

MICHIGAN STATE UNIVERSITY

Report of
THE UNIVERSITY COMMITTEE ON CURRICULUM
to the Faculty Senate
Actions by UCC
November 20, 2025

The effective date for new programs subject to Statewide Academic Program review is implemented in accordance with the Statewide Academic Program Review calendar.

MICHIGAN STATE UNIVERSITY
University Committee on Curriculum

December 16, 2025

TO: Faculty Senate

This report is prepared and distributed for the following purposes:

1. To report new academic programs, changes in academic programs, discontinuations of academic programs, new courses, permanent changes in courses, and deletions of courses.
2. To notify the initiating colleges, schools, and departments of approval by the University Committee on Curriculum of their requests for new academic programs, changes in academic programs, discontinuations of academic programs, new courses, permanent changes in courses, and deletions of courses.
3. To provide information to members of the faculty in each department about academic programs and courses in all colleges, departments, and schools of the University.

Reports of the University Committee on Curriculum to the Faculty Senate are organized as follows:

PART I - NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES:

Organized by colleges in alphabetical order. For a given college, academic units are organized in alphabetical order. For a given academic unit, degrees, majors, and specializations are organized in alphabetical order.

PART II - NEW COURSES:¹

Organized by academic units in alphabetical order; All-University courses appear last. For a given academic unit, courses are organized according to the names associated with course subject codes, in alphabetical order. Courses with the same subject code are in numerical order.

PART III - COURSE CHANGES:¹

Organized by academic units in alphabetical order; All-University courses appear last. For a given academic unit, courses are organized according to the names associated with course subject codes, in alphabetical order. Courses with the same subject code are in numerical order.

Not all of the above categories, and not all of the colleges and academic units, will necessarily appear in any given Senate Report.

¹One or more of the abbreviations that follow may be included in a course entry:

- P: = Prerequisite monitored in SIS
- C: = Corequisite
- R: = Restriction
- RB: = Recommended background
- SA: = Semester Alias

MICHIGAN STATE UNIVERSITY

December 16, 2025

TO: Faculty Senate
FROM: University Committee on Curriculum
SUBJECT: New Academic Programs and Program Changes:
New Courses and Course Changes

PART I - NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

1. Change the requirements for the **Agricultural Technology Certificate** in **Agricultural Operations** in The Institute of Agricultural Technology.

a. Under the heading **Requirements for Agricultural Operations** make the following changes:

(1) In item 1. delete the following courses:

CSS	101	Introduction to Crop Science	3
CSS	126	Introduction to Weed Management	2
CSS	203	World of Soils	2

Add the following courses:

CROP	101	Introduction to Crop Science	3
CROP	126	Introduction to Weed Management	2
SOIL	203	World of Soils	2

(2) In item 3., add the following community college partner:

St. Clair County Community College

Effective Fall 2026.

2. Change the requirements for the **Agricultural Technology Certificate** in **Dairy Management** in the Institute of Agricultural Technology.

a. Under the heading **Requirements for Dairy Management** make the following changes:

(1) In item 1., delete the following courses:

AT	045	Agricultural Communications	2
AT	071	Technical Mathematics	2
CSS	110	Computer Applications in Agronomy	2

Add the following courses:

AT	145	Agricultural Communications	2
AT	171	Technical Mathematics	2
CROP	110	Computer Applications in Agronomy	2

(2) In item 2., delete the following courses:

AT	055	Agricultural Finance	3
CSS	101	Introduction to Crop Science	3
CSS	101L	Introduction to Crop Science Laboratory	1
CSS	120	Issues in Food and Agriculture	3

CSS	201	Forage Crops	3
CSS	212	Advanced Crop Production	2

Add the following courses:

AT	155	Agricultural Finance	3
CROP	101	Introduction to Crop Science	3
CROP	101L	Introduction to Crop Science Laboratory	1
CROP	120	Issues in Food and Agriculture	3
CROP	201	Forage Crops	3
CROP	212	Advanced Crop Production	2

Effective Fall 2026.

