Fiscal Unit/Academic Org   Philosophy - D0575
Administering College/Academic Group   Arts and Sciences
Co-adminstering College/Academic Group
Semester Conversion Designation   New Program/Plan
Proposed Program/Plan Name   AI Ethics and Society Certificate
Type of Program/Plan   Undergraduate certificate program
Program/Plan Code Abbreviation   AIETHSO
Proposed Degree Title   AI Ethics and Society Certificate

Credit Hour Explanation

Program credit hour requirements	A) Number of credit hours in current program (Quarter credit hours)	B) Calculated result for 2/3rds of current (Semester credit hours)	C) Number of credit hours required for proposed program (Semester credit hours)	D) Change in credit hours
Total minimum credit hours required for completion of program			12	
Required credit hours offered by the unit — Minimum			3	
Maximum			3	
Required credit hours offered outside of the unit — Minimum			3	
Maximum			12	
Required prerequisite credit hours not included above — Minimum				
Maximum				

Program Learning Goals

Note: these are required for all undergraduate degree programs and majors now, and will be required for all graduate and professional degree programs in 2012. Nonetheless, all programs are encouraged to complete these now.

Program Learning Goals

- Students will be able to identify and describe ethical and social problems that emerge from the design and use of artificial intelligence across various contexts (e.g. local, national, transnational and/or global).

- Students will be able to evaluate potential strategies for understanding and addressing these problems, from diverse perspectives.

- Students will be able to reflect on and evaluate their own positions and interests related to the social and ethical problems posed and solved by artificial intelligence.

- Students will be able to synthesize diverse perspectives on the social and ethical needs for and implications of artificial intelligence in various contexts.

Assessment

Assessment plan includes student learning goals, how those goals are evaluated, and how the information collected is used to improve student learning. An assessment plan is required for undergraduate majors and degrees. Graduate and professional degree programs are encouraged to complete this now, but will not be required to do so until 2012.

Is this a degree program (undergraduate, graduate, or professional) or major proposal? No

Status: PENDING

PROGRAM REQUEST
AI Ethics and Society Certificate

Last Updated: Vankeerbergen,Bernadette
Chantal
04/08/2025

Program Specializations/Sub-Plans

If you do not specify a program specialization/sub-plan it will be assumed you are submitting this program for all program specializations/sub-plans.

Pre-Major

Does this Program have a Pre-Major? No

Attachments

- Administering Dept Letter of Support 2.7.2025.pdf: Co-Administering Cover Letter

  (Co-Administering Letter. Owner: Shuster,Amy Lynne)

- AI Ethics and Society Certificate proposal as of 3.28.2025.pdf: Revised AI Ethics and Society Proposal

  (Program Proposal. Owner: Shuster,Amy Lynne)

- Cover Letter re AI Ethics and Society revisions 3.28.2025.pdf: Cover Letter detailing changes

  (Other Supporting Documentation. Owner: Shuster,Amy Lynne)

- All Concurrences for AI Ethics and Society Certificate.pdf: Concurrences

  (Support/Concurrence Letters. Owner: Shuster,Amy Lynne)

Comments

- Please see feedback email sent 03/19/2025 to A. Shuster. *(by Hilty,Michael on 03/20/2025 08:59 AM)*

- College needs to submit this, not us. *(by D'Arms,Edward Justin on 01/28/2025 01:36 PM)*

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Shuster,Amy Lynne	01/28/2025 01:26 PM	Submitted for Approval
Revision Requested	D'Arms,Edward Justin	01/28/2025 01:36 PM	Unit Approval
Submitted	Shuster,Amy Lynne	02/07/2025 02:23 PM	Submitted for Approval
Approved	Lin,Eden	02/16/2025 01:21 PM	Unit Approval
Approved	Vankeerbergen,Bernadette Chantal	02/19/2025 10:47 AM	College Approval
Revision Requested	Hilty,Michael	03/20/2025 08:59 AM	ASCCAO Approval
Submitted	Shuster,Amy Lynne	03/28/2025 02:38 PM	Submitted for Approval
Approved	Lin,Eden	03/29/2025 11:03 AM	Unit Approval
Approved	Vankeerbergen,Bernadette Chantal	04/08/2025 09:16 AM	College Approval
Pending Approval	Jenkins,Mary Ellen Bigler Hanlin,Deborah Kay Hilty,Michael Neff,Jennifer Vankeerbergen,Bernadette Chantal Steele,Rachel Lea	04/08/2025 09:16 AM	ASCCAO Approval

THE OHIO STATE UNIVERSITY

College of Arts and Sciences

Department of Philosophy

University Hall 350
230 N. Oval Mall
Columbus, OH 43210

614-292-7914 Phone

philosophy.osu.edu

March 28, 2025

TO: **Arts and Humanities 1 Subcommittee**
         ASC Curriculum Committee

FROM: **Amy Shuster**
         Academic Program Specialist
         Department of Philosophy

RE: *requested revision of AI Ethics and Society Certificate*

Thank you for your feedback. I consulted with the other members of the drafting committee and the following changes were made to the proposal in response to your feedback.

- **ACCAD 5141 capacity**: They confirm limited space. We anticipate interest in the Certificate among students who are already accommodated within ACCAD. This Certificate offers them a unique opportunity to develop an interdisciplinary understanding of artificial intelligence and computer-assisted design.

- **Coverage of ELOs**: we added a required "core" course and added WGSST as one of the three options for this category. All 3 options for the required core course are mapped to all 4 certificate ELOs, thereby ensuring students have the opportunity to complete each ELO. See page 7 and page 9.

