**COLUMBIA UNIVERSITY**
**UNDERGRADUATE PROGRAM IN SUSTAINABLE DEVELOPMENT**

**SPECIAL CONCENTRATION**
**PROGRAM REQUIREMENT CHECKLISTS**

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### Last Name: ____________________ First Name: ____________________ UNI: ____________________

#### 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

- **EECS UN2330**: Science for Sustainable Development

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

- **PHYS UN1201**: General Physics I  
  - **CHEM UN1403**: Chemistry I

- **EECS UN1011/1411**: Earth: Origin, Evolution, Processes, Future  
  - **EECS UN1600**: Earth Resources & Sustainable Dev.

- **EEEE UN1001**: Biodiversity  
  - **EEEB UN2002**: Environmental Biology II

- **EECS V1201**: Environment Risks and Disasters  
  - **EECS UN2100**: Earth’s Environmental System: Climate

- **EECS UN2200**: Earth’s Environmental Systems: Solid Earth  
  - **EECS UN1003**: Climate and Society: Case Studies

- **Associated Lab**

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

- **ECON UN1105**: Principles of Economics  
  - **SDEV UN2000**: Intro to Environmental Law

- **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  
  - **EAE E W4304**: Closing the Carbon Cycle

- **EECS BC3032**: Agricultural & Urban Land Use  
  - **EECS BC3045**: Responding to Climate Change

- **EECS UN4600**: Earth Resources & Sustainable Development  
  - **PUBH W3100**: Fundamentals of Global Health

- **SDEV UN3330**: Ecological and Social Sys. for SDEV  
  - **SDEV W3200**: Global Food Systems

- **SDEV UN3360**: Disasters and Development  
  - **ECIA W4100**: Mgmt. and Dev. of Water Systems

- **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

- **ANTH BC3932**: Climate Change, Global Migration, & Human Rights in the Anthropocene

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

- **EAEE E4257**: Environmental Data Analysis & Modeling  
  - **SDEV UN3390**: GIS for Sustainable Development

- **SCNC W3010**: Science, Tech. and Society  
  - **SDEV UN3450**: Spatial Analysis and Model. for Sus. Dev.

- **EECS GU4050**: Global Assessment Remote Sensing  
  - **SDEV UN2320**: Eco. and Fin. Methods for Sus. Dev.

- **EECS GU4015**: Complexity Science  
  - **SOCI UN3010**: Methods for Social Research

- **SUMA PS4100**: Sustainability Management  
  - **EECS BC3050**: Big Data with Python

- **SEE-U**: YEAR: _________ CREDITS: _________

#### Part VI. Practicum (1 course)

- **SUMA PS4310**: Innovation Sustainability Leadership  
  - **INAF U4420**: Oil, Rights and Development

- **SUMA PS4734**: Earth Institute Practicum  
  - **SDEV UN3998**: Sus. Dev. Individual Research

#### Part VII. Capstone Workshop (1 course)

- **SDEV UN3280**: Workshop in Sustainable Development  
  - **Fa / Sp**: *20  
  - **Course completed**

- **SDEV W3350**: Bangladesh Workshop  
  - **Fa / Sp**: *20  
  - **Course completed**

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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 E2100 S Better Planet By Design will not be approved as a Science Sequence after Fall 2016.*

**EECS 1600 & EECS 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.**

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Updated 1/2018