3. Change the requirements for the **Agricultural Technology Certificate** in **Electrical Technology** in the Institute of Agricultural Technology.

a. Under the heading **Electrical Technology** make the following changes:

- (1) In item 1., delete the following courses:

AT	045	Agricultural Communications	2
AT	071	Technical Mathematics	2

Add the following courses:

AT	145	Agricultural Communications	2
AT	171	Technical Mathematics	2

- (2) Replace the note following item 1. with the following:

Students who demonstrate proficiency through placement testing for AT 145 and AT 171 can take elective course work to substitute the credit in those courses as approved by the program coordinator.

Effective Fall 2026.

4. Change the requirements for the **Agricultural Technology Certificate** in **Food Technology and Safety** in the Institute of Agricultural Technology.

a. Under the heading **Requirements for Food Technology and Safety** make the following changes:

- (1) In item 1., delete the following courses:

AT	45	Agricultural Communications	2
AT	71	Technical Mathematics	2

Add the following courses:

AT	145	Agricultural Communications	2
AT	171	Technical Mathematics	2

- (2) In item 2., delete the following courses:

AT	55	Agricultural Finance	3
CSS	120	Issues in Food and Agriculture	3

Add the following courses:

AT	155	Agricultural Finance	3
CROP	120	Issues in Food and Agriculture	3

Effective Fall 2026.

5. Change the requirements for the **Agricultural Technology Certificate** in **Forest Technology** in the Institute of Agricultural Technology.

a. Under the heading **Requirements for Forest Technology** make the following changes:

(1) In item 1., change the total credits from '33' to '34'.

(2) In item 1., delete the following courses:

CSS	143	Introduction to Soil Science	2
FOR	222	Forestry Field Methods	2
PLP	105	Fundamentals of Applied Plant Pathology	2

Add the following courses:

FOR	222	Forestry Field Methods	3
PLP	105	Fundamentals of Applied Plant Pathology	1
PLP	105L	Fundamentals of Applied Plant Pathology Lab	1
SOIL	203	World of Soils	2

(3) Change item 2. to the following:

Complete 30 credits of additional course work through Bay College and Kirtland Community College. All course work must be approved by the program coordinator in the Institute of Agricultural Technology.

Effective Fall 2026.

6. Change the requirements for the **Agricultural Technology Certificate** in **Livestock Industries** in the Institute of Agricultural Technology.

a. Under the heading **Requirements for Livestock Industries** make the following changes:

(1) In item 1., delete the following courses:

AT	045	Agricultural Communications	2
AT	071	Technical Mathematics	2
CSS	101	Introduction to Crop Science	3
CSS	110	Computer Applications in Agronomy	2

Add the following courses:

AT	145	Agricultural Communications	2
AT	171	Technical Mathematics	2
CROP	101	Introduction to Crop Science	3
CROP	110	Computer Applications in Agronomy	2

Effective Fall 2026.

COLLEGE OF ARTS AND LETTERS

1. Establish a **Bachelor of Arts** degree in **Arts and Humanities Health and Well-being** in the College of Arts and Letters. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its October 9, 2025 meeting.

The concentrations in the Bachelor of Arts degree in Arts and Humanities Health and Well-being are noted on the student's academic record when the requirements for the degree have been completed.

a. **Background Information:**

The Arts and Humanities Health and Well-being (AHHW) major is a response to the need for a human-centric approach in health and well-being related fields. The curriculum is informed by competencies outlined by the Association of American Medical Colleges (AAMC) and employer demand for humanities skills in a variety of roles. The AHHW pathway, a new care concept in pre-health education at MSU, emphasizes compassionate communication, empathy, ethics, and transcultural differences and intersectionality to improve healthcare interactions. Father Jake Foglio, an MSU graduate, medical school faculty, and mentor to countless people, embodied a deep love for humanity and the human quest for wholeness and healing. He inspired the creation of this undergraduate degree pathway, which is a collaboration between the College of Arts and Letters and MSU Health Sciences and aligns with the MSU 2030 Strategic Plan pillars of Sustainable Health, Student Success, and Access, Opportunity and Excellence. The interdisciplinary program offers a unique combination of curricular and co-curricular opportunities and prioritize pathways for all qualified students. Recognizing growth in health-related professions, the AHHW pathway will ultimately include two post-graduation tracks: one toward provider roles and the other non-provider health careers. As the COVID years demonstrate, students committed to service professions must prioritize their well-being and understand the physical and physiological basis for healthcare and the systemic and institutional realities that impact individuals and communities. These factors influence healthcare access as well as healing, medicine, and care. MSU's approach to advancing health and excellence in health education prioritizes people, communities, partnerships, and innovation to compassionately bring hope, health, and healing to all people.