- **Links on pages 3-5 not working**: this has been fixed.

- **Penn State Great Valley program**: the 15 total hours has been clarified as well as the purpose for including this program in the review of benchmarks. See page 3.

- **Summative reflective portfolio missing in Curricular Requirements**: this has been added to the opening description of the certificate in this section of the proposal. See page 6

- **Role of CSE courses in foundational course requirement**: this has been amended and concurrence has been obtained from CSE. See pages 6-7.

- **Revisions to Certificate Advising Sheet**: this has been updated. See page 13.

- **Prerequisites for courses**: the relevant statement has been removed. See page 6.

Other revisions:

- **On Declaration of Completion**: on page 14 => changed tables to refer to required foundational and core courses and then elective courses; added check box to confirm at least 3 different department designators from among the 4 courses; clarified that PebblePad workbook would be shared with the student upon submission of the form.

- **Added WGSST to Interdisciplinary AI Steering Committee**: on page 1 => to reflect core role of the course in the Certificate.

ASC Certificate in AI Ethics and Society

1. Required Information

Name of proposed certificate: AI Ethics and Society Certificate (AIETHSOC-CR).

Certificate Type:
Type 1a, Stand-Alone Undergraduate Academic Certificate: Post-High School Diploma
Type 1b, Embedded Undergraduate Academic Certificate: Post-High School Diploma
Type 2, Stand-Alone Undergraduate Academic Certificate: Post-Bachelor

Instructional Mode: Delivered through in-person classroom instruction of required course and electives.

Proposed implementation date: Autumn 2025

Academic units (e.g., department, college) responsible for administering the certificate program: The Department of Philosophy and the Department of Comparative Studies will co-administer the certificate. The Department of Comparative Studies will provide principal advising support for the AI Ethics and Society certificate, which includes approving Declaration of Completion forms. In the event that the demand for the certificate exceeds the capacity of the advising staff in Comparative Studies, the College of Arts and Sciences will provide additional advising support. The Department of Philosophy will provide a convenor/chair of a newly formed Interdisciplinary AI Steering Committee, which will be comprised of one or two representatives from each of the major contributing units, including (but not limited to): Comparative Studies; Linguistics; Philosophy; and Women's, Gender, and Sexuality Studies. The Interdisciplinary AI Steering Committee will oversee all interdisciplinary certificates in AI in ASC. This committee will meet periodically to monitor enrollment, oversee the implementation of the assessment plan, and vet any new courses to be included in the certificate.

2. Rationale

Advances in artificial intelligence are producing profound and complex effects across multiple central dimensions of human life. Tools and perspectives drawn from many disciplines are needed in order to understand, evaluate, and address these effects. However, traditional approaches to undergraduate education often silo the study of

artificial intelligence into specific fields within the arts, or sciences, or humanities. The purpose of the Undergraduate Certificate Program is to provide students from across the University and outside the University the opportunity to complete a non-technical but otherwise comprehensive program of study of artificial intelligence that is fundamentally interdisciplinary, engaging with multiple perspectives from different fields across the arts, sciences, and humanities. The Undergraduate Certificate Program will offer three different certificates: 1) AI Ethics and Society; 2) AI Language and Mind; and 3) AI, Arts and Design. By completing any one of the three Certificates, students will gain the training and credentialing necessary to become innovative industry leaders and thoughtful citizens who can understand the complex issues around artificial intelligence using diverse perspectives. This proposal focuses upon a certificate in AI Ethics and Society; additional proposals will be submitted for certificates in AI Language and Mind, and AI, Arts and Design.

Rationale for AI Ethics and Society Certificate

When STEM fields train students in the development and application of artificial intelligence and machine learning systems, critical insights from the humanities that specialize in the social and ethical study of science and technology are often left out of the curriculum. For instance, while training in computer science teaches students how to build large language models, such training does not attend to the difficulties that emerge when the training data is biased or when value judgments must be made in either the design or implementation of such models. Similarly, while training in engineering teaches students how to break down large problems into manageable chunks, such training does not account for what social positions and interests are served in focusing upon one part of the problem before another or how the output of the system will be used in society and politics. On the other hand, when humanistic fields teach students how to critically analyze and evaluate artificial intelligence in light of social and ethical concerns, students often lack foundational knowledge and skills about the design of such systems that inhibits their ability to fully understand what is going on "under the hood". There will be an increasing need for thoughtful citizens and industry professionals who understand the intersection of technical, ethical and social considerations posed by artificial intelligence.

The Certificate in AI Ethics, and Society is designed to meet this need at OSU by providing access to a rigorous interdisciplinary curriculum to undergraduate students across the university and outside the University.

Certificate Goal and Learning Outcomes

The goal of the AI Ethics and Society certificate program is to train students to become ethically and socially attuned designers and users of artificial intelligence.

Upon completion of the certificate, students will be able to:

1) Identify and describe ethical and social problems that emerge from the design and use of artificial intelligence across various contexts (e.g. local, national, transnational and/or global)
2) Evaluate potential strategies for understanding and addressing these problems, from diverse perspectives.
3) Reflect on and evaluate their own positions and interests related to the social and ethical problems posed and solved by artificial intelligence.
4) Synthesize diverse perspectives on the social and ethical needs for and implications of artificial intelligence in various contexts.

