to take MATH 1600)					5
MATH 1600	Analytic Geometry and Calculus I	5	MTH 235	Calculus I	4
Rhetorical Communication					9
ENGL 1010	English Composition	3	ENG 101	Writing Seminar	3
ENGL 1020	Writing and Research	3	ENG 201	Intermediate Writing	3
SPCH 1110	Public Speaking	3	CMS 210	Public Speaking	3
Global and Cultural Context					3
BSAD 1050	Introduction to Business	3	BUS 101	Understanding the Environment of Business	3
BSAD 2450	International Business	3	BUS 357	International Marketing	3
GEOG 1400	Cultural Geography	3	GEG 301	Social-Cultural Geography	3
HIST 1010	Western Civilization to 1700	3	HIS 106	History of Civilization 2	3
HIST 1710	World Civilization after 1500	3	HIS 106	History of Civilization 2	3
PHIL 2610	Comparative Religions	3	PRE 115	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 (Need to take PHYS 1410 or PHYS 2110)					5
PHYS 1410	General Physics I	5	PHY 107	Introduction Physics I	4
PHYS 2110	General Physics I with Calculus	5	PHY 201	General Physics I	4
Human Creativity					3
ARTS 1010	Introduction to Visual Arts	3	ART 101	Art Appreciation	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
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	Introduction to Fine Arts: Music	3
MUSC 2730	History of Rock Music	3	MUS 125	History of Rock and Roll	3
THEA 1010	Introduction to Theatre	3	THE 101	Introduction to the Theatre	3
THEA 1030	Intro to Film	3	ENG 210	Film Studies	3
THEA 1730	Acting	3	THE 103	Acting I	3
In Search of Meaning and Values					3
HIST 1000	Western Civilization to 1700	3	HIS 105	History of Civilization I	3
HIST 1700	World Civilization to 1500	3	HIS 105	History of Civilization I	3
PHIL 1010	Introduction to Philosophy	3	PRE 110	Philosophical Problems	3
PHIL 2650	Introduction to Ethics	3	PRE 111	Ethics	3
Liberal Arts Studies					9
3 credits will be waived for Crete campus transfer students who will be transferring in 30+ credits. The other 6 will need to be taken at Doane.					
Experiential Studies					3

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Service-learning, study abroad, short-term travel, internship student teaching, research or a creative production or performance					
Requirements for the Biochemistry Major					18
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
CHEM 2520	Organic Chemistry 2	5	CHM 206	Organic Chemistry 2	4
Notes:					
1. If a student has completed an associate degree, a maximum of 60 semester credits are accepted in transfer.					
2. If a student hasn't completed an associate degree, diploma or professional certificate at a two-year college a maximum of 90 semester credits are accepted in transfer.					