At the undergraduate level, there is no other degree that combines arts and the humanities in preparing students for futures in health, healthcare, and well-being professions. This degree pathway aims to prepare students to practice structurally competent and culturally responsive care for all as provider and non-provider health and well-being professionals. To this end, this new degree initiative seeks to enhance quality of life for all people by building from the innovative programs found within the College of Arts and Letters, Health Sciences, and other undergraduate programs. With two medical schools, veterinary programs, and nursing programs, the AHHW degree will support, be supported by, and enhance MSU's commitment to working for holistic well-being. The AHHW major includes two post-graduation tracks: one for provider roles (physician, nurse, veterinarian, dentist, physician's assistant, counselor, etc.) and another for non-provider roles in health, government, civic engagement, business and industry, engineering, the social sciences, healthcare administration (i.e., care coordination, patient advocacy, wellness director), user experience, product design, sales; health journalism; health promotion and health information management; health behavior research; health policy analysis. Practical application, experiential learning, service opportunities, and social engagement are emphasized, which enhance areas of strength that separate MSU from other Big 10 and Tier 1 Universities.

b. **Academic Programs Catalog Text:**

The Bachelor of Arts degree in Arts and Humanities Health and Well-being, administered by the College of Arts and Letters establishes a pre-health education pathway that emphasizes access and opportunity, holistic well-being, and compassionate care for all. The major reimagines the role of the arts and humanities in addressing contemporary health and well-being challenges by offering a new interdisciplinary care concept in pre-health education. Its rigorous but manageable curriculum includes a core curriculum, two concentrations 1) Engaged Arts and Well-being, 2) Critical Health Humanities, and integrated co-curriculars, experiential learning, practicums, and service opportunities that prepare students to meet the expected standards of both applicants accepted to professional school and of students desiring a non-clinical health career. CARE: Compassionate and Competent Action that Reaches Everyone is a guiding principle that informs the competency structure and mission to provide hope, health, and healing to all.

Some provider and non-provider post-graduation careers require specific disciplinary knowledge and/or training not covered by the Arts and Humanities Health and Well-being degree requirements. Additional course work beyond the degree requirements may be necessary to meet admission requirements for professional schools and may be required to prepare for non-clinical health careers. Students must consult with the Arts and Humanities Health and Well-being advisor and curriculum coordinator to identify an academic plan.

Requirements for the Bachelor of Arts Degree in Arts and Humanities Health and Well-being

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in Arts and Humanities Health and Well-being.

The University's Tier II writing requirement for the Arts and Humanities Health and Well-being major is met by completing Arts and Humanities Health and Well-being 499 referenced in item 3. below.

2. The requirements of the College of Arts and Letters for the Bachelor of Arts degree
3. The following requirements for the major (minimum of 33 credits):