3. Relationship to Other Programs / Benchmarking

Our research into peer institutions found that many are in the process of building capacity for an interdisciplinary undergraduate curriculum, but none yet offer a comparable undergraduate program of study. Of course, many peer institutions have undergraduate coursework and programs of study related to artificial intelligence, but these are mostly housed in Computer Science departments or Engineering colleges.

A few peer institutions offer online curricular programs that resemble our proposal, including:

- Artificial Intelligence Foundations Certificate at University of Maryland Global Campus (link): an entirely online certificate which offers non-technical professionals "a comprehensive understanding of AI…[including] ethical considerations and broader implications of AI within the workplace and society". This offers the closest approximation of the certificate outlined in this proposal.

- Foundations of AI, Machine Learning, and Deep Learning Certificate at Penn State University Great Valley (link): a five-week online course comprising 15 total hours

and 1.5 continuing education units (CEUs), which includes some content on "understanding biases and fairness of AI" and "responsible AI practices."[1]

- Artificial Intelligence Microcredentials at Purdue University ([link](#)): "online courses that cover the fundamentals of artificial intelligence and its applications," including how to design "ethical, responsible, and human-centered AI solutions to address global problems," "AI policy and governance", "data storytelling as an ethical choice."

- AI Boot Camp through the College of Engineering at Michigan State University ([link](#)) and through Northwestern University ([link](#)): a 24-week online program for working professionals to learn the fundamentals of programming and data preparation for AI, machine learning fundamentals and AI ethics, and natural language processing and AI applications. While this program includes some consideration for AI ethics, it does not offer the multidisciplinary curriculum outlined in this proposal.

- AI Bootcamp at Rutgers University ([link](#)): a 24-week online program for working professionals with an AI Ethics curriculum that includes topics such as "Legal and Ethical Considerations, Data Reproducibility, Algorithmic Bias, Data Privacy Regulations."

Several peer institutions offer science and technology studies but do not focus specifically upon artificial intelligence. Consider, for instance:

- Integrated Studies in Science, Engineering, and Society Undergraduate Certificate Program (ISSuES) at University of Wisconsin-Madison ([link](#)): "designed to help engineering and natural science majors fulfill their liberal arts requirements, but is highly flexible and is available to all undergraduate students interested in exploring the complex interplay between science, technology, engineering and society." Students take one required course entitled "Where Science Meets Society" and then 3 more courses from one of the following focus areas: Ethics, Leadership, Design, General.

---

[1] This program is also currently offered at other Penn State University branch campuses (e.g. Scranton). We offer Great Valley as an example, one that the Interdisciplinary AI Steering Committee should keep an eye on for future benchmarking purposes.

A few peer institutions offer an AI ethics certificate or minor, but do not include the interdisciplinary approach of our proposed curriculum:

- Ethics of AI Certificate at University of Illinois Urbana-Champaign ([link](#)): a three course housed entirely within the Department of Philosophy.

A few peer institutions offer a multidisciplinary minor or major with at least some substantial focus on artificial intelligence but do not include the intersection of these issues in society like in our proposal:

- Cognitive Science minor at University of Minnesota-Duluth ([link](#)): an "interdisciplinary attempt to understand the mind, especially the human mind (with the prospect of creating artificial minds coming in a close second)."
- Artificial Intelligence BA at Purdue University ([link](#)): housed in the Department of Philosophy with 15-credit hours of coursework in Computer Science, which includes courses that focus on "the ethics of AI and its role in, and impact on, humanity".

Coursera ([link](#)) has partnered with a variety of institutions around the US to make courses on AI widely available; however, none of these offer substantial focus on AI ethics, or the intersection of AI and society.

The following are research centers related to AI ethics and society, none of which yet offer course work, but the research focus may lead to future curricular initiatives that are worth keeping an eye on as our own curricular efforts develop:

- ESC at University of Michigan ([link](#)): "ESC is a research center and a collective of scholars committed to feminist, justice-focused, inclusive, and interdisciplinary approaches to computing."
- Developing Character for a Digital World at Indiana University ([link](#)): "The goal…is to develop a coherent, integrated approach to incorporating meaningful ethical conversation about digital technology across the curriculum at Indiana University.
- Research subareas in AI & Society and AI & Ethics in the Luddy School of Informatics, Computing and Engineering at Indiana University Bloomington ([link](#)): AI & Society researches "the social implications of AI and developing methods to further positive impact or mitigate negative impact of AI" and AI & Ethics researches "the ethical and societal consequences of AI and investigating how to avoid or mitigate negative outcomes."
- Institute for Ethics and the Common Good at University of Notre Dame has a program entitled Faith-based Frameworks for AI Ethics ([link](#)): "a one-year planning project that will engage and build a network of leaders in higher education,

technology, and a diverse array of faith-based communities focused on developing faith-based ethical frameworks and applying them to emerging debates around artificial general intelligence (AGI)".

- Center for Socially Responsible Artificial Intelligence at Penn State University ([link](#)): "aims to promote, practice and study socially responsible ways of building, deploying and using AI technology, with an emphasis on understanding the social and ethical implications of these activities."

A review of curriculum at OSU indicates that no similar program is currently offered to undergraduate students. While students can study artificial intelligence through our Department of Computer Science, they are not given the opportunity to situate that technical knowledge with humanistic or otherwise interdisciplinary inquiry.

To our knowledge, therefore, we understand that our proposed Certificate in AI Ethics and Society will provide undergraduate students with an innovative curriculum and credentialing option that is uniquely interdisciplinary and competitive among peer institutions in the Big 10 in its interdisciplinary focus on artificial intelligence, ethics, and society.

