

Kean University

Curriculum Map

Course to Program/Discipline Level Student Learning Outcomes

B.S. Sustainability Science (Center for Sustainability Studies)

The sustainability science curriculum prepares students to achieve the expected student learning outcomes identified by the program or discipline. The following table demonstrates how learning activities in specific courses map to these learning outcomes.

Key: I-Introduced

R-Reinforced

M-Mastery

A-Assessment evidence collected

Required Courses	SLO1: Foundations of Sustainability	SLO2: Human Actions and Sustainability	SLO3: Understanding Human Actions and Sustainability	SLO4: Solutions to Sustainability Issues	SLO5: Change Agent for Sustainability
SUST 1000: Introduction to Sustainability Science	I, A	I, A	I, A	I, A	I, A
SUST 1001: Biology Concepts for Sustainability I	I	I	I	I	I
SUST 1002: Chemistry Concepts for Sustainability I or CHEM 1083: Chemistry I	I	I	I	I	I
SUST 1003: Earth Systems Concepts for Sustainability I	I	I	I	I	I
SUST 1004: First Year Seminar on Sustainability	I	I	I	I	I
SUST 2001: Biology Concepts for Sustainability II	R	R	R	R	R

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SUST 2002: Chemistry Concepts for Sustainability II or CHEM 1084: Chemistry II	R	R	R	R	R
SUST 2003: Earth Systems Concepts for Sustainability II	R	R	R	R	R
SUST 2004: Second Year Seminar on Sustainability	R, A	R, A	R, A	R, A	R, A
SUST 2006: Mathematica Applications for Sustainability	R	R	R	R	R
SUST 2007: Applied Calculus for Sustainability or MATH 2411: Calculus	R	R	R	R	R
SUST 2009: Applied Physics for Sustainability or PHYS 1000: Principles of Contemporary Physics	R	R	R	R	R
SUST 2203: Intercultural Communication for Sustainability	R	R	R	R	R
SUST 3001: Applied Statistics for Sustainability	R	R	R	R	R
SUST 3002: Society and Sustainability or SOC 3420: Environment and Society	M	M	M	M	M
SUST 3003: Third Year Seminar on Sustainability	M	M	M	M	M
SUST 4000: Technologies for Sustainability	M	M	M	M	M
SUST 4001: Essential Readings in Sustainability	M	M	M	M	M
SUST 4003: Fourth Year Seminar on Sustainability	M	M	M	M	M
SUST 4300: Independent Practicum in Sustainability Science	M, A	M, A	M, A	M, A	M, A