

## ENVIRONMENTAL STUDIES & SCIENCE CHECKLIST OF MAJOR REQUIREMENTS 2026–27 (revised 09/08/26)

To be completed, signed by student and advisor and returned electronically to ES Director or EVSS@oberlin.edu along with Declaration of Major form  
**IMPORTANT! Name files: FIRSTNAME LASTNAME [ES Checklist or Major Form] [today's date:YYMMDD] e.g. "Jane Doe ES Major Checklist 240901"**

Name: \_\_\_\_\_ T Number: \_\_\_\_\_

I am pursuing a major in (X): ☐ Environmental Studies ☐ Environmental Science

### I. CORE COURSES REQUIRED OF ALL ENVIRONMENTAL STUDIES (E-Studies) OR SCIENCE (E-Science) MAJORS

- In all columns below, insert a semester and year to indicate courses already taken or to be taken (e.g. "F26"). If there is more than one course that fulfills the requirement, indicate the specific course you intend to take in this column (e.g. "EVSS 208 F26" or "EVSS 232 F26")
- Semesters next offered and other attributes (e.g., QFR, CD, LAB, etc.) are listed in parentheses following course names. \* denotes courses that have prerequisites (not including those that require EVSS 101). Semesters of next offerings change - check the course schedule through Overview.

| Taken | To be taken |                                                                                                                                |
|-------|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| _____ | _____       | EVSS 101 Environment and Society (offered every semester)                                                                      |
| _____ | _____       | <input type="checkbox"/> X if you received 5 on AP Enviro Science and wish exemption (requires 1 additional SS/HU/NS elective) |
| _____ | _____       | EVSS 208 Environmental Policy (F26, S27) OR *ECON/EVSS 231 Environmental Economics (S27, QFR)                                  |

### Ia. CORE COURSES REQUIRED OF ENVIRONMENTAL STUDIES MAJORS (E-Studies)

- Leave this section blank if you are an E-Science major!

|       |       |                                                                                                                                                                                                                              |
|-------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| _____ | _____ | BIOL 103 Environmental Biology (S27, QFR) OR *BIOL 210/211 Evolution and Ecology (S27, LAB, QFR)                                                                                                                             |
| _____ | _____ | EVSS 201 Introduction to Environmental Humanities (generally every semester) (F26, S27)                                                                                                                                      |
| _____ | _____ | CHEM 051 Chemistry & Environment (S27, QFR) OR CHEM 101 Structure & Reactivity (F26, S27, LAB, QFR) OR                                                                                                                       |
| _____ | _____ | *CHEM 102 Principles of Chemistry (F26, S27, LAB QFR). Indicate specific class (e.g. "CHEM 101 F26")                                                                                                                         |
| _____ | _____ | Any GEOS course that counts towards the Geology major (e.g. "GEO 120 TBD")                                                                                                                                                   |
| _____ | _____ | Out of the three core NS courses (BIOL, CHEM & GEOS) or through an additional NS course from the list below, at least one course must have a lab. Indicate this lab course in a column to the left (e.g. "BIOL 210/211 F26") |

### Ib. CORE COURSES REQUIRED OF ENVIRONMENTAL SCIENCE MAJORS (E-Science)

- Leave this section blank if you are an E-Studies major!

|       |       |                                                                                                             |
|-------|-------|-------------------------------------------------------------------------------------------------------------|
| _____ | _____ | BIOL 100 Organismal Biology (F26, S27, LAB, QFR)                                                            |
| _____ | _____ | BIO 210/211 Genetics, Evolution and Ecology (F26, S27, LAB, QFR)                                            |
| _____ | _____ | CHEM 101 Structure and Reactivity (F26, S27, QFR) OR *CHEM 102 Principles of Chemistry (F26, S27, LAB, QFR) |
| _____ | _____ | GEOS 120 (TBD, QFR, LAB), GEOS 124 (TBD, QFR, LAB), or any 200-300-level GEOS course with a lab             |