4. Sources of Student Demand and Expected Enrollment

We anticipate this certificate will attract STEM majors who want to develop critical literacies in humanistic perspectives and Humanities majors who want to develop critical literacies in the nuts-and-bolts design of artificial intelligence.

We anticipate that initially the program will attract 10 to 20 students. We hope that the number of enrolled students stabilizes around 25 to 40 students after the first year.

The program is relevant for and open for students from all colleges across the university as well as students who are currently not enrolled at the university. The OSU majors that will be recruited for this certificate include (by alphabetical order), not a complete list: Comparative Studies (BA in ASC); Computer Science and Engineering (BS CIS in CSE); Computer and Information Science (BA in ASC); Leadership Studies (BA in ASC); Philosophy (BA in ASC); Political Science (BA in ASC); Politics, Philosophy and Economics (BA in ASC); Public Policy Analysis (BS in JGCPA); Social and Environmental Geography (BS in ASC); and Sociology (BA in ASC).

5. Curricular Requirements

Four courses comprise this certificate, a minimum of 12 credit hours, and completion of a summative reflective portfolio. Two courses are required (one foundational and one core) and two additional courses will be selected by the student from a list of electives. At least three different department designators must be represented in the four courses taken in completion of the certificate. Students must have a cumulative GPA of at least 2.0. Advising support for this certificate will be supplied by the Department of Comparative Studies.

Foundational required course: students choose ONE of the following.

Dept & Course #	Course Title	Credit Hours	Type	Current or New?	When offered?
LING 3804	AI Models of Language	3	Required	NEW	Autumn and Spring
CSE 3521	Survey of Artificial Intelligence I: Basic Techniques	3	Required	Current	Autumn and Spring
CSE 5052	Survey of Artificial Intelligence for Non-Majors	3	Required	Current	Autumn and Spring

Core required course: students choose ONE of the following.

Dept & Course #	Course Title	Credit Hours	Type	Current or New?	When offered?
COMPSTD 2340	Intro to Cultures of Science & Technology	3	Required	Current	Autumn
PHILOS 2340	The Future of Humanity	3	Required	Current	Autumn and Spring
WGSST 2900	Data Feminism	3	Required	Current	Autumn

Electives: students choose TWO of the following; choices must be different from the core required course; at least one choice must be from a different department designator than the core required course.

Dept & Course #	Course Title	Credit Hours	Type	Current or New?	When offered?
ACCAD 5141	Interactive Arts Media: IU/UX	3	Elective	Current	Spring
COMPSTD 2340	Intro to Cultures of Science & Technology	3	Elective	Current	Autumn
GEOG 3703	Living with Artificial Intelligence	3	Elective	Current	Autumn or Spring
GEOG 5502	Data Justice and the Right to the Smart City	3	Elective	Current	Spring
LING 3803	Ethics of Language Technology	3	Elective	Current	Spring
PHILOS 2338	Computing Ethics for a Just and Diverse World	4	Elective	Current	Autumn and Spring
PHILOS 2340	The Future of Humanity	3	Elective	Current	Autumn and Spring
WGSST 2900	Data Feminism	3	Elective	Current	Autumn

Sample Program

We anticipate that this certificate will be completed by students over two to three consecutive or non-consecutive semesters.

Here is how a student can fulfill the certificate requirements in two semesters:

    Fall Year 1: LING 3804 and COMPSTD 2340

    Spring Year 1: PHILOS 2338 and GEOG 3703

Here is how a student can fulfill the certificate requires in three semesters:

    Fall Year 1: COMPSTD 2340

    Spring Year 1: LING 3804

    Spring Year 2: PHILOS 2340 and GEOG 5502

Curriculum Map

The first required course is mapped to certificate ELOs as follows:

Course #	Course Title	ELO 1	ELO 2	ELO 3	ELO 4
LING 3804	AI Models of Language	X			
CSE 3521	Survey of Artificial Intelligence I: Basic Techniques	X			
CSE 5052	Survey of Artificial Intelligence for Non-Majors	X			

The second required course is mapped to certificate ELOs as follows:

Course #	Course Title	ELO 1	ELO 2	ELO 3	ELO 4
COMPSTD 2340	Intro to Cultures of Science & Technology	X	X	X	X
PHILOS 2340	The Future of Humanity	X	X	X	X
WGSST 2900	Data Feminism	X	X	X	X

The elective courses are mapped to certificate ELOs as follows:

Course #	Course Title	ELO 1	ELO 2	ELO 3	ELO 4
ACCAD 5141	Interactive Arts Media: IU/UX	X	X	X	
COMPSTD 2340	Intro to Cultures of Science & Technology	X	X	X	X
PHILOS 2338	Computing Ethics for a Just and Diverse World	X	X	X	
PHILOS 2340	The Future of Humanity	X	X	X	X
GEOG 3703	Living with Artificial Intelligence	X		X	X
GEOG 5502	Data Justice and the Right to the Smart City	X	X	X	
LING 3803	Ethics of Language Technology	X		X	X
WGSST 2900	Data Feminism	X	X	X	X

6. Assessment Plan

Assessment Schedule

Each ELO will be assessed *at least* once in a three-year cycle. Assuming that Autumn 2025 will be our first year of offering the certificate, the ELOs will be assessed according to the following schedule:

> AY 2024-2025: ELO (1) and (2)
>
> AY 2025-2026: ELO (4)
>
> AY 2026-2027: ELO (3)

Each ELO will be assessed every year thereafter.

