

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

ARH 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

ARH 3608: Historic Preservation Theory and Practice

ARH 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

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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

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