

KEAN UNIVERSITY – COLLEGE OF NATURAL, APPLIED & HEALTH SCIENCES
B.S. IN SUSTAINABILITY SCIENCE
124 S.H.
3.25 G.P.A. Graduation Requirement ¹

EFFECTIVE DATE: Fall 2013

START TERM: _____

NAME:		TRANSFER INSTITUTIONS (X)	Credits:
STUDENT ID#:		In Progress	
GENERAL EDUCATION: 35 Semester Hours (S.H.)		ACADEMIC MAJOR REQUIREMENTS: 37 S.H.***	
Foundation Requirements 13 S.H.		SUST 1000 Introduction to Sustainability	3
G.E. 1000 Transition to Kean*	1	SUST 1004 First Year Seminar on Sustainability	1
ENG 1030 Composition*	3	SUST 2000 Mathematical Principles for Sustainability	3
MATH 1054 Precalculus**	3	SUST 2004 Second Year Seminar on Sustainability	1
COMM 1402 Speech Communication*	3	SUST 2006 Mathematica Applications for Sustainability	3
GE 2024 Research & Technology*	3	SUST 2009 Applied Physics for Sustainability	4
		SUST 2200 Introduction to Laws and Sustainability	3
Disciplinary & Interdisciplinary Distribution Req:		SUST 2203 Intercultural Communication for Sustainability	3
Humanities: 6 S.H. (from different areas)		SUST 3000 Climate Science and Sustainability	4
ENG 2403 World Literature*	3	SUST 3001 Applied Statistics for Sustainability	4
Select one course with advisement from areas below:		SUST 3003 Third Year Seminar on Sustainability	1
Fine Arts/Art History	3	SUST 4000 Technologies for Sustainability	3
Foreign Languages (Must take I and II for credit)	3	SUST 4001 Essential Readings in Sustainability	3
Interdisciplinary	3	SUST 4003 Fourth Year Seminar on Sustainability	1
Music or Theatre	3		
Philosophy or Religion	3	PROGRAM FOCUS-RELATED ELECTIVES 19 S.H.	
		To be selected with advisement from approved program list maintained in the Center for Sustainability Studies.	
Social Sciences: 6 S.H. (from different areas)		Maximum of 3 S.H. of SUST courses count toward degree.	
HIST 1000 Civil Society in America* or HIST 1062 Worlds of History: Traditions and Encounters*	3		
Select one course with advisement from areas below:			
Economics or Geography	3		
Interdisciplinary	3		
Political Science	3		
Psychology	3		
Sociology or Anthropology	3		
Science and Mathematics: 7 S.H.			
MATH 1016 Statistics**	3		
CHEM 1083 Chemistry I****	4		
G.E. and Major Capstone: 3 S.H.**. ***			
SUST 4300 Independent Practicum in Sustainability Science	3		
ADDITIONAL REQUIREMENTS: 30 S.H.			
BIOS 1200 Introduction to Biology	4		
BIOS 2201 Diversity & Interactions	4		
CHEM 1084 Chemistry II	4		
DSN 2200 Design for Sustainability II	3		
GEOS 1100 Introduction to Earth and Geographical Systems	4	FREE ELECTIVES: 3 S.H.	
GEOS 2101 Geo-hydro Systems	4		
MATH 2415 Calculus I	4	Other Transfer:	
SOC 3420 Environment and Society	3	Special Notes: ¹ 2.50 for students admitted prior to autumn 2013	
		*G.E. required course	
		**Course required by Major	
		***All Major courses require a grade of B or better	
		****Must earn a grade of C or better to advance to CHEM 1084	
		TOTAL CREDITS:	
		Advisor:	
		Advisor Signature:	