Data Collection

Students will be required to submit a portfolio of coursework they completed for the Certificate and short reflective writing via PebblePad during the semester in which they complete their Certificate coursework (especially if they are not degree-seeking students) or any subsequent semester prior to graduation. This will supply direct measures of the Certificate's ELOs.

Students will download a "workbook" from the Resource Store in PebblePad, which will guide them through the process of constructing, completing, and turning in their portfolio. The first page of this PebblePad workbook will supply an overview of the Certificate ELOs and purpose of completing the portfolio. Subsequent pages in the PebblePad workbook will focus on each ELO, which students will complete. Each page will include the following information or input fields: provide the ELO, provide prompts for students to reflect upon in the "Justification" field of each "artifact", include a place for them to upload coursework (i.e. artifacts) from at least two courses with different department designators that they believe demonstrates their competence with the ELO, and include a place for them to add text to the page wherein they will write a summative statement of at least 250 words reflecting on how the various coursework submitted — as a unit—demonstrates their competence with the ELO. A final page will provide instructions to students about how they can mark the workbook as complete and email a shareable link to the Faculty Program Advisor.

Sample PebblePad Workbook Page

As described in our plan for data collection, students will complete a workbook in PebblePad. The following is sample content for the workbook page for ELO (1).

> Upon completion of the AI Ethics and Society Certificate, you will be able to identify and describe ethical and social problems that emerge from the design and use of artificial intelligence across various contexts (e.g. local, national, transnational and/or global).
>
> Identify the assignments that you completed in Certificate coursework that you think are relevant to this ELO.
>
> > Upload Artifact #1 (required)
> >
> > Upload Artifact #2 (optional)
> >
> > Upload Artifact #3 (optional)
>
> In the Justification field of *each* artifact, respond to the following questions in at least 25 words:
>
> a. What course and what semester did you complete this assignment in?
> b. What do you identify as your most significant learning from completing this assignment?
> c. Is there anything, upon reflection, that you would change or like to refine further?
>
> In a text field on the bottom of the page, include at least a 250-word reflection on the following questions:
>
> 1) Identify and describe *at least* one ethical problem about the design or use of AI that you explored in the uploaded artifact(s).
> 2) Identify and describe *at least* one social problem about the design or use of AI that you explored in the uploaded artifact(s).
> 3) How does context change or impact the problems you identified in (1) and (2)? Describe *at least* two different contexts (e.g. local, national, transnational and/or global).
> 4) How do you think you might use this knowledge and/or skills in the future?

Assessment Methods

Members of the Interdisciplinary AI Steering Committee will assess annually the PebblePad portfolios for the ELO identified in the Assessment Schedule (noted above) according to the following performance levels: Exceeding, Achieving, Developing, Emerging. Students will be considered to have met mastery at or above Achieving. Anonymized data will be summarized by performance level in a table, bar chart, or other appropriate visualization.

Plan for Improving Student Learning

The results of the assessment exercise each year will be discussed at a meeting of the Interdisciplinary AI Steering Committee. If warranted by this data, curricular or instructional changes in the required core course (LING 3804) or electives will be suggested and forwarded to the curricular and/or instructional leads of the relevant course(s) for their consideration. Curricular leads are often Director of Undergraduate Studies; instructional leads are generally an instructor or course convenor. When a significant number of students do not achieve Certificate ELOs over several assessment cycles, an elective might be removed from the list of approved courses.

Faculty Program Advisor: Dr. Maya Cruz (cruz.446@osu.edu)
Academic Advisor: Emily Carpenter (carpenter.438@osu.edu, 614-292-8485)

AI, Ethics and Society certificate program trains students to become ethically and socially attuned designers and users of artificial intelligence. The certificate helps students identify and evaluate ethical and social problems that emerge from the design and use of artificial intelligence as well as forecast the social and ethical needs for artificial intelligence in a variety of contexts.

Required foundational course: (1 course; 3 CH)
Choose 1 course from the options below:
LING 3804: AI Models of Language (3 CH)
CSE 3521: Survey of Artificial Intelligence I: Basic Techniques (3 CH)
CSE 5052: Survey of Artificial Intelligence for Non-Majors (3 CH)

Required core course: (1 course; 3 CH)
Choose 1 course from the options below:
COMPSTD 2340: Intro to Cultures of Science & Technology (3 CH)
PHILOS 2340: The Future of Humanity (3 CH)
WGSST 2900: Data Feminism (3 CH)

Elective courses: (2 courses; min 6 CH)
Choose 2 courses from the options below; at least one must be from a different department designator than the core course.
ACCAD 5141: Interactive Arts Media: IU/UX (3 CH)
COMPSTD 2340: Intro to Cultures of Science & Technology (3 CH)
PHILOS 2338: Computing Ethics for a Just and Diverse World (4 CH)

Elective courses (*continued*):
PHILOS 2340: The Future of Humanity (3 CH)
GEOG 3703: Living with Artificial Intelligence (3 CH)
GEOG 5502: Data Justice and the Right to the Smart City (3 CH)
LING 3803: Ethics of Language Technology (3 CH)
WGSST 2900: Data Feminism (3 CH)

Portfolio: During the term in which they will complete their 12 credit hours, students must complete a reflective portfolio on their coursework through a PebblePad workbook which will be shared through the PebblePad Resources Store upon declaring the certificate.

