

Sustainability, Energy and the Environment: A New Minor

Robert Brecha
Univ. of Dayton
Physics Dept.

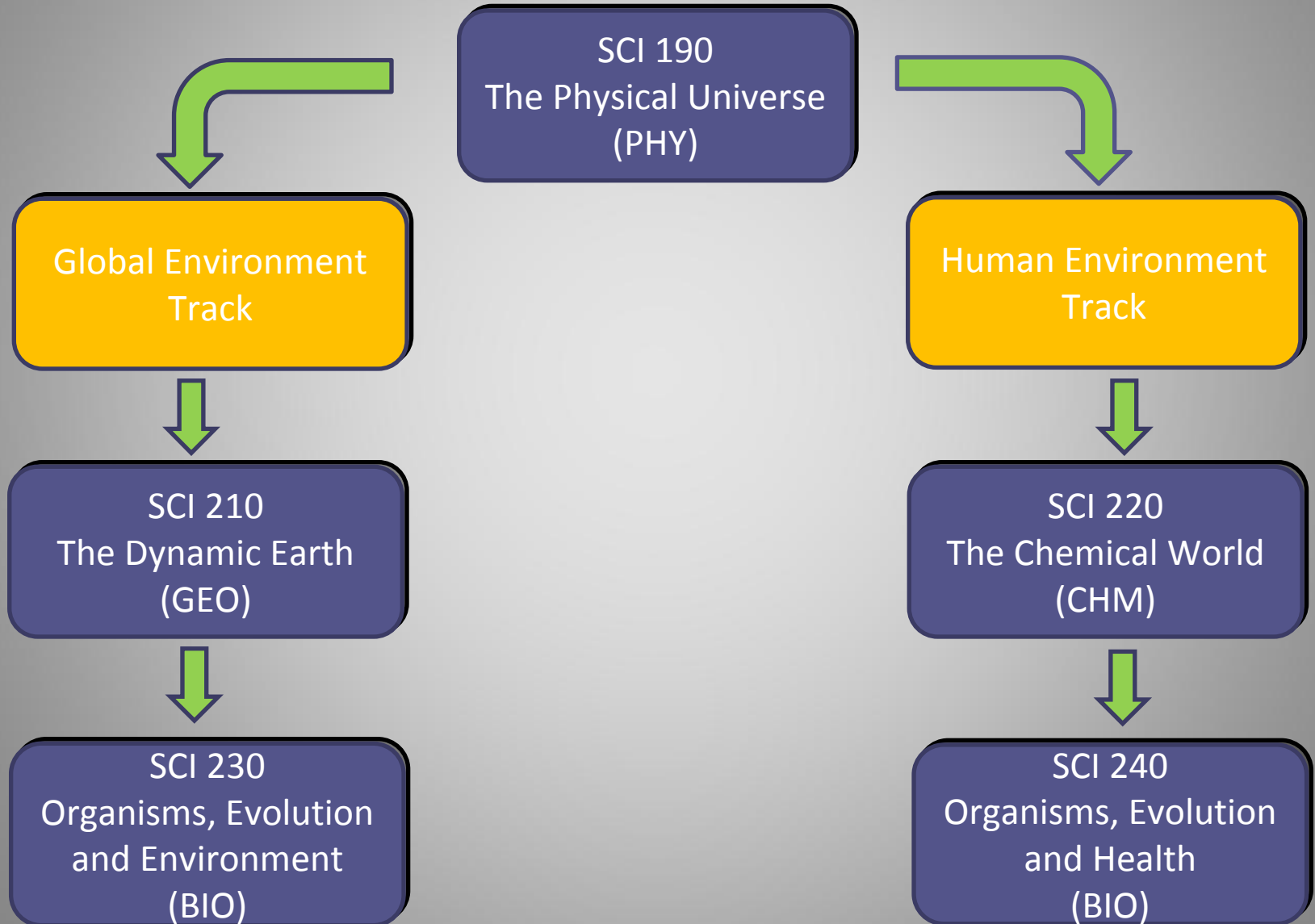
Sustainability, Energy and Environment
initiative



Integrated Natural Science Sequence (INSS)

- All B.A. students take 11 hours (3 lecture, 2 lab) of natural sciences
- Common themes: energy, Evolution and Environment
- Two tracks: Global Environment and Human Environment
- Courses are given SCI designation, not BIO, GEO, PHY, CHM

Block Diagram of Tracks



Mechanical and Aerospace Engineering – Energy Systems Concentration

- MEE is one of the largest departments on campus (450 undergraduates)
- Concentration in place since 2008
- Approximately 20-25% of students are following or interested in the Energy Systems concentration
- Appears to be an attractive option for female students (from 10% of MEEs to 25%)
- Good recruiting tool for prospective students

Sustainability, Energy and the Environment Minor

Not required, but a potential entry into the minor

SEE LLC courses
PHL 103
ENG 114



SEE 250
Introduction to
Sustainability, Energy
and the Environment

SEE
introductory
course
(3 ch)

SEE core courses – choose at least two (6 -9 ch)

SEE 301
Global Change and
Earth Systems*

ASI 320
Cities and
Energy

SEE 303
Constructions of
Place

ASI 322/323/324
Cities, Suburbs and
Sustainability

Depth requirements (6 - 9 ch) - (at least one course will involve a substantial research and/or community engagement experience)

Two listed courses
selected to provide
depth in one area
(approval of SEE
director)

or

SEE 401, SEE 402
Sustainability
Research

or

SEE 477, SEE 478
Honors thesis

or

ASI 345 – River
Leadership
Curriculum