

**Science and Global Change
Curriculum
Fall 2024**

Semester 1	CPSG 100: Colloquium I	1 cr
Semester 2	CPSG 101: Colloquium II	1 cr
Semester 3	CPSG 200: Colloquium III	1 cr
Semester 4	CPSG 230: Internship or CPSG 240: Service Learning or CPSG 250: Research or CPSP 359G: Advanced Research (DSSP) or CPSP 359S: Discovery Research (DSSP)	1-3 cr
Semester 1, 2, 3, or 4	Diversity, Equity, Inclusion & Justice Course (DVCC or DVUP)	3 cr
Semester 1, 2, 3, or 4	Supporting Course (var. Gen Ed)	3 cr
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Supporting Courses

- Select from list of approved courses (see below)
- Four courses (totaling 12 credits)
- The DEIJ requirement can be earned by one of the Supporting Courses if that course has DVCC or DVUP credit
- Students may petition an alternative course. Such a petition must include rationale for the selection of the course, how the course will enrich your understanding of SGC, and how your learning in SGC will enrich your understanding of the petitioned course. Students should consider petitioning any I-Series course that contributes to the deepening of your Scholars theme.

Science and Global Change First-Semester Advising Guide Fall 2024

Scholars in Science and Global Change must register for the following:

1. College Park Scholars Colloquium I: Science and Global Change

CPSG 100 Section 0101 Tu 3:30-4:50 1 Credit

2. Supporting Course (optional for first semester)

See list below.

*Note: students enrolling in **ENGL101** for the first semester are encouraged to select a Scholars-only section, designated **ENGL101S**. These meet in the Cambridge Community Center and provide the opportunity to complete a course with peers in other Scholars programs.*

Need more information?

Thomas Holtz (tholtz@umd.edu) – 301-405-4084

John Merck (jmerck@umd.edu) – 301-405-4379

Jeany Cadet (icadet1@umd.edu) – 301-314-1522

SGC Supporting Course List

PLEASE NOTE: Not all classes are offered every semester. Additionally, some may have prerequisites. Please check the listings in the Schedule of Classes. Credit and GenEd categories for each class are listed. If your choice also has DVCC or DVUP credit, the Supporting Course will also fulfill your DEIJ required class.

Each student must complete one course from each of the following three lists. (**Note:** each category also includes the categories before them.) These courses need not be taken in sequence: for example, you can complete your course from the “C” list before the “A” and “B” lists.

Prior Learning Credit: note that if you have an AP, IB, or similar transfer credit for a course which the University considers as equivalent to a course in the list below, SGC will honor this as having completed that Supporting Course.

Supporting Course A: Earth, Atmospheric, Environmental, and Planetary Sciences (any one course from the following list):

- GEOL 100 Physical Geology (3; DSNS) or GEOL 100/110 Physical Geology with Lab (4; DSNL)
- GEOL 102 Historical Geology (4)
- GEOL 104 Dinosaurs: A Natural History (3; DSNS)
- GEOL 120 Environmental Geology (3; DSNS) or GEOL 120/110 Environmental Geology with Lab (4; DSNL)
- AOSC/GEOL 123 Causes and Consequences of Global Change (3; DSNS, SCIS)
- GEOL 200 Earth's Fury: Earthquakes, Volcanoes, and Tsunami (3; DSNS, SCIS)
- GEOL 204 Dinosaurs, Early Humans, Ancestors, and Evolution: the Fossil Record of Vanished Worlds of the Prehistoric Past (3; DSNS, SCIS)
- GEOL 212 Planetary Geology (3; DSNS)
- AOSC 200 Weather and Climate (3; DSNS, SCIS) or AOSC 200/201 Weather and Climate with Lab (4; DSNL, SCIS)
- AGNR/PUAF 301 Sustainability (3)
- ARCH 272 Sustainability at College Park (3; DSNS or DSSP, SCIS)
- AREC 200 The Chesapeake Bay Ecosystem: Intersection of Science, Economics and Policy (3; DSNS or DSSP, SCIS)
- ENSP 101 Introduction to Environmental Science (3; DSNS)
- ENSP 102 Introduction to Environmental Policy (3; DSHS)
- ENST 140 Sustainability and History: The Maryland Experience (3; DSHS, SCIS)
- ENST 200 Fundamentals of Soil Science (4; DSNL)
- ENST 214 Introduction to Fish and Wildlife Sciences (3)
- GEOG 201/211 Geography of Environmental Systems/Lab (4; DSNL)
- ASTR 220 Collisions in Space -The Threat of Asteroid Impacts (3; DSNS, SCIS)

Supporting Course B: GenEd Natural Sciences (a second course from List A or one course from the following list):

Any 3-4 credit class with DSNS or DSNL GenEd credit.