## II. SOCIAL SCIENCE & HUMANITIES ELECTIVES

- E-Studies majors must indicate at least 3 full courses from the list below in either Social Science or Humanities
- E-Science majors must indicate at least 1 full course from the list below in either Social Science or Humanities

| Taken | To be taken | Social Science (SS) Courses:                                                               |
|-------|-------------|--------------------------------------------------------------------------------------------|
| _____ | _____       | EVSS 201 Introduction to Environmental Humanities (elective for EScience majors, F26, S27) |
| _____ | _____       | EVSS 206 Global Environmental History (F26)                                                |
| _____ | _____       | EVSS 212 Logistical Worlds: Nature, Capital, Power (F26)                                   |
| _____ | _____       | EVSS 222 Local vs. Global: Environmental Issues Beyond Borders (TBD)                       |
| _____ | _____       | EVSS/CAST 223 Intro to Native American and Indigenous Studies (F26)                        |
| _____ | _____       | EVSS/ECON 231 Environmental Economics (S27, QFR) (if you have also taken EVSS 208)         |
| _____ | _____       | ECON/EVSS 432: Seminar in Energy and Environmental Economics (F26, QFR)                    |
| _____ | _____       | EVSS 237 Alaska Natives and the Environment (TBD, CD)                                      |
| _____ | _____       | EVSS/CAST 302 American Agricultures (F26)                                                  |
| _____ | _____       | EVSS 306 Trust the Science? Controversies in Environmental Policy (S27)                    |
| _____ | _____       | EVSS 308 Labor and Environmental Politics (TBD)                                            |
| _____ | _____       | EVSS 322 Energy and Society (S27)                                                          |
| _____ | _____       | EVSS 323 Global Environmental Politics (F26)                                               |
| _____ | _____       | EVSS 324 Natural Resources and Conflict (S27)                                              |
| _____ | _____       | EVSS 326 Environmental History of Oceans and Great Lakes (F26)                             |
| _____ | _____       | EVSS/ECON 332 Energy Economics (S27, QFR)                                                  |
| _____ | _____       | EVSS/CAST 339 Indigenous Activism, Environmental Justice, and the State (F26, CD, W-Int)   |
| _____ | _____       | EVSS 354 Practicum in Environmental Communication (S27)                                    |
| _____ | _____       | EVSS 360 Migration, Refugees and Resilience (S27, CD)                                      |
| _____ | _____       | EVSS/CAST 385 Indigenous Nations, Treaty Rights, and the Great Lakes (TBD, CD, W-Int)      |
| _____ | _____       | EVSS 390 Sustainable Cities (F26)                                                          |
| _____ | _____       | EVSS 490 Sust Urban Design Practicum (S27 Second Module)                                   |
| _____ | _____       | PSYC 308 Adv Methods Social Marketing (F26)                                                |
| _____ | _____       | SOCI 241 American Urbanism: From Hogtown to Smogtown (F26)                                 |

