Classes & Opportunities

** curated by the Sustainability Advocates Fall 2021 cohort; last updated in Spring 2022 **

The College of Arts & Sciences

Curriculum Requirements:

Artistic, Interpretive & Philosophical

ENWR 3665: Writing about the Environment
RELG 2210: Religion, Ethics, & Global Environment
RELG 3416: Sustainability and Asceticism

The Chemical, Mathematical & Physical Universe

EVSC 1010: Introduction to Environmental Sciences
EVSC 1300: Earth’s Weather and Climate
EVSC 2010: Materials That Shape Our Civilizations
EVSC 2050: Introduction to Oceanography
EVSC 2800: Fundamentals of Geology
EVSC 2850: Polar Environments
EVSC 3060: Biomechanics of Organisms
EVSC 3300: Atmosphere and Weather
EVSC 3600: Physical Hydrology
EVSC 4050: Topics in Oceanography
EVSC 4490: Air Pollution
EVSC 4640: Water Resources in a Changing World
EVSC 4660: Hydrological Field Methods and Data Analysis
EVSC 4670: Drinking Water Quality
EVSC 4870: Global Biogeochemical Cycles
EVSC 4890: Planetary Geology
GSVS 2050: Sustainable Energy Systems
GSVS 3210: The Global Context of Clean Energy Materials

**Cultures and Societies of the World**

EVSC 2200: Plants, People and Culture
MESA 3345: Islam, Science, and the Environment
PLAP 3160: Politics of Food
RELG 3416: Sustainability and Asceticism

**Historical Perspectives**

HIST 2152: Climate History

**Living Systems**

ANTH 3340: Ecology and Society: An Introduction to the New Ecological Anthropology
BIOL 3020: Evolution and Ecology
BIOL 3180: Introduction to Plants and Society
EVSC 1010: Introduction to Environmental Sciences
EVSC 2050: Introduction to Oceanography
EVSC 3060: Biomechanics of Organisms
EVSC 3200: Fundamentals of Ecology
EVSC 4050: Topics in Oceanography
EVSC 4140: Global Coastal Change
EVSC 4170: Spatial Ecology
EVSC 4991: The Theory and Practice of Biodiversity Conservation

Science & Society

ANTH 3340: Ecology and Society: An Introduction to the New Ecological Anthropology
ECON 4430: Environmental Economics
ETP 2030 and PLAP 2030: Politics, Science, & Values: Intro to Environmental Thought and Practice
ETP 4010: Environmental Decisions
EVSC 4140: Global Coastal Change
EVSC 4670: Drinking Water Quality
GSVS 3020: Sustainable Design Thinking II
GSVS 3210: The Global Context of Clean Energy Materials
HIST 2152: Climate History

Social & Economic Systems

ECON 4430: Environmental Economics
ETP 2030 and PLAP 2030: Politics, Science, & Values: Intro to Environmental Thought and Practice
ETP 4010: Environmental Decisions
EVSC 2010: Materials That Shape Our Civilizations
EVSC 2200: Plants, People, and Culture
GSVS 2050: Sustainability Energy Systems
PLAP 3160: Politics of Food
Engagements

EGMT 1540: Climate Change and the History of the Future
EGMT 1540: Science and Politics

School of Engineering & Applied Science

Curriculum Requirements:

Technical Elective (Civil Engineering Courses)

CE 3050: Intro to Green Engineering
CE 3100: Water for the World
CE 4040: Sustainability and Systems in the Built Environment
CE 3120: Solid Waste Management
CE 3220: Water Resources Engineering

Civil/Environmental Application Elective (SYS Requirement)

CE 3050: Intro to Green Engineering
CE 4040: Sustainability and Systems in the Built Environment
EVSC 2559: AgroEcology
EVSC 3200: Fundamentals of Ecology
PLAN 3060: Land, Law and the Environment
PLAN 3860: Cities and Nature
GSVS 2150: Global Sustainability

*For more see Civil, Environmental & Infrastructure Systems at:
https://engineering.virginia.edu/departments/engineering-systems-and-environment/academics/undergraduate-programs/systems-6 *

Science Elective
EVSC 2010: Materials that Shape Civilizations
EVSC 2559: AgroEcology
EVSC 3200: Fundamentals of Ecology