<i>Geosphere</i>		<i>Social</i>	
BIO 3305: Principles of Microbiology ⁸	4	ANTH 1800: Cultural Anthropology	3
CHEM 2180: Principles of Organic Chemistry ¹	4	ANTH 2820: Urban Anthropology	3
CHEM 2491: Inorganic Chemistry	3	ANTH 3830: Anthropology of North American Indian Cultures	3
CHEM 2581: Organic Chemistry I ²	3	HIST 3852: History of Science	3
CHEM 2582: Organic Chemistry II ²	3	HIST 3853: Charles Darwin: A Life and Times	3
CHEM 2583: Organic Chemistry Laboratory and Recitation I ²	2	PHIL 2300: Introduction to Ethics	3
CHEM 2584: Organic Chemistry Laboratory and Recitation II ²	2	PHIL 2505: Critical Thinking	3
ES 3310: The Geosphere in the Earth System	4	PHIL 3800: Environmental Philosophy	3
GEOL 1200: Introduction to Geology	4	PS 1010: Introduction to Politics: Elements of Politics	3
GEOL 1201: Geologic Hazards	3	PSY 1000: General Psychology	3
GEOL 1202: Geologic Hazards Laboratory	1	PSY 3420: Environmental Psychology	3
GEOL 1205: Mineral and Fossil Fuel Resources	3	SOC 1000: Introduction to Sociology	3
GEOL 1210: Geology of the National Parks	3	SOC 2000: Introduction to Social Justice	3
GEOL 2262: Geology and the Environment	3	SOC 2500: Introduction to Global Studies	3
GEOL 2263: Geology and the Environment Lab	1	SOC 3150: Urban Sociology	3
GEOL 3261: Mineralogy	4	SOC 3410: Social Movements	3
GEOL 3263: Structural Geology	4	SOC 4401: Social Change	3
GEOL 3265: Geomorphology	4	SUST 2202: Religion and Sustainability	3
GEOL 3281: Field Geology	2	SUST 3201: Policies and Sustainability	3
PHYS 2095: Physics I ⁵	4		
SUST 2008: Introduction to Composting ⁶	4		
SUST 2100: Systems Modeling for Sustainability ⁷	3		
<i>Biosphere</i>			
BIO 2400: Genes, Organisms, Populations	4		
BIO 2500: Principles of Botany	4		
BIO 3305: Principles of Microbiology ⁸	4		
BIO 3400: Zoology: Form and Function	4		
BIO 3434: Animal Behavior	4		
BIO 3513: Morphology and Evolution of the Plant Kingdom	4		
BIO 3535: Field Botany	3		
BIO 3614: Principles of Ecology	4		
BIO 4575: Plant Physiology	4		
BIO 4615: Applied Ecology ²	4		
BIOS 3051: Field Biology: Terrestrial Systems	4		
BIOS 3201: Biodiversity ⁹	3		
BIOS 3230: Urban Ecology ¹⁰	4		
BIOS 3250: Medicinal Botany	3		
BIOS 3720: Entomology	4		
BIOS 4210: Conservation Biology ¹¹	4		
BIOS 4435: Behavioral Ecology	3		
BIOS 4575: Plant Physiology	4		
BIOS 4600: Plant-Animal Interactions	4		
BIOS 4615: Applied Ecology ²	4		
CHEM 2581: Organic Chemistry I ²	3		
CHEM 2582: Organic Chemistry II ²	3	¹ Students may not receive credit for CHEM 2180 and CHEM [2581, 2582, 2583, and 2584]	
CHEM 2583: Organic Chemistry Laboratory and Recitation I ²	2		
CHEM 2584: Organic Chemistry Laboratory and Recitation II ²	2	² Credit for these courses awarded once only	
GEOG 2020: Conservation of Natural Resources	3	³ Credit for this course awarded once only.	
GEOS 4103: Environmental Hazards	4	⁴ Credit for this course awarded once only.	
PHYS 1050: Energy, Physics & the Environment ⁴	3	⁵ Credit for this course awarded once only.	
SELS 3101: Atmospheric Systems	4	⁶ Credit for this course awarded once only.	
SUST 2008: Introduction to Composting ⁶	4	⁷ Credit for this course awarded once only.	
SUST 3100: Urban Ecology and Sustainability ¹⁰	3	⁸ Credit for this course awarded once only.	
SUST 3102: Biodiversity and Sustainability ⁹	3	⁹ Courses are equivalent; credit awarded once only.	
SUST 4100: Conservation Biology and Sustainability ¹¹	3	¹⁰ Courses are equivalent; credit awarded once only.	
SUST 4101: Natural Resource Management and Sustainability	3	¹¹ Courses are equivalent; credit awarded once only.	
		¹² Credit awarded once only for GE courses.	