|              |                    |                                                                                           |
|--------------|--------------------|-------------------------------------------------------------------------------------------|
|              |                    | SOCI 284 Environmental Sociology (F26)                                                    |
| <b>Taken</b> | <b>To be taken</b> | <b>Humanities (HU) Courses:</b>                                                           |
|              |                    | FOOD 101OC Intro to Food Studies (F26)                                                    |
|              |                    | EVSS 209OC Black Ecologies and Environmental Justice (S27)                                |
|              |                    | EVSS 219 Climate Change: Ethics, Equity, Narratives (S27)                                 |
|              |                    | EVSS/CAST 339 Indigenous Activism, Environmental Justice, and the State (F26, CD, W-Int)  |
|              |                    | EVSS 395 History of Climate Change (TBD)                                                  |
|              |                    | EVSS 414 Environmental Justice Methodologies (TBD)                                        |
|              |                    | CAST 350 War Ecologies: Militarisms, Technoscience, and the Environment (TBD)             |
|              |                    | CMPL 312 Deserts, Islands, Forests: Environmental Imaginaries from the Global South (TBD) |
|              |                    | DANC 203 Somatic Landscapes (S27)                                                         |
|              |                    | DANC 239 Site Specific Dance (S27)                                                        |
|              |                    | EAST 249 Green Japan: Nature in Japan's Arts and Literature (TBD)                         |
|              |                    | ENGL 105 Literature and Environmentalism (F26)                                            |
|              |                    | ENGL 302 The Wild West, the New West, and the Weird West (S27)                            |
|              |                    | ENGL 314: Queer Ecologies (F26) (W-INT)                                                   |
|              |                    | GERM 260 Media Ecologies (TBD)                                                            |
|              |                    | HIST/EAST 294 Environmental History of China (F26)                                        |
|              |                    | HIST/EAST 364 You Are What You Eat and Wear: Global Crops (TBD)                           |
|              |                    | HIST/EAST 436 Science and Technology in Early Modern and Modern East Asia (S27)           |

### III. NATURAL SCIENCE ELECTIVE

- *E-Science* majors must take at least 3 courses from the list below including at least one at the 300 level. A total of at least five NS courses must have labs (inclusive of core courses which typically provide four lab credits)
- *E-Studies* majors must take at least one NS course with a lab, either from core courses or from the list below.
- Any GEOS course that counts towards the Geology major. Indicate which one (e.g. "GEOS 361 S27"). The following GEOS courses fulfill lab requirements: 201, 204, 206, 212, 320, 340, 361
- EVSS 316, EVSS 340, BIOL 323 all accept BIOL 103 as the BIOL prerequisite

|              |                    |                                                                                                 |
|--------------|--------------------|-------------------------------------------------------------------------------------------------|
| <b>Taken</b> | <b>To be taken</b> |                                                                                                 |
|              |                    | EVSS 245 Planetary Health (F26)                                                                 |
|              |                    | †*EVSS 316 Ecosystem Ecology and Climate Change (F27, LAB, QFR, Research Methods)               |
|              |                    | EVSS 336 Practicum in Agroecology at the George Jones Farm, Part 1 (S27, 0.5 course credit)     |
|              |                    | EVSS 337 Practicum in Agroecology Part 2 (F26, 0.5 course credit)                               |
|              |                    | †*EVSS 340 Systems Modeling, Thinking (F26, QFR)                                                |
|              |                    | EVSS 347 Air Quality and Climate Change (SP27, QFR)                                             |
|              |                    | EVSS 348 Environmental Data Science (F26, LAB, QFR)                                             |
|              |                    | *BIOL 323 Plant Systematics (S27, LAB)                                                          |
|              |                    | †BIOL 343 Plant Ecology (TBD, LAB)                                                              |
|              |                    | BIOL 345 Invertebrate Biology (TBD, LAB)                                                        |
|              |                    | †BIOL 419 Seminar: Global Change Ecology (TBD)                                                  |
|              |                    | *CHEM 208 Environmental Chemistry (F26, QFR) 4 credits                                          |
|              |                    | *CHEM 211 Analytical Chemistry (F26, LAB, QFR)                                                  |
|              |                    | Any GEOS course that counts towards the Geology major. Indicate which one (e.g. "GEOS 361 S28") |
|              |                    | NSCI 103 Foundations of Global Health - Addressing Health Inequities (FA26)                     |
|              |                    | NSCI 108 Environmental Chemicals in Human Health (TBD)                                          |
|              |                    | PHYS 103 Elementary Physics I (F26, LAB, QFR)                                                   |
|              |                    | PHYS 110 Mechanics and Relativity (F26, LAB, QFR)                                               |

### IVa. RESEARCH METHODS COURSES FOR E-STUDIES ONLY

*E-Studies* majors must take at least one research methods course that relates to their pathway