									CREDITS	
a.	Foundational Courses (18 credits):									
	(1)	All of the following courses (9 credits):								
		AHHW	100	Introduction to Arts and Humanities Health and Well-being					3	
		AHHW	300	Compassionate Care in the Helping Professions					3	
		AHHW	310	Technical Writing and Health Communications in a Context of Compassion and Equity					3	
	(2)	Complete 6 credits from the following courses:								
		AHHW	346	Transcultural Approaches to Bioethics					3	
		AHHW	350	Equity in Healthcare					3	
		AHHW	448	Rhetorics of Disability Experience (W)					3	
		AHHW	493	Internship					1 to 4	
		HM	150	Careers in Healthcare					1 or 2	
		OST	220	Introduction to Healthcare Delivery in the U.S.					3	
		OST	320	Globally Comparative Healthcare Systems					3	
	(3)	The following course during the final year of enrollment (3 credits):								
		AHHW	499	Senior Capstone (W)					3	
b.	One of the following concentrations (15 credits):									
	Engaged Arts and Well-being									
	Complete 15 credits from the following:									
		ACM	271	Introduction to Arts and Cultural Management					3	
		AHHW	391	Special Topics in Engaged Arts and Well-being					3	
		AHHW	490	Independent Study					1 to 4	
		ENG	226	Introduction to Creative Writing					3	
		FLM	230	Introduction to Film					3	
		FLM	334	Introduction to Screenwriting (W)					3	
		FLM	450	Studies in Ethnic Film					3	
		GNL	826	Flourishing under Stress					2	
		An IAH 200-level course in consultation with and approved by the student's advisor. The course must be beyond the general education requirement.								4
		MUS	116	Campus Band					1	
		MUS	123	Campus Choir					1	
		REL	102	Exploring Spirituality					3	
		REL	206	Spirituality, Belonging, and the Quest for Purpose					3	
		REL	250	Religion and the Arts					3	
		STA	110	Drawing I					3	
		STA	113	Color and Design					3	
		STA	114	Three-Dimensional Form					3	
		STA	191	Special Topics in Art and Design					3	
		(Topic must be approved by the student's advisor)								

STA	488	EAI: Art and Science in the Laboratory	3
THR	101N	Acting I for Non-Theater Majors	3
THR	201N	Acting II for Non-Theatre Majors	3
THR	208	Innovation through Improvisation	2
THR	332	Topics in Theatre Studies	3

(Topic must be approved by the student's advisor)

In consultation with the student's advisor, 3 to 6 credits may be substituted from the Critical Health Humanities concentration, or other courses as approved.

Critical Health Humanities

Complete 15 credits from the following:

AHHW	392	Special Topics in Critical Health Humanities	3
AHHW	490	Independent Study	1 to 4
ENG	235	Exploring Digital Humanities: History, Practice, and Speculation	3
		(when taught as "Literature, Art, and the Brain")	
ENG	364	Studies in 18th/19th-Century Literature (W)	3
		(Topic must be approved by the student's advisor)	
ENG	457	Seminar in 18th-Century British Literature	3
		(Topic must be approved by the student's advisor)	
ENG	473A	Literature and Medicine	3
GSAH	310	Questions of Justice in Global Contexts	3
GSAH	314	Race, Gender, and Global Identities	3

An IAH 200-level course in consultation with and approved by the student's advisor. The course must be beyond the general education requirement.

LIN	225	Language and Gender	3
PHL	342	Environmental Ethics	3
PHL	344	Ethical Issues in Health Care	3
PHL	380	Nature of Science	3
PHL	462	Philosophy of Mind	3
PHL	480	Philosophy of Science	3
REL	207	Intercultural Competence, Religious Diversity, and Self-awareness	3
REL	305	Spirituality, Peacebuilding, and Social Change	3
REL	308	Black Spirituality and Religion	3
REL	311	International Development and NGO Management	3
REL	385	Religion, Health, and Health Care	3
REL	445	Untouchability, Religion, and Social Change in Asia (W)	3
REL	455	Introduction to Monitoring, Evaluation, Accountability, and Learning for Nonprofits	3
REL	456	Indigenous Environmental Stewardship, Ontologies, and Governance	3
REL	457	Indigenous Research Methodologies and Ethics	3
SPN	452	Topics in Spanish Language I	3
		(Topic must be approved by the student's advisor)	
THR	100	Introduction to Theatre	3
THR	336	Sex, Sexuality and Theatre	3
WRA	335	Writing in Scientific Contexts	3
WRA	337	Writing and Public Policy	3
WS	201	Introduction to Women's and Gender Studies	3
WS	203	Introduction to Methods for Women's and Gender Studies Research	3
WS	301	Sexual Violence Against Women and Children: Theory and Response	3
WS	304	Lesbian, Gay, Bisexual, Transgender, Queer (LBGTQ) and Sexuality Studies	3
WS	307	Women of Color Feminisms	3
WS	351	Gendered Violence and Intersections of Power	3
WS	491	Special Topics	3
XA	111	Introduction to Accessibility in Experience Architecture	3

