

College of Science
Department of Chemistry
Minor: Materials in Society

APPROVED
COMMISSION ON UNDERGRADUATE
STUDIES AND POLICIES

For students graduating in calendar year 2021

Instructions: Complete all classes in Section I (Core Requirements), three classes from Section II (Restricted Electives), and Section III (Materials in Society Capstone Requirement). 18 total credit hours are required to complete the minor.

I. Core Requirements (6 credits):

MSE 1014	The Science of Materials in Everyday Life <i>Core outcome: Reasoning in the Natural Sciences</i> <i>Integrative outcome: Ethical Reasoning</i>	(3)___
CHEM 3054	Postconsumer Materials <i>Core outcome: Reasoning in the Natural Sciences</i> <i>Integrative outcome: Intercultural and Global Awareness</i>	(3)___

II. Restricted Electives (9 credits): Of the 9 credits, 3 must come from Section IIa (Social Equity), 3 must come from Section IIb (Policy), and 3 must come from Section IIc (Materials Science).

IIa: Social Equity (3 credits): Choose 1 of the course options.

PHIL 1304	Morality and Justice <i>Core outcome: Critical Thinking in the Humanities</i> <i>Integrative outcome: Ethical Reasoning</i>	(3)___
STS 2454	Science Technology and the Environment <i>Core outcome: Critical Thinking in the Humanities</i> <i>Integrative outcomes: Intercultural and Global Awareness; Ethical Reasoning</i>	(3)___
STS 3334	Energy and Society <i>Core outcome: Critical Thinking in the Humanities or Reasoning in the Social Sciences</i> <i>Integrative outcome: Intercultural and Global Awareness</i>	(3)___

IIb: Policy (3 credits): Choose 1 of the course options.

STS 2444	Global Science and Technology Policy <i>Core outcome: Critical Thinking in the Humanities or Reasoning in the Social Sciences</i> <i>Integrative outcome: Intercultural and Global Awareness</i>	(3)___
SPIA 2554	Collaborative Policy Making and Planning <i>Core outcome: Reasoning in the Social Sciences or Critical Analysis of Equity and Identity in the United States</i> <i>Integrative outcome: Ethical Reasoning</i>	(3)___
SPIA 4464	Data and the Art of Policy Making and Planning <i>Core outcome: Advanced/Applied Quantitative and Computational Thinking</i> <i>Integrative outcome: Ethical Reasoning</i>	(3)___

IIc: Materials Science (3 credits): Choose 1 of the course options.

MINE 2114	Energy and Raw Materials: Geopolitics and Sustainable Development <i>Core outcome: Reasoning in the Natural Sciences</i> <i>Integrative outcome: Intercultural and Global Awareness</i>	(3)___
CHEM 1015 or 1016 ^a	Chemistry in Context <i>Core outcome: Reasoning in the Natural Sciences</i> <i>Integrative outcome: Ethical Reasoning</i>	(3)___
GEOS 1024	Earth Resources, Society, and the Environment <i>Core outcome: Reasoning in the Natural Sciences</i>	(3)___

III. Materials and Society Capstone Requirement (3 credits):

CHEM 4054

Capstone in Materials and Society (Pre: 3054, MSE 1014)

(3)_____

Prerequisites

Some courses listed on this checksheet may have prerequisites. Students are required to double check course prerequisites and equivalents. Please see your advisor or consult the Undergraduate Course Catalog for more information.

Minimum GPA

For the courses attempted for this minor, the student must have a GPA of 2.0 or better.

Substitutions

^a Prior credit in CHEM 1035 or CHEM 1036 can substitute for CHEM 1015 or CHEM 1016.