AI Ethics and Society Certificate Guidelines

Credit hours required: A minimum of 12 CH.

Overlap with the courses in degree:
• 100% permitted overlap with courses in a major, minor or other certificate, or GE.

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

X193 credits – Not permitted.

Declaring the certificate and approval of coursework
It is the student's responsibility to consult with an advisor and ensure that appropriate paperwork is submitted by the relevant deadlines.

---

[2] Or another SIS certificate code assigned by University Registrar.

COLLEGE OF ARTS AND SCIENCES

AI Ethics and Society Certificate
Declaration of Completion

Student Name: _____

Student OSU Email: _____

Student ID #: _____

Certificate Advisor Name: _____

REQUIRED FOUNDATIONAL AND CORE COURSES (2 courses, 6 credit hours)

Department Designator & Course #	Course Title	Credit Hours	Course Grade	Term Completed

ELECTIVE COURSES (2 courses, 6 credit hours)

Department Designator & Course #	Course Title	Credit Hours	Course Grade	Term Completed

ADVISOR APPROVAL OF COURSE SUBSTITUTIONS: _____

❑ Confirm at least 3 different department designators among the 4 courses.
❑ Submission of portfolio
Students must complete a Certificate workbook in PebblePad during the term in which they will complete their courses for the certificate. Workbook will be shared through Resources Store upon submission of this form

Date Submitted: _____

CERTIFICATE ADVISOR SIGNATURE: _____

DATE: _____

February 7, 2025

To Whom It May Concern:

Please find attached a proposal for a new undergraduate Certificate in AI Ethics and Society and the associated concurrences.
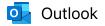
Sincerely,

Justin D'Arms
Interim Chair, Department of Philosophy

Hugh Urban
Chair, Department of Comparative Studies

RE: AI Ethics and Society certificate concurrance request

From Guatelli-Steinberg, Debra <guatelli-steinberg.1@osu.edu>
Date Wed 12/18/2024 12:21 PM
To Martin, Andrew <martin.1026@osu.edu>
Cc Vankeerbergen, Bernadette <vankeerbergen.1@osu.edu>

The Anthropology Department gives concurrence.

Thanks! Happy Holidays!

Debbie Guatelli-Steinberg, Ph.D.
Professor
Department of Anthropology
The Ohio State University

From: Martin, Andrew <martin.1026@osu.edu>
Sent: Wednesday, December 18, 2024 11:28 AM
To: _ASC NMS UG Directors <ASC-NMS-UG-Directors@osu.edu>; _ASC SBS UG Directors <ASC-SBS-UG-Directors@osu.edu>; _ASC AH UG Directors <ASC-ah-ug-directors@osu.edu>
Cc: Vankeerbergen, Bernadette <vankeerbergen.1@osu.edu>
Subject: AI Ethics and Society certificate concurrance request

Hello everyone
As some of you may be aware, a number of units in the college are working on a set of AI certificates for students. The three currently in progress include: 1) AI and Ethics, 2) AI and Language, and 3) AI and Creativity. These certificates will provide students with the opportunity to enhance their degree with specific skills and knowledge around the application of artificial intelligence.

Because of the broad nature of these certificates and interest in general around AI, we are asking that each unit in the college provide concurrence. Such concurrence also indicates strong college backing of these initiatives. These certificates can also be a model if others are interested in developing an AI related certificate in their subject area.
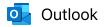
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Best
Andrew

![The Ohio State University logo] THE OHIO STATE UNIVERSITY

Andrew W. Martin

Re: AI Ethics and Society certificate concurrance request

From Andrews, Adam <andrews.171@osu.edu>
Date Wed 12/18/2024 12:28 PM
To Martin, Andrew <martin.1026@osu.edu>

Andrew,

I see no conflicts with any current or planned Biology programming, so the CLSE happily gives concurrence for this proposal.

Regards,
Adam

THE OHIO STATE UNIVERSITY
CENTER FOR LIFE SCIENCES EDUCATION

Adam L. Andrews
Assistant Director for Curriculum & Instruction
College of Arts and Sciences | Center for Life Sciences Education

240D Jennings Hall, 1735 Neil Avenue, Columbus, OH 43210
(614) 247-6345 Office / (614) 292-4390 Fax
andrews.171@osu.edu clse.osu.edu

From: Martin, Andrew <martin.1026@osu.edu>
Date: Wednesday, December 18, 2024 at 11:28 AM
To: _ASC NMS UG Directors <ASC-NMS-UG-Directors@osu.edu>, _ASC SBS UG Directors <ASC-SBS-UG-Directors@osu.edu>, _ASC AH UG Directors <ASC-ah-ug-directors@osu.edu>
Cc: Vankeerbergen, Bernadette <vankeerbergen.1@osu.edu>
Subject: AI Ethics and Society certificate concurrance request

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Best

THE OHIO STATE UNIVERSITY

College of Engineering

Jeremy Morris
Assistant Professor of Practice
Dept. of Computer Science & Engineering

395 Dreese Labs
2015 Neil Avenue
Columbus, OH 43210-1277

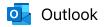614-688-5610 Phone
614-292-2911 Fax

morris.343@osu.edu

January 17, 2025
To: Andrew Martin, Associate Dean of Undergraduate Education, College of Arts & Sciences
Re: AI Ethics & Society certificate concurrence

The CSE Undergraduate Studies Committee has reviewed proposal for the AI Ethics & Society certificate from the College of Arts & Sciences and has unanimously voted to give concurrence for this certificate.