XA	491	Special Topics	3
		(Topic must be approved by the student's advisor)	
		In consultation with the student's advisor, 3 to 6 credits may be substituted from the Engaged Arts and Well-being concentration, or other courses as approved.	

Effective Fall 2027.

2. Change the requirements for the **Bachelor of Arts** degree in **Philosophy** in the Department of Philosophy.

The concentration in the Bachelor of Arts degree in Philosophy is noted on the student's academic record when the requirements for the degree have been completed.

a. Under the heading **Requirements for the Bachelor of Arts Degree in Philosophy** make the following changes:

- (1) In item 1., paragraph two, delete the following sentence:

Students who complete the optional concentration in Philosophy and the Law meet this requirement by completing Philosophy 454.

- (2) In item 3. a. change the total credits from '36 to 40' to '36'.

- (3) In item 3. a. (1) add the following course:

PHL	215	Buddhist Philosophy	3
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- (4) In item 3. a. (2) delete the following courses:

PHL	330	Formal Deductive Reasoning	4
PHL	331	Formal Practical Reasoning	4
PHL	432	Logic and its Metatheory	4

Add the following courses:

PHL	330	Formal Deductive Reasoning	3
PHL	331	Formal Practical Reasoning	3
PHL	432	Logic and its Metatheory	3

- (5) In item 3. a. (3) delete the following courses:

PHL	344	Ethical Issues in Healthcare	4
PHL	345	Business Ethics	4
PHL	356	Philosophical Aspects of Feminism	4

Add the following courses:

PHL	344	Ethical Issues in Healthcare	3
PHL	345	Business Ethics	3
PHL	356	Philosophical Aspects of Feminism	3

- (6) In item 3. a. (5), delete Philosophy 454.

- (7) Delete the **Concentration in Philosophy and the Law**.

Effective Fall 2026.

3. Change the requirements for the **Minor in Philosophy** in the Department of Philosophy.
- a. Under the heading **Requirements for the Minor in Philosophy** make the following changes:
- (1) In item 1. delete the following courses:
- | | | | |
|-----|-----|----------------------------|---|
| PHL | 330 | Formal Deductive Reasoning | 4 |
| PHL | 331 | Formal Practical Reasoning | 4 |
| PHL | 432 | Logic and its Metatheory | 4 |
- Add the following courses:
- | | | | |
|-----|-----|----------------------------|---|
| PHL | 330 | Formal Deductive Reasoning | 3 |
| PHL | 331 | Formal Practical Reasoning | 3 |
| PHL | 432 | Logic and its Metatheory | 3 |
- (2) In item 2., add the following course:
- | | | | |
|-----|-----|---------------------|---|
| PHL | 215 | Buddhist Philosophy | 3 |
|-----|-----|---------------------|---|

Effective Fall 2026.