*All 2000 level and above Environmental Science classes are acceptable Science II electives (with a few exceptions)*

STS Elective

STS 2050: Introduction to Sustainable Energy Systems

Sustainability-Related Careers

Civil/Environmental Engineering
   Environmental Engineering
   Waste/Water Management
   Sustainable Construction / Construction Management
   Sustainable Certification (LEED, energy star, breeam)

Systems/CS Engineering
   Sustainable Consulting for Businesses
   Data Analysis for Sustainable Businesses/Sustainable Consulting
   Analytics and Data Science Intern / Project Management Intern

Biomedical Engineering
   Sustainable Bioengineering Research

Mechanical/Electrical Engineering
   Sustainability, Environment & Safety Engineer
   Electrical Engineer for Sustainable Businesses
   Clean/Renewable Energy Engineering

School of Architecture

Curriculum Requirements:

Common First Year Classes & Electives

   ARH 1010: History of Architecture I
ARH 1020: History of Architecture II
ARCH 1020: Lessons in Making
PLAN 1010: Intro to Urban & Environmental Planning
SARC 1500: SARC Seminars (those related to sustainability)

Architecture:

Second Year

ARCH 2220: Principles of Tectonics
ARCH 3403: World Contemporary Architecture

Third Year

ARCH 3260: Building Matters

Other ARCH Classes

ARCH 3500: Biomaterial Building
ARCH 3500: Climate Justice in Cities

Architectural History:

ARH Electives

ARCH 3608: Historic Preservation Theory and Practice
ARCH 3613: UNESCO, World Heritage and Tourism

Urban & Environmental Planning:

Second Year

PLAN 2030: Neighborhoods, Communities, & Regions

Third Year
PLAN 3060: Law, Land, & the Environment
PLAN 3050: Planning Methods

Other PLAN Classes

PLAN 3011: Race and the American City
PLAN 3500: Race, Redlining, & Redevelopment
PLAN 3860: Cities and Nature
PLAN 5500: Inclusive Cities
PLAN 5500: Sustainable Europe (Summer)
PLAN 5500: Morocco: Field Studies in Urbanization & Sustainable Development (Summer)
PLAN 5580: Bicycle Planning
PLAN 5600: Land Use and Growth Management
PLAN 5614: Urban Strategies
PLAN 5710: Transportation and Environment
PLAN 3500: The Design of Protest
PLAN 3811: Gender & Built Environment
PLAN 3840: Ethics of Cities & Environment
PLAN 3870: Environment and the Economy
PLAN 5230: Design Dimensions in Real Estate
PLAN 5300: Preservation Planning
PLAN 5500: Virginia Food System Leadership Institute (Summer)

School of Nursing
Curriculum Requirements:

Nursing Interprofessional

NUIP 2311: REAL I (Research, Ethics, Advocacy, and Leadership: Intro to Professional Practice)

Nursing Core

NUCO 4450: Population and Public Health Nursing

The Chemical, Mathematical & Physical Universe

EVSC 1010: Introduction to Environmental Sciences
EVSC 1300: Earth’s Weather and Climate
EVSC 2010: Materials That Shape Our Civilizations
EVSC 2050: Introduction to Oceanography
EVSC 2800: Fundamentals of Geology
EVSC 2850: Polar Environments
EVSC 3060: Biomechanics of Organisms
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EVSC 3600: Physical Hydrology
EVSC 4050: Topics in Oceanography
EVSC 4490: Air Pollution
EVSC 4640: Water Resources in a Changing World
EVSC 4660: Hydrological Field Methods and Data Analysis
EVSC 4670: Drinking Water Quality
EVSC 4870: Global Biogeochemical Cycles
EVSC 4890: Planetary Geology
Social Science/History

HIST 2152: Climate History
ECON 4430: Environmental Economics

General Education Electives

EVSC 1010: Introduction to Environmental Sciences
EVSC 1300: Earth’s Weather and Climate
EVSC 2010: Materials That Shape Our Civilizations
EVSC 2050: Introduction to Oceanography
EVSC 2800: Fundamentals of Geology
EVSC 2850: Polar Environments
EVSC 3060: Biomechanics of Organisms
EVSC 3300: Atmosphere and Weather
EVSC 3600: Physical Hydrology
EVSC 4050: Topics in Oceanography
EVSC 4490: Air Pollution
EVSC 4640: Water Resources in a Changing World
EVSC 4660: Hydrological Field Methods and Data Analysis
EVSC 4670: Drinking Water Quality
EVSC 4870: Global Biogeochemical Cycles
EVSC 4890: Planetary Geology