Supporting Course C: Broader Context:

- ANSC 277 Eating with Eyes Wide Open (3; DSNS, SCIS)
- ANTH 210 Introduction to Medical Anthropology and Global Health (3; DSHS, DVUP)

ANTH 222 Introduction to Ecological and Evolutionary Anthropology (4; DSNL, DVUP)
 ANTH 240 Introduction to Archaeology (3; DSHS, DVUP)
 ANTH 241 Contraversies in Archaeology 3
 ANTH 265 Anthropology of Global Health (3; DSHS, DVUP, SCIS)
 ANTH 266 Changing Climate, Changing Cultures (3; DSHS, DVCC, SCIS)
 AREC 240 Introduction to Economics and the Environment (3; DSHS)
 AREC 241 Environment, Economics and Policy (4; DSHS, SCIS)
 AREC 365 World Hunger, Populations, and Food Supplies (3; DVUP)
 BSCI 151 Beyond Race: Human Biological Diversity (3; DSNS or DSSP) (if not used for your Supporting Course B)
 Any one (1) CMSC course numbered 106 or higher OR INST 126 Introduction to Programming for Information Professionals (3), INST 326 Object-Oriented Programming for Information Science (3), or INST 327 Database Design and Modeling (3; DSSP)
 ECON 181 Putting a Price on the Environment: An Economist's Perspective on Sustainability (3; DSHS, SCIS)
 ECON 185 Energy: Crisis or Breakthrough? (3; DSHS, SCIS)
 ENEE 131 Technology Choices (3; DSSP, SCIS)
 ENGL 255 Literature of Science and Technology (3; DSHU)
 ENMA 150 The Materials of Civilization (3; DSNS, SCIS)
 ENMA 289A Bigger, Faster, Better: The Quest for Absolute Technology (3; DSNS, SCIS)
 ENSP/PLSC 250 Lawns in the Landscape: Environmental Hero or Villain (3; DSNS, SCIS)
 ENST 233 Introduction to Environmental Health (3; DSNS)
 ENST 282 Ecological Innovation and Entrepreneurship (3)
 FMSC 110 Families and Global Health (3; DSHS, DVCC)
 GEOG 140 Natural Disasters: Earthquakes, Floods, and Fires (3; DSNS, SCIS)
 GEOG 330 As the World Turns: Society and Sustainability in a Time of Great Change (3; DSHS, DVUP, SCIS)
 GEOL 288 Field Studies I (1-2)
 GEOL 388 Field Studies II (3)
 HIST 141 Carbon: Element at the Center of History (3; DSHS, SCIS)
 HIST 204 Introduction to the History of Science (3; DSHS)
 HIST 205 Environmental History (3; DSHS or DSHU)
 HIST 206 Introduction to the History of Technology (3; DSHS)
 PHIL209B Investigating Darwin's Dangerous Idea (3; DSHS or DSHU or DSSP, SCIS)
 PHIL250 Philosophy of Science I (3; DSHU)
 PLSC 101 Introductory Crop Science (4; DSNL)
 PLSC 115 How Safe is Your Salad? The Microbiological Safety of Fresh Produce (3; DSNS, SCIS)
 PLSC 125 Feeding Nine Billion by 2050: Food Security and Crop Protection (3; DSNS, SCIS)
 PLSC 289I Greening Cities: Who Wins, Who Loses, and Who Cares? (3; DSSP, SCIS)
 URSP 250 The Sustainable City: Opportunities and Challenges (3; DSSP, SCIS)

GenEd abbreviations:

DSHS History and Social Sciences
 DSHU Humanities
 DSNL Natural Science Lab
 DSNS Natural Sciences
 DSSP Scholarship in Practice

DVCC Cultural Competency
DVUP Understanding Plural Societies
FSAR Analytic Reasoning
FSMA Math
SCIS Big Questions

<http://www.geol.umd.edu/pages/sgc/menus/requirements.html>

List Current as of 18 Jan 2024 TRH