4. Change the requirements for the **Minor in Philosophy and Law** in the Department of Philosophy.
- a. Under the heading **Requirements for the Minor in Philosophy and Law** make the following changes:
- (1) In item 1. delete the following courses:
- | | | | |
|-----|-----|----------------------------|---|
| PHL | 330 | Formal Deductive Reasoning | 4 |
| PHL | 331 | Formal Practical Reasoning | 4 |
| PHL | 432 | Logic and its Metatheory | 4 |
- Add the following courses:
- | | | | |
|-----|-----|----------------------------|---|
| PHL | 330 | Formal Deductive Reasoning | 3 |
| PHL | 331 | Formal Practical Reasoning | 3 |
| PHL | 432 | Logic and its Metatheory | 3 |
- (2) In item 3., change the credits from '3 or 4' to '3'.
- (3) In item 3., delete the following courses:
- | | | | |
|-----|-----|-----------------------------------|---|
| PHL | 344 | Ethical Issues in Health Care | 4 |
| PHL | 345 | Business Ethics | 4 |
| PHL | 355 | Philosophy of Technology (W) | 4 |
| PHL | 356 | Philosophical Aspects of Feminism | 4 |
- Add the following courses:
- | | | | |
|-----|-----|-----------------------------------|---|
| PHL | 344 | Ethical Issues in Health Care | 3 |
| PHL | 345 | Business Ethics | 3 |
| PHL | 355 | Philosophy of Technology (W) | 3 |
| PHL | 356 | Philosophical Aspects of Feminism | 3 |
- (4) Replace items 4. and 5. with the following:
- | | | |
|----|---------------------------------|---|
| 4. | One 400-level Philosophy course | 3 |
| 5. | Additional Philosophy courses | 6 |

Effective Fall 2026.

5. Establish a **Bachelor of Arts** degree in **Philosophy and Law** in the Department of Philosophy. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its September 4, 2025 meeting.

- a. **Background Information:**

While traditional philosophy concerns theories of knowledge, metaphysical issues, study of logic, and historical figures, the Department of Philosophy at MSU has long stressed “engaged” philosophy concerning ethical, social, and political issues on the one hand and the practice, nature, and ethical issues in the sciences on the other hand. We are now creating distinct named majors with foci in those two areas: Philosophy of Law, and Philosophy and the Sciences. Elevation of the Philosophy and Law program to its own major from its previous status as a concentration will enhance the value and visibility of this major. Creation of the Philosophy and the Sciences major will enable students in those disciplines to examine the methods and ethical issues they raise. We are creating a corresponding Philosophy and the Sciences minor as well that will join our current Philosophy minor and Philosophy and Law minor.

The department currently has a concentration in “Philosophy and the Law” within the Philosophy major. This concentration has been successful since it was introduced a few years ago, with about half of Philosophy majors selecting this concentration. There are no other concentrations in Philosophy. Because it is relatively hidden as merely a concentration, students seeking pre-law courses of study at MSU are not directed to this concentration in the general list of offerings and are not able to find it simply by glancing at a list of majors. Having a distinct named major – rather than merely a concentration – related to prelaw is not a unique or unheard of situation at MSU. The Department of Political Science has a distinct named major “Political Science – Prelaw” alongside its “Political Science – General” major. The Department of Philosophy seeks to mirror that structure.

This new Philosophy and Law major would take its place alongside other prelaw majors. Besides the already-mentioned Political Science Prelaw major, there is a Humanities Prelaw major in the College of Arts and Letters. This Philosophy and Law major would differ from both in focusing on reflective evaluation of ethical issues through extensive philosophical assessment. Political Science Prelaw covers legal institutions and actual legal practices to a much greater degree. The Humanities Prelaw program allows students to take a handful of courses focused on law – including some Philosophy courses – while devoting most of their time to work in other interdisciplinary areas that will provide context for their legal careers.

Much of the Engaged Philosophy as practiced at MSU concerns social, political, and ethical issues. Students delve into the philosophical theory that lies behind ethical, cultural, political, legal, and social issues as traditional philosophical reflection, but more importantly grapple with particular issues and apply philosophical reasoning to specific areas of concern for society. Topics related to environment, law, use of technology, relations among genders and sexes, medical and health care ethics, international relations and development, the nature and effects of ethnic and racial categories, and the treatment of animals are all covered by multiple philosophy courses. Students planning careers related to these issues in law, government, businesses, cultural institutions, non-profits, and criminal justice benefit from the intense and thorough uncovering and evaluation of these issues using philosophical reasoning. The skills these students will learn along the way are particularly useful in law school and legal careers.

