

**The Ohio State University
College of Arts and Sciences**
Sustainable and Resilient Social and Ecological Systems (SARSES) Certificate (SRSES-CR; 1A, 1B, 2)

Advising Staff Contact:

Cameron Beason, Undergraduate Advisor for Anthropology
4060 Smith Laboratory Columbus, OH 43210
beason.11@osu.edu, (614)292-6961

Faculty Contact:

Anna Willow, Professor/Marion Campus
Department of Anthropology
350B Morrill Hall Marion, OH 43302
willow.1@osu.edu, (740)725-6259

The Sustainable and Resilient Social and Ecological Systems (SARSES) program is an interdisciplinary certificate designed to give students a deep appreciation of the relationship between multiple systems and inform their participation in a wide variety of sustainability-related fields. Upon completion of the academic certificate in Sustainable and Resilient Social and Ecological Systems, learners will be better prepared to understand the systemic interconnections between physical earth systems, ecosystems, and human systems and apply this understanding to the development of sustainable systems in their future work and/or studies.

Important Notes:

Students are encouraged to take Anthropology 3050 before moving on to other requirements. Anthropology 3051 should be taken at the end of the certificate program.

The SARSES certificate requires a minimum of 14 credits drawn from diverse departments and distributed as follows:

Required foundation (1 course; 4 CH):

- ANTHROP 3050: Social and Ecological Systems: From Problems to Prospects (4)

Electives (3 courses; 9 CH)

Choose 1 course from 3 of the following 4 categories:

A 2000+ level **Ecosystems** course:

- *EEOB 4240: Focused Study of Ecology and Evolution - Plants and People (3)
- *EEOB 4410: Conservation Biology (3)
- ENR 2100: Introduction to Environmental Science (3)
- ENR 3322: Forest Ecosystems (3)
- GEOG 3980: Biogeography: An Introduction to Life on Earth (3)
- HCS 2201: Ecology of Managed Plant Systems (4)

A 2000+ level **Earth Systems** course:

- EARTHSCI 2203: Environmental Geoscience (3)
- GEOG 2800: Our Global Environment (3)
- GEOG 2960: Introduction to Physical Geography (4)
- GEOG 3900: Global Climate Change: Causes and Consequences (3)

A 2000+ level **Environmental Social Science** course:

- *AEDECON 2500: Introduction to Environment, Economy, Development, and Sustainability (3)
- *AEDECON 4330: The Sustainable Economy: Concepts and Methods (3)
- *ANTHROP 3623: Environmental Anthropology (3)
- ANTHROP 4597.03H: The Prehistory of Environment and Climate (3)
- ARCH 2220: Sustainability and the Built Environment (3)
- *CRPLAN 3000: Planning Resilient Environments (3)
- ENR 2300: Society and Natural Resources (3)
- *ENR 3200 Environmental and Natural Resource Policy (3)
- *ENR 3400: Psychology of Environmental Problems (3)
- ENR 3530: Women, Environment and Development (3)
- GEOG 3800: Geographical Perspectives on Environment and Society
- PUBHEHS 5320: Climate Change and Human Health (3)
- SOCIOL 3460: Environmental Justice (3)

A 2000+ level **Environmental Humanities** course:

- ENGLISH 3597.03: Environmental Citizenship (3)
- *ENGLISH 4321: Environmental Literatures, Cultures, and Media (3)
- *HISTORY 2700: Global Environmental History (3)
- *HISTORY 2704: Water: A Human History (3)
- *HISTORY 3700: American Environmental History (3)
- PHILOS 2342: Environmental Ethics (3)

Required Capstone: (1 course, 1 CH):

- ANTHROP 3051: SARSES Capstone Portfolio (1)

*indicates courses that may have prerequisites, please consult the course catalog for details

SARSES Certificate Program Guidelines:

Credit hours required: A minimum of 14 CH.

Overlap with courses in degree:

- The certificate must be in a different subject than the major
- Maximum 50% overlap with courses in a major, minor, other certificate, or GE

Grades required:

- Minimum C- for a course to be listed on the certificate
- Minimum of 2.00 cumulative GPA for all certificate course work

X193 credits: Not permitted

Approval required:

- The certificate course work must be approved by a college/school advisor. Students are encouraged to work with the advisors early in the process of pursuing this certificate in order to plan the most efficacious path to completion.

Consult with Advisor:

- For filing deadlines
- For changes or exceptions to a certificate plan

College of Arts and Sciences
Curriculum and Assessment Services
306 Dulles Hall, 230 Annie & John Glenn Ave.
<http://artsandsciences.osu.edu>
Approved CAA 10-5-22
Updated 09-17-2024 RLS