COLUMBIA UNIVERSITY
UNDERGRADUATE PROGRAM IN SUSTAINABLE DEVELOPMENT

MAJOR
PROGRAM REQUIREMENT CHECKLISTS

Last Name: _____ First Name: _____ UNI: _____

Part I. Sustainable Development Foundation (3 courses)

☐**SDEV 1900**: Introduction to Sustainable Development Seminar	Fa / Sp ∗ 20 ____	All three completed
☐**SDEV 2300**: Challenges of Sustainable Development	Spring ∗ 20 ____	
☐**EESC 2330**: Science for Sustainable Development	Fall ∗ 20 ____	☐

Part II. Basic Disciplinary Foundation (5 courses)

Science Sequence (Choose 1)	☐**EEEB 2001**: Envir. Biology I → ☐**EEEB 2002 + EESC 2310**: Envir. Biology II ☐**CHEM 1403**: General Chemistry I → ☐**CHEM 1404**: General Chemistry II ☐**PHYS 1201+PHYS 1291**: Gen. Physics I → ☐**PHYS 1202+PHYS 1292**: Gen. Physics II ☐**EESC 2100**: Earth's Env. Syst: Climate ☐**EESC 2200**: Earth's Env. Syst: Solid Earth ☐**EESC 2300**: Earth's Env. Syst: Life ☐****EESC 1600**: Earth Res. & Sus. Dev.	1st Course: Fa / Sp ∗ 20 ____ 2nd Course: Fa / Sp ∗ 20 ____	One sequence completed ☐
Social Science Sequence (Choose 2)	☐**ANTH 1002**: The Interpretation of Culture ☐**ANTH 1003:** The Environment ☐**ANTH 2004**: Intro to Social & Cultural Theory ☐**ANTH 2427:** Anthropology of Climate Change ☐**ECON 1105**: Principles of Economics ☐**HIST 2222:** Nature & Power: Environ. Hist. of No. Am. ☐**POLS 1201:** Intro to American Politics ☐**POLS 1501**: Intro to Comparative Politics ☐**POLS 1601:** Intro to International Politics ☐**SDEV 2000**: Intro to Environmental Law ☐**SDEV 2050**: Environmental Policy and Governance ☐**SDEV 3400**: Human Population and Sus. Dev. ☐**SOCI 1000**: The Social World ☐**FSPH 1100**: Food, Public Health & Public Policy	1st Course: Fa / Sp ∗ 20 ____ 2nd Course: Fa / Sp ∗ 20 ____	Two courses completed ☐
Quantitative Foundation (Choose 1)	☐**EEEB 3005**: Intro Stat EEEB ☐**EESC 3017**: Env. Data Analysis ☐**MATH 2015**: Linear Algebra & Probab. ☐**STAT 1201**: Intro Stat. w/Calc ☐**STAT 2103**: App. Lin. Reg. Analysis ☐**STAT 3105**: Appl. Stat. Methods ☐**STAT 3106**: Appl. Data Mining ☐**STAT 4204**: Statistical Inference ☐**STAT 4203**: Probab. Theory ☐**STAT 4205**: Lin. Reg. Models ☐**STAT 4207**: Elem. Stoc. Process	Fa / Sp ∗ 20 ____	One course completed ☐

Part III. Analysis And Solutions To Complex Problems (2 courses)

☐**CIEE 3260**: Engineering for Dev. Communities ☐**EAEE 4304**: Closing the Carbon Cycle ☐**EESC 3032**: Agricultural & Urban Land Use ☐**EEEB 4135**: Urban Ecology and Design ☐**ECIA 4100**: Mgmt. and Dev. of Water Resources ☐**EESC 3045**: Responding to Climate Change ☐**SDEV 3330**: Ecological and Social Sys. for SDEV ☐****EESC 4600**: Earth Resources & Sustainable Dev ☐**SDEV 3410**: Cities and Sustainability ☐**SDEV 3360**: Disasters and Development ☐**PUBH 4200:** Environment, Health and Justice ☐**PUBH 3100**: Fundamentals of Global Health ☐**SDEV 3366:** Energy Law ☐**SDEV 3355**: Climate Change & Law ☐**SDEV 4250:** Resilience and Adaptation ☐**URBS 3565:** Cities in Dev. Count: Prob. and Pros. ☐**ANTH 3932**: Global Migration/Human Rights in Anthropocene ☐**SEE-U:** Year_____ ☐**HIST 3712:** African Climate and History ☐**HIST 4811:** History Environment/Health in South Asia/ Beyond ☐**SDEV 4650:** Building Climate Justice: Co-Creative Coastal Resilience Planning	1st Course: Fa / Sp ∗ 20 ____ 2nd Course: Fa / Sp ∗ 20 ____	Two courses completed ☐

Part IV. Skills / Actions (2 courses)

☐**EAEE 4257**: Environmental Data Analysis & Modeling ☐**EESC 3050**: Big Data with Python ☐**EESC 4050**: Global Assessment Remote Sensing ☐**SDEV 2320**: Eco. and Fin. Methods for SDEV ☐**SDEV 3390**: GIS for Sustainable Development ☐**SDEV 3450**: Spatial Analysis/Modeling for SDEV ☐**SDEV 4240**: Science Communications ☐**SDEV 4101:** Qual. Research Mtds. for SDEV ☐**SOCI 3010**: Methods for Social Research ☐**SUMA 4100**: Sustainability Management ☐**SEE-U:** Year:_____	1st Course: Fa / Sp ∗ 20 ____ 2nd Course: Fa / Sp ∗ 20 ____	Two courses completed ☐

Part V. Electives (2 courses)

| **Additional Courses** (Choose 2) | ☐**Senior Thesis Seminar:** EESC 3800/3801, EESC 3901, EEB 3991/2
 ☐**Upper division course(s) from the Pre-Approved List**
 ☐**Additional courses from Analysis and Sol. to Complex Problems**
 ☐**Additional courses from Skills/Actions**
 ☐**SDEV 3310:** Ethics of Sustainable Development, **SDEV 4050:** U.S. Water & Energy Policy, **SDEV 4350:** Public Lands in American West | 1st Course:
 Course Dept. & Number:
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 2nd Course:
 Course Dept. & Number: | 1st Course:
 Fa / Sp ∗ 20 ____

 2nd Course:
 Fa / Sp ∗ 20 ____ | Two courses completed

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Part VI. Practicum (1 course)

☐**SDEV 3998**: Sus. Dev. Individual Research ☐**SDEV 4550:** The NYC Watershed ☐**SUMA 4310:** Innovation Sustainability Leadership ☐**SUMA 4734:** Earth Institute Practicum	Fa / Sp ∗ 20 ____	Course completed ☐

Part VII. Capstone Workshop (1 course)

☐**SDEV 3280**: Workshop in Sustainable Development ☐**SDEV 3550**: Bangladesh Workshop ☐**SDEV 4400**: Sustainable Development in Sub-Saharan Africa: Exploring Rwanda	Fa / Sp ∗ 20 ____	Course completed ☐

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

*ANTH 2427 is an elective through summer 2021. Starting fall 2021 the course will satisfy the social science requirement only.

*HIST 2222 is an elective through summer 2021. Starting fall 2021 the course will satisfy the social science requirement only.

**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.