School of Education & Human Development

Teacher Education:
Years 1 & 2

EDIS 3020: The Exceptional Learner

Year 4 Fall

EDIS 4330: Science in the Elementary School

Youth & Social Innovation:

Youth Development Focus Area

EDLF 3460: Race and Identity in Youth Development
EDLF 3610: Immigrant Youth and Families

Policy Focus Area

EDLF 4082: The Politics of Public Education

Innovation Focus Area

EDHS 3060: Building Resilience in Youth, Families, and Communities

Kinesiology:

Data Literacy/Statistics

DS 4002: Data Science Project Course

Mathematics and Natural Sciences

EVSC 1010: Introduction to Environmental Sciences
EVSC 1300: Earth’s Weather and Climate
EVSC 2010: Materials That Shape Our Civilizations
EVSC 2050: Introduction to Oceanography
EVSC 2800: Fundamentals of Geology
EVSC 2850: Polar Environments
EVSC 3060: Biomechanics of Organisms
EVSC 3300: Atmosphere and Weather
EVSC 3600: Physical Hydrology
EVSC 4050: Topics in Oceanography
EVSC 4490: Air Pollution
EVSC 4640: Water Resources in a Changing World
EVSC 4660: Hydrological Field Methods and Data Analysis
EVSC 4670: Drinking Water Quality
EVSC 4870: Global Biogeochemical Cycles
EVSC 4890: Planetary Geology

Humanities

HIST 2152: Climate History

Social Sciences

ECON 4430: Environmental Economics

Speech Communication Disorders:

Special Populations

EDIS 3020: The Exceptional Learner

General Education Requirements:

Nonwestern Perspective/ Cultures & Societies of the World

EDIS 3060: Poverty and the Young Child (strongly recommended for Early Childhood majors)

EDLF 3240: Education in Multicultural Societies

EDLF 3460: Race and Identity in Youth Development

EDLF 3610: Immigrant Youth and Families
EDLF 4610: Civil Rights Movement and Education

**McIntire School of Commerce**

**Curriculum Requirements:**

**Commerce**

- COM 3880: Global Sustainability
- COMM 4693: The Business of Saving Nature in Cuba
- COMM 4821: Managing Sustainable Development
- COMM 4822: Invest in Sustainable Future
- COMM 4824: Sustainability in Nicaragua: Implications for Public Health and Prosperity

Certificate in Sustainable Business

**Sustainability-Related Careers:**

- Sustainability Director
- Sustainability Manager
- Supply Chain Management
- Sustainability Business Analyst
- Sustainability Integration and Communications

**Frank Batten School of Leadership & Public Policy**

**Curriculum Requirements:**

**Leadership and Public Policy**

- LPPP 6500: Topics in Public Policy
  - a) Climate Politics: A Critical Analysis
  - b) Multilateral Environmental Negotiations

- LPPS 6752: Sustainability Policy Design and Evaluation

Global Leadership Forum
LPPP 3250: Global Development Policy
LPPP 3500: Corporate Social Responsibility
LPPP 3500: Impact Investing in Action: Appalachia (J-term)
LPPP 4210: Integrating Ethics in Public Policy
LPPP 4725: NGOs in the Policy Arena
LPPS 3050: Introduction to Social Entrepreneurship
LPPS 3295: Global Humanitarian Crises Response
LPPS 4720: Open Source for the Common Good
LPPS 4730: Impact Investing
LPPS 4735: Experiential Social Entrepreneurship
LPPS 5550: UVA J-Term in Vietnam: An Ecological-Economic Exploration

**Sustainability-Related Careers:**

- Environmental Protection Agency
- Non-Profit (e.g. Sierra Club)
- Non-governmental Organization (e.g. Greenpeace)
- Head of Public Policy and Sustainability
- International Public Policy Manager- Sustainability
- Environmental Policy Analyst
- Environmental Lobbyist