Learning Outcomes

1) Students explain causes, consequences, and responses to climate change.
2) Students analyze and evaluate climate change processes, effects, and solutions, drawing on different fields.
3) Students synthesize information to recommend, in accessible terms and drawing on evidence appropriate to an advanced level, paths to ensure a stable and just climate.

Required core courses (14 credits) – Foundations

1. Introduction to Environmental Studies: ENVR 150
2. Natural Sciences
   - Science of Global Climate Change: ENVR 331
   - OR Energy and the Environment: INTG 278A
   - OR 4 credits of Climate and Habitat Change: CHEM 343, Atmosphere: CHEM 344A, or Hydrosphere and Lithosphere: CHEM 344B
3. Social Sciences
   - Energy and Society: ENVR 377A
   - OR Climate Action Workshop: ENVR 303
4. Global Climate Change Policy: ENVR 306 (2 credits)

Upper-division electives

Part 1: Applications in diverse fields (4 credits, 300- or 200-level)

1. Climate Action Workshop: ENVR 303
2. Energy and Society: ENVR 377A
3. Science of Global Climate Change: ENVR 331
4. Sustainable Agricultural Science: ENVR 300T
5. American Environmental Literature: ENVR 315
6. Environmental Health: ENVR 300Q
7. Global Environmental Politics: PCST 354
8. Sustainable Urban Planning: POLS 350
10. Environmental Anthropology: SOCI 349
11. Global Malnutrition and Disease: NUTR 326 (Prerequisites: NUTR 125 and NUTR 323)
12. Food Systems: Policies and Controversies: NUTR 240 (2 credits, Prerequisites: NUTR 125)
14. Intro to Computer Art: ART 218
15. Elementary Science Content: EDUC 323
17. Environmental and Natural Resource Economics: ECON 318 (Prerequisite: ECON 111, or instructor permission)
18. Climate and Habitat Change: CHEM 343 (2 credits, Prerequisites: CHEM 250 and 255 or departmental permission)
19. Environmental Chemistry, Atmosphere: CHEM 344A (2 credits, Prerequisite: CHEM 250 and 255 or departmental permission)
20. Environmental Chemistry: Lithosphere and Hydrosphere: CHEM 344B (2 credits, Prerequisite: CHEM 250 and 255 or departmental permission)
21. Nanomaterials: CHEM 346 (2 credits, Prerequisites: CHEM 315 or 318 or departmental permission)
22. Sustainable Energy: CHEM 354 (2 credits, Prerequisites: CHEM 250 and 255 or departmental permission)

Part 2: Integrating and Deepening Knowledge (2 credits)

1. Climate Studies Capstone (2 credit ILP) OR
2. United Nations Climate Change Conference: ENVR 305 (2 credit, attends UN climate negotiations, admission by competitive application process each February)

• No more than four credits may count for another major or minor.