Sincerely,

Jeremy Morris
Assistant Professor of Practice
CSE Undergraduate Studies Chair
Computer Science & Engineering

Re: AI Ethics and Society certificate concurrance request

From Grinstead, John <grinstead.11@osu.edu>

Date Wed 12/18/2024 12:29 PM

To Romero, Eugenia <romero.25@osu.edu>; Martin, Andrew <martin.1026@osu.edu>

Dear Dean Martin,

I hope you are having a good beginning to your break.

The Department of Spanish and Portuguese concurs with this course proposal.

Best wishes,

John
--
John Grinstead (he/him/his)
Professor & Chair
Department of Spanish & Portuguese
The Ohio State University
298 Hagerty Hall – 1775 College Road
Columbus, OH. 43210-1340
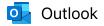(614) 292-8856
http://u.osu.edu/langlab/

I acknowledge the Shawnee, Potawatomi, Delaware, Miami, Peoria, Seneca, Wyandotte, Ojibwe and Cherokee peoples as the traditional land caretakers of central Ohio. https://odi.osu.edu/land-acknowledgment

From: Martin, Andrew <martin.1026@osu.edu>
Date: Wednesday, December 18, 2024 at 11:28 AM
To: _ASC NMS UG Directors <ASC-NMS-UG-Directors@osu.edu>, _ASC SBS UG Directors <ASC-SBS-UG-Directors@osu.edu>, _ASC AH UG Directors <ASC-ah-ug-directors@osu.edu>
Cc: Vankeerbergen, Bernadette <vankeerbergen.1@osu.edu>
Subject: AI Ethics and Society certificate concurrance request

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Re: AI Ethics and Society certificate concurrance request

From Hewitt, Elizabeth <hewitt.33@osu.edu>

Date Sat 1/11/2025 11:56 AM

To Martin, Andrew <martin.1026@osu.edu>

Hi Andrew,
This is a little late, but just wanted to let you know that English gives concurrence!
Beth

From: Martin, Andrew <martin.1026@osu.edu>
Date: Wednesday, December 18, 2024 at 11:28 AM
To: _ASC NMS UG Directors <ASC-NMS-UG-Directors@osu.edu>, _ASC SBS UG Directors <ASC-SBS-UG-Directors@osu.edu>, _ASC AH UG Directors <ASC-ah-ug-directors@osu.edu>
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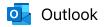
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Best
Andrew

THE OHIO STATE UNIVERSITY

Andrew W. Martin
Associate Dean for Undergraduate Education
Professor of Sociology
114 University Hall, 230 North Oval Mall
Columbus, OH 43210
614-247-6641 Office
martin.1026@osu.edu

RE: AI Ethics and Society certificate concurrance request

From Ruiz, Natividad <ruiz.82@osu.edu>

Date Sun 12/22/2024 2:30 PM

To Martin, Andrew <martin.1026@osu.edu>

Hi Andrew,

The Department of Microbiology grants concurrence for this certificate.

Enjoy the break and happy holidays,

Natacha

Natividad Ruiz, PhD
Professor
Vice Chair for Teaching and Undergraduate Affairs
Department of Microbiology
The Ohio State University

From: Martin, Andrew <martin.1026@osu.edu>
Sent: Wednesday, December 18, 2024 11:28 AM
To: _ASC NMS UG Directors <ASC-NMS-UG-Directors@osu.edu>; _ASC SBS UG Directors <ASC-SBS-UG-Directors@osu.edu>; _ASC AH UG Directors <ASC-ah-ug-directors@osu.edu>
Cc: Vankeerbergen, Bernadette <vankeerbergen.1@osu.edu>
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Best
Andrew

THE OHIO STATE UNIVERSITY

Department of Near Eastern and South Asian Languages and Cultures

300 Hagerty Hall
1775 College Rd.
Columbus, OH 43210
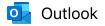
614-292-9255 Phone

nesa.osu.edu

January 3, 2025

Dear Andrew,

The Department of Near Eastern and South Asian Languages and Cultures is
happy to offer concurrence to the AI Ethics and Society Certificate.

Thank you,

Ila Nagar
Ila Nagar
Associate Professor of South Asian Studies
Director of Undergraduate Studies
Department of Near Eastern and South Asian Languages and Cultures
The Ohio State University

Re: AI Ethics and Society certificate concurrance request

From Shabel, Lisa <shabel.1@osu.edu>

Date Wed 12/18/2024 2:44 PM

To Martin, Andrew <martin.1026@osu.edu>

Cc Vankeerbergen, Bernadette <vankeerbergen.1@osu.edu>

Thanks, Andrew. Philosophy concurs.
All best,
Lisa

From: Martin, Andrew <martin.1026@osu.edu>
Date: Wednesday, December 18, 2024 at 11:28 AM
To: _ASC NMS UG Directors <ASC-NMS-UG-Directors@osu.edu>, _ASC SBS UG Directors <ASC-SBS-UG-Directors@osu.edu>, _ASC AH UG Directors <ASC-ah-ug-directors@osu.edu>
Cc: Vankeerbergen, Bernadette <vankeerbergen.1@osu.edu>
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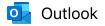
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Best
Andrew

THE OHIO STATE UNIVERSITY

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Associate Dean for Undergraduate Education
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114 University Hall, 230 North Oval Mall
Columbus, OH 43210
614-247-6641 Office
martin.1026@osu.edu

Outlook

Re: AI Ethics and Society certificate concurrance request

From Tuxbury-Gleissner, Philip <tuxbury-gleissner.1@osu.edu>

Date Thu 1/2/2025 4:52 PM

To Martin, Andrew <martin.1026@osu.edu>

Cc Vankeerbergen, Bernadette <vankeerbergen.1@osu.edu>; Brintlinger, Angela <brintlinger.3@osu.edu>

Dear Andrew,

Happy New Year! Thank you for sharing this proposal! Slavic and East European Languages and Cultures is giving concurrence for AI and Ethics. We'd have to see the other ones to assess if there are some larger issues for language teaching, for instance.

