

## Global Ecology Certificate of Achievement Requirements

Students must take and pass the following courses:

\_\_\_ **9<sup>th</sup> Grade:** Global Hon US History, Global Env Sci Biology, Global AP Seminar

\_\_\_ **10<sup>th</sup> Grade:** Global AP NSL, Global Hon Chemistry

\_\_\_ **11<sup>th</sup> Grade:** Global AP World History, Global Physics OR AP Physics 1 & 2

\_\_\_ **12<sup>th</sup> Grade:** Global AP Environmental Science

\_\_\_ **Global electives** required for your certificate depend on the certificate pathway you choose.

1. \_\_\_ **Project Lead the Way pathway:** do not need to take any additional electives beyond the five PLTW courses.
2. \_\_\_ **Capstone pathway:** need 2.0 Global electives + AP Research (12th gr.)
3. \_\_\_ **Internship pathway:** need 1.5 Global electives in addition to taking Research B (0.5 credits) their senior year.

Course offerings that fulfill the Global elective requirement include the following courses, listed with their credits earned.

**Math:** AP Statistics (1.0)

**Science:** AP Biology (2.0), AP Chemistry (2.0), AP Physics C (2.0), Marine Biology (0.5), Cellular Physiology (0.5), Intro to Genetics (0.5), Organic Chemistry (0.5), Analytical Chemistry (0.5), Thermodynamics (0.5), Quantum Physics (0.5), Anatomy & Physiology (1.0) *(All Global students take AP Environmental Science their senior year; this is a magnet program requirement, not a magnet elective.)*

**Social Studies:** AP Human Geography, AP Psychology, AP Micro/Macro Economics, AP European History, Comparative Religion\* (0.5), Ethnic Studies\* (1.0), Ancient and Medieval History\* (0.5), LGBTQ+ Studies\* (0.5), Law\* (0.5 or 1.0), Global Issues\* (0.5), Military History\* (0.5), Philosophy\* (0.5), Sociology\* (0.5 or 1.0)

\*To count as a magnet elective, these courses must be completed with a magnet elective project, an independent study that encourages students to engage more deeply with a topic covered in the regular course curriculum. Further study will include the following:

- college-level research in a topic within the course,
- development of an Inquiry Proposal stating the research question, method and goals of the independent work, accompanied by an annotated bibliography of sources,
- conferences with the Head of House to check progress,
- a final project which communicates the findings of the student's in-depth study in a creative format.

Once all criteria are met, the Head of House will indicate that the student has earned the Global elective credit.