

**The Ohio State University
College of Arts and Sciences
Wicked Science Certificate – Type 1a, 1b, and 2**

Advising Contacts:

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The purpose of the certificate is to train students to become wicked scientists – researchers with the skills and attitudes to tackle wicked problems. This entails that students use a systems-thinking approach that seriously considers the roles, interests, and perspectives of stakeholders, learn to collaborate effectively with stakeholders and team members from diverse backgrounds and experiences, be able to communicate scientific research and ideas to diverse audiences and through different modalities, meet ethical, collegial, and professional expectations and standards in collaborative research and other professional endeavors, and articulate a sense of purpose and develop competencies, skills, and habits that prepare them for life-long learning about and engaging with wicked problems.

The Wicked Science certificate requires a minimum of 12 credits as follows:

Three core courses (all required):

ANTHROP/EEOB 5505: Wicked Science (3 CH),
EEOB/ANTHROP/ENR/VETPREV 5510: Interdisciplinary Team Science (3 CH), and ANTHROP 5515: Careers for wicked scientists (1 CH).

One of the following two elective courses:

PUBAFRS 5620: Rapid Innovation for Public Impact (4 CH), or DESIGN 5650: Advanced Collaborative Design (3 CH).

One elective course (of 2 or more credits). Possible electives include, but are not limited to:

ENGLISH 3020: Writing about Sustainability (3 CH).
ENGLISH 3304: Business and Professional Writing (3 CH).
CIVILEN 4011: Global Capstone 1 (2 CH).
CIVILEN 4012: Global Capstone 2 (2 CH).
KNOW 2310: Seeing and Making (Studio) (4 CH).

PUBAFRS 2620: Contemporary Issues in Science, Engineering, and Technology Policy (3 CH).
DESIGN 4650: Collaborative Design Studio (3 CH)
ESHESA 2570: Team and Organizational Leadership (3 CH).
ENR/AEDE 4567: Assessing Sustainability: Project Experience (3 CH).
SOCWORK 5018 / HTHRHSC 5000 / PHR 5000 / NURS 5000: Interdisciplinary Case Management for Working with Underserved Populations (2 CH).
GERMAN / SCANDVN 3354: From Viking Saga to Climate Fiction: Nature in Nordic and Germanic Literatures (3 CH).
GEOG 3900: Global Climate Change: Causes & Consequences (3 CH).
COMM 2596: Communicating Science, Health, Environment, and Risk (3 CH).
COMM 3332: Risk Communication (3 CH).
COMM 4240: Science Communication (3 CH).
HISTORY 2701: History of Technology (3 CH).
HISTORY 2703: History of Public Health, Medicine and Disease (3 CH).
AGRCOMM 2330: Public Opinion and Agricultural and Environmental Issues (4 CH).
AGRCOMM 2330 Public Perceptions of Agricultural and Environmental Issue (4 CH).
COMPSTD 2340: Introduction to Cultures of Science and Technology (3 CH).
COMPSTD 4410: Cultural Food Systems and Sustainability (3 CH).

Wicked Science Certificate Program Guidelines

Credit hours required: A minimum of 12.

Overlap with degree program: A student is permitted to overlap up to 50% of credit hours between other degree programs (major, minor, other certificate, or general education) and the certificate program.

Grades required: Minimum C- for a course to be counted on the certificate, and a minimum 2.00 cumulative GPA for all certificate course work.

Certificate approval: The certificate course work must be approved by a College/School advisor.

Consult with advisor for filing deadlines or 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>

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