But, as per VI.B.4. in the ASCC, this simply indicates that we do not consider it an encroachment on content or enrollment. It is not an active endorsement of the certificates, which your email seems to have been asking for ("strong college backing of these initiatives"). I think that would be a bigger question that might involve CLLC or our division, and could probably not be provided through the concurrence process.

All best,
Philip

Philip Tuxbury-Gleissner
Assistant Professor
Slavic and East European Languages and Cultures

Resilient Kitchens: American Immigrant Cooking in a Time of Crisis (Rutgers University Press, 2023). (Coupon code for 30% discount: RFLR19)
KVIR_IZDAT Queer Publishing in Russia(n)

The Ohio State University
College of Arts and Sciences
Slavic and East European Languages and Cultures
361 Hagerty Hall
1775 College Rd., Columbus, OH 43210
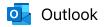609-423-9751 Cell
gleissner.4@osu.edu

THE OHIO STATE UNIVERSITY

Book time to meet with me

From: Martin, Andrew <martin.1026@osu.edu>
Sent: Wednesday, December 18, 2024 11:28 AM
To: _ASC NMS UG Directors <ASC-NMS-UG-Directors@osu.edu>; _ASC SBS UG Directors <ASC-SBS-UG-Directors@osu.edu>; _ASC AH UG Directors <ASC-ah-ug-directors@osu.edu>
Cc: Vankeerbergen, Bernadette <vankeerbergen.1@osu.edu>
Subject: AI Ethics and Society certificate concurrance request

Hello everyone

Re: AI Ethics and Society certificate concurrance request

From	Lee, Yoonkyung <yklee@stat.osu.edu>
Date	Fri 1/10/2025 2:12 PM
To	Martin, Andrew <martin.1026@osu.edu>
Cc	Hans, Christopher <hans@stat.osu.edu>; Metzger, Thomas <metzger.181@osu.edu>; Kaizar, Elly <kaizar.1@osu.edu>; Peruggia, Mario <peruggia@stat.osu.edu>; Sivakoff, David <dsivakoff@stat.osu.edu>

Hi Andrew,

The curriculum committee of the Department of Statistics is happy to provide our concurrence for the proposed certificate.

Best,
Yoon

Yoonkyung Lee, PhD
Professor of Statistics
Professor of Computer Science and Engineering (by courtesy)
College of Arts and Sciences Department of Statistics
440H Cockins Hall, 1958 Neil Ave, Columbus, OH 43210
614-292-9495 Office
lee.2272@osu.edu

From: Kaizar, Elly <kaizar.1@osu.edu>
Sent: Wednesday, December 18, 2024 3:14 PM
To: Peruggia, Mario <peruggia@stat.osu.edu>; Lee, Yoonkyung <yklee@stat.osu.edu>
Cc: Hans, Christopher <hans@stat.osu.edu>; Metzger, Thomas <metzger.181@osu.edu>
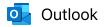**Subject:** Fw: AI Ethics and Society certificate concurrance request

Hi Mario and Yoon,

As you can see, we are being asked to consider concurrence for a new certificate.

Thanks!
Elly

From: Martin, Andrew <martin.1026@osu.edu>
Sent: Wednesday, December 18, 2024 11:28 AM
To: _ASC NMS UG Directors <ASC-NMS-UG-Directors@osu.edu>; _ASC SBS UG Directors <ASC-SBS-UG-Directors@osu.edu>; _ASC AH UG Directors <ASC-ah-ug-directors@osu.edu>
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AI Ethics and Society certificate concurrence request

From Westlake, E.J. <westlake.35@osu.edu>

Date Tue 1/7/2025 7:56 PM

To Martin, Andrew <martin.1026@osu.edu>

Cc Piper, Paige <piper.92@osu.edu>

Dear Dean Martin,

We have reviewed the proposal and we concur. 🙂

E.J.

E.J. Westlake
(she/her or they/them)
Professor and Chair
Department of Theatre, Film, and Media Arts
Theatre and Film Building
1932 College Road
Columbus, OH 43210

 Book time to meet with me

AI Ethics & Society Approval

From Alkhalifa, Ali <alkhalifa.2@osu.edu>
Date Fri 3/28/2025 2:03 PM
To Shuster, Amy <shuster.67@osu.edu>; Cruz, Maya <cruz.446@osu.edu>

Hello Amy & Maya,

Thank you so much for your coordination work regarding the AI Ethics & Society Certificate proposal. WGSS concurs with the proposal and its exciting inclusion of WGSST 2900: Data Feminisms. Please let me know how else WGSS can continue to support both of your work in developing this cutting-edge certificate program.

Best,
Ali

Ali Alkhalifa, MA
Pronouns: he/him or they/them
Education Program Specialist
The Ohio State University
College of Arts and Sciences
Women's, Gender and Sexuality Studies
Office: 286 University Hall, 230 N Oval Mall
Phone: (614) 377-6598
Email: alkhalifa.2@osu.edu