*E-Studies* majors can choose to fulfill this requirements with course immediately below OR with a quantitative research methods course

|              |                    |                                                                             |
|--------------|--------------------|-----------------------------------------------------------------------------|
| <b>Taken</b> | <b>To be taken</b> |                                                                             |
|              |                    | ARTH 299 Methods of Art History (S27, W-Adv)                                |
|              |                    | CAST 200 Theories and Methods (F26)                                         |
|              |                    | ECON 255 Introduction to Econometrics (F26, S27, QFR)                       |
|              |                    | ENGL 299 Introduction to the Advanced Study of Literature (F26, S27, W-INT) |
|              |                    | PHIL 201 Reason and Argument (S27)                                          |
|              |                    | PSYC 200 Research Methods I (F26, S27)                                      |
|              |                    | PSYC 308 Adv Methods Social Marketing (F26)                                 |

|  |  |                                                                         |
|--|--|-------------------------------------------------------------------------|
|  |  | SOCI 301/302: Social Research Methods Course and Lab (F26 and S27, QFR) |
|  |  | POLT 205 Political Research and Analysis (F26, S27)                     |

#### IVb. QUANTITATIVE RESEARCH METHODS (QRM) COURSES FOR E-SCIENCE OR E-STUDIES STUDENTS

E-Science majors must take at least one research methods course from the list below that relates to their pathway

† indicates course that concurrently count towards multiple requirements (e.g. EVSS 316 fulfills both an NS Elective requirement and QRM)

| Taken | To be taken |                                                                                            |
|-------|-------------|--------------------------------------------------------------------------------------------|
|       |             | †EVSS 316 Ecosystem Ecology and Climate Change (F27, LAB, QFR)                             |
|       |             | †EVSS 340 Systems Modeling and Systems Thinking (F26)                                      |
|       |             | BIOL 302 Developmental Biology Laboratory (S27, LAB)                                       |
|       |             | †BIOL 343 Plant Ecology (F26, LAB)                                                         |
|       |             | BIOL 336 Genomics (TBD)                                                                    |
|       |             | BIOL 340 Eukaryotic Cell Culture Lab (S27, LAB)                                            |
|       |             | BIOL 345 Invertebrate Biology (TBD, LAB)                                                   |
|       |             | BIOL 346 Advanced Molecular Biology (TBD)                                                  |
|       |             | †BIOL 419 Seminar: Global Change Ecology (F26)                                             |
|       |             | *CHEM 211 Analytical Chemistry (F26, LAB, QFR)                                             |
|       |             | CSCI/DATA 373 Applied Machine Learning (F26)                                               |
|       |             | DATA 101 Introduction to Data Science (F26, S27 FC, NSMA, QFR)                             |
|       |             | DATA 113 Introduction to Statistics (F26, S27, QFR)                                        |
|       |             | DATA 201 Data Computing and Visualization (S27, QFR)                                       |
|       |             | DATA 213 Statistical Modeling (S27, QFR)                                                   |
|       |             | DATA 205 Statistics and Modeling (F26, QFR)                                                |
|       |             | EVSS/ECON 231 Environmental Economics (F26, S27, QFR) (if you have also taken EVSS 208)    |
|       |             | GEOS111: At Home in the Critical Zone (F26, QFR, lab)                                      |
|       |             | GEOS112: Rivers of Earth (S27, QFR)                                                        |
|       |             | †GEOS 201 Mineralogy (F26, QFR, LAB)                                                       |
|       |             | †GEOS 204 Evolution of the Earth (S27, QFR, LAB)                                           |
|       |             | †GEOS 206 Earth's Interior (F26, QFR, LAB)                                                 |
|       |             | †GEOS 210 Oceans and Climate (S27, QFR, LAB)                                               |
|       |             | †GEOS 212 Earth Surface Processes (F26, WADV, QFR, LAB)                                    |
|       |             | GEOS 330 Sedimentology and Stratigraphy (F26, QFR, Lab)                                    |
|       |             | †GEOS 335 Interdisciplinary Geographic Information Systems and Cartography (F26, S27, QFR) |
|       |             | †GEOS 361 Petrology (S28, QFR, LAB)                                                        |
|       |             | †GEOS 340 Structural Geology (S27, QFR, LAB)                                               |
|       |             | PSYC 300 Research Methods II (F26, 27)                                                     |

