### COLUMBIA UNIVERSITY

#### UNDERGRADUATE PROGRAM IN SUSTAINABLE DEVELOPMENT

**SPECIAL CONCENTRATION**

**PROGRAM REQUIREMENT CHECKLISTS**

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## Part I. Sustainable Development Foundation (3 courses)

- ☐ SDEV UN1900: Introduction to Sustainable Development Seminar  
  - Fa / Sp * 20
  - All three courses completed
- ☐ SDEV UN2300: Challenges of Sustainable Development  
  - Spring * 20
  - Fall * 20
- ☐ EESC UN2330: Science for Sustainable Development

## Part II. Natural Science System (1 course)

- ☐ PHYS UN1201: General Physics I  
  - ☐ CHEM UN1403: Chemistry I
  - One course completed
- ☐ EESC UN1011/1411: Earth: Origin, Evolution, Processes, Future  
  - ☐ EEEB UN1001: Biodiversity  
  - ☐ EESC UN1600: Earth Resources & Sustainable Dev.
  - ☐ EESC V1201: Environment Risks and Disasters  
  - ☐ EESC UN2100: Earth’s Environmental System: Climate
- ☐ EESC UN2200: Earth’s Environmental Systems: Solid Earth  
  - ☐ EESC UN1003: Climate and Society: Case Studies

## Part III. Human Science Systems (1 course)

- ☐ ECON UN1105: Principles of Economics  
  - ☐ SDEV UN2000: Intro to Environmental Law  
  - One course completed
- ☐ SDEV UN3400: Human Populations and SDEV  
  - ☐ POLS UN1501: Introduction to Comparative Politics
- ☐ POLS UN1601: Intro to International Politics  
  - ☐ SOCI UN1000: The Social World
- ☐ ANTH UN1002: The Interpretation of Culture  
  - ☐ ANTH UN2004: Intro to Social & Cultural Theory

## Part IV. Analysis and Solutions to Complex Problems (2 courses)

- ☐ CIEE E3260: Engineering for Dev. Communities  
  - ☐ EAEE W4304: Closing the Carbon Cycle
  - Two courses completed
- ☐ EESC BC3032: Agricultural & Urban Land Use  
  - ☐ EESC BC3045: Responding to Climate Change
- ☐ **EESC GU4600: Earth Resources & Sustainable Development**  
  - ☐ PUBH W3100: Fundamentals of Global Health
- ☐ SDEV UN3330: Ecological and Social Sys. for SDEV  
  - ☐ SDEV W3200: Global Food Systems
  - 1st Course: Fa / Sp * 20
- ☐ SDEV UN3360: Disasters and Development  
  - ☐ ECIA W4100: Mgmt. and Dev. of Water Systems
  - 2nd Course: Fa / Sp * 20
- ☐ SDEV UN3410: Urbanization and Sustainability  
  - ☐ SDEV UN3366: Energy Law
- ☐ SDEV UN3355: Climate Change & Law  
  - ☐ URBS UN3565: Cities in Dev. Count: Prob. and Pros.
- ☐ SEE-U: YEAR: ________ CREDITS: ________  
  - ☐ PLAN A4579: Introduction to Environmental Planning

## Part IV. Skills / Actions (1 course)

- ☐ EAEE E4257: Environmental Data Analysis & Modeling  
  - ☐ SDEV UN3390: GIS for Sustainable Development
  - One course completed
- ☐ SCNC W3010: Science, Tech. and Society  
  - ☐ SDEV UN3450: Spatial Analysis and Model. for Sus. Dev.
- ☐ EESC GU4050: Global Assessment Remote Sensing  
- ☐ SDEV GU4015: Complexity Science  
  - ☐ SOCI UN3010: Methods for Social Research
- ☐ SUMA PS4100: Sustainability Management  
  - ☐ EESC BC3050: Big Data with Python
  - SEE-U: YEAR: ________ CREDITS: ________

## Part V. Practicum (1 course)

- ☐ SUMA PS4310: Innovation Sustainability Leadership  
  - ☐ INAF U4420: Oil, Rights and Development
  - Course completed
- ☐ SUMA PS4734: Earth Institute Practicum  
  - ☐ SDEV UN3998: Sus. Dev. Individual Research

## Part VI. Capstone Workshop (1 course)

- ☐ SDEV UN3280: Workshop in Sustainable Development  
  - ☐ SDEV W3350: Bangladesh Workshop

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† A letter grade of C- or better is needed in all program-related courses to satisfy the requirements for the major.

* EAEE E3100 S Better Planet By Design will not be approved as a Science Sequence after Fall 2016.

** EESC 1600 & EESC 4600 are separate sections of Earth Resources & Sustainable Development. 1600 can only be applied to the science sequence and 4600 will only be accepted for Analysis and Solutions. Transfers between requirements is not permitted.

Updated: 11/03/17