#### COURSES FROM THE ES CHECKLIST ADDENDUM, STUDY AWAY, AND APPROVED TRANSFER CREDITS (if any)

Courses that count towards the ES major that are one-time offerings, not regularly offered, or no longer offered are listed separately on the "ES Checklist Addendum". The Addendum is linked separately on the ES Program website

| Taken | To be taken | Course ID and Title | Major Requirement (Core, SS/HU, NS, LAB, RM, QRM) |
|-------|-------------|---------------------|---------------------------------------------------|
|       |             |                     |                                                   |
|       |             |                     |                                                   |
|       |             |                     |                                                   |
|       |             |                     |                                                   |

#### ADDITIONAL REQUIREMENTS FOR THE E-SCIENCE AND E-STUDIES MAJORS

- At least five full courses completed for either ESS major must be taken at Oberlin; no more than three study away or transfer courses will count towards these majors without special permission from the Director of Environmental Studies and Science. Students planning to study away for more than a single semester must get approval from their advisor and the ESS Program Director.
- Student who take both EVSS 208 and ECON 231 will receive core requirement credit for EVSS 208 and elective SS credit for ECON 231.
- First year seminar program (FYSP) courses do not count toward the majors.
- Private reading (EVSS 995), independent research or honors (EVSS 50X) credit can be counted towards majors. These can total a one full course credit.
- Students earning 5 on the AP Enviro Science exam can choose not to take EVSS 101 but must take an additional SS/HU or NS elective from above.
- Courses in which a student has earned a letter grade lower than a C- cannot be used to fulfill the requirements of the major.
- Courses taken with a P/NP grade can be counted towards the major as long as the student receives a P grade.
- If ESS major requirements change, majors can choose to comply with either requirements in place at the time of their declaration or revised requirements.
- Courses that meet the research methods requirement and are also approved for elective credit are counted towards both requirements (marked with †).
- E-studies majors must take at least one SS/HU or NS elective courses at the 300/400 level. Ideally, this course will be related to the student's pathway.

## PATHWAY MILESTONE DEADLINES

Students are encouraged to draft, share, and discuss the milestone documents listed below with their advisor as early as possible. Templates are included in the "Curricular Pathway Document" posted on the ES Program website. Final deadlines are as indicated below.

| Milestone                 | Draft due to Advisor | Deadline for uploading on ES | Year   |
|---------------------------|----------------------|------------------------------|--------|
| Area of Interest Selected |                      | Time of major declaration    |        |
| Pathway Proposal (1)      | March 15             | April 1                      | Second |
| Capstone Proposal (2)     | March 15             | April 1                      | Third  |
| Pathway Report (3)        | March 15             | April 1                      | Fourth |

### Notes:

1) If declaring the ES major after April 1 of the second year, Pathway Proposals are due at the time of declaration.

2) If declaring the ES major after April 1 of the third year, Capstone Proposals are due at the time of declaration. A capstone proposal must be approved before the project is undertaken!

3) For December and January graduates, the Pathway Report is due no later than December 1.

Once a final draft of each document is approved by a student's advisor, they should upload it to the ES Blackboard site and notify their advisor. Approval will then be entered into academic records and will appear on DegreeWorks.

Pathway Focus Area: \_\_\_\_\_

Student Signature: \_\_\_\_\_  
(name typed in full will serve as your signature)

Date: \_\_\_\_\_

Advisor Signature: \_\_\_\_\_  
(name typed in full will serve as your signature)

Date: \_\_\_\_\_

Director Signature: \_\_\_\_\_  
(name typed in full will serve as your signature)

Date: \_\_\_\_\_