Across the nation there are many Philosophy Departments with distinct majors concerned with “Philosophy and Law”. Among them are Catholic University (Philosophy/Pre-law major); Emory University (Philosophy Politics and Law major); Ohio University (Philosophy Pre-Law major); Binghamton (Philosophy, Politics, and Law interdisciplinary major); University of North Carolina Greensboro (Philosophy-Prelaw major); University of Massachusetts Boston (Philosophy, Law, and Ethics major), and Loyola University New Orleans (Prelaw Philosophy major). Many others have concentrations related to Philosophy and Law as the MSU Department has currently: for example Arizona State University (Morality, Politics, and Law concentration); Georgia Southern University (Law concentration); Tulane University (Law, Morality, and Society concentration); University of Washington (Law and Policy concentration), and Clemson University (Law Liberty and Justice concentrations).

b. **Academic Programs Catalog Text:**

The Bachelor of Arts Degree in Philosophy and Law establishes a means for students preparing for law or related fields to enhance their reasoning ability as well as tackle pressing ethical, political, social, economic, and cultural issues faced in their careers.

Requirements for the Bachelor of Arts Degree in Philosophy and Law

- | | CREDITS |
|--|---------|
| 1. The University requirements for bachelor's degrees as described in the <i>Undergraduate Education</i> section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts Degree in Philosophy and Law. | |
| The University's Tier II writing requirement for the Philosophy and Law major is met by completing PHL 452, or with prior approval, PHL 499. Those courses are referenced in item 3. below. | |
| 2. The requirements of the College of Arts and Letters for the Bachelor of Arts degree. | |
| 3. The following requirements for the major (33 credits): | |
| a. All of the following courses (12 credits): | |
| PHL 130 Reasoning and Argumentation | 3 |
| PHL 340 Ethics | 3 |
| PHL 350 Introduction to Social and Political Philosophy | 3 |
| PHL 354 Philosophy of Law | 3 |
| b. One of the following courses (3 credits): | |
| PHL 330 Formal Deductive Reasoning | 3 |
| PHL 331 Formal Practical Reasoning | 3 |
| PHL 432 Logic and its Metatheory | 3 |
| c. One of the following courses (3 credits): | |
| PHL 210 Ancient Greek Philosophy | 3 |
| PHL 211 Early Modern European Philosophy | 3 |
| PHL 212 Latin American Philosophy | 3 |
| PHL 213 Africana Philosophy | 3 |
| PHL 214 Indigenous Philosophy | 3 |
| PHL 215 Buddhist Philosophy | 3 |
| d. Two of the following courses (6 credits): | |
| PHL 342 Environmental Ethics | 3 |
| PHL 344 Ethical Issues in Health Care | 3 |
| PHL 345 Business Ethics | 3 |
| PHL 353 Core Themes in Peace and Justice Studies | 3 |
| PHL 355 Philosophy of Technology (W) | 3 |
| PHL 356 Philosophical Aspects of Feminism | 3 |
| PHL 357 Philosophy of Karl Marx | 3 |
| PHL 440 Central Issues in Ethics | 3 |
| PHL 442 Ethics and Animals | 3 |
| PHL 451 Philosophy and the Black Experience | 3 |
| PHL 452 Ethics and Development | 3 |
| PHL 453 Ethical Issues in Global Public Health | 3 |
| PHL 456 Topics in Feminist Philosophy | 3 |
| e. The following capstone course (3 credits): | |
| PHL 454 Topics in Philosophy of Law (W) | 3 |
| With approval of the department, PHL 499 (senior thesis) may be substituted for PHL 454. | |
| f. A minimum of two PHL courses at the 400-level excluding PHL 454 or PHL 499. | |
| g. Additional PHL courses to reach a total of 33 credits. | |

6. Establish a **Bachelor of Arts** degree in **Philosophy and the Sciences** in the Department of Philosophy. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its October 9, 2025 meeting.

- a. **Background Information:**

While traditional philosophy concerns theories of knowledge, metaphysical issues, study of logic, and historical figures, the Department of Philosophy at MSU has long stressed “engaged” philosophy concerning ethical, social, and political issues on the one hand and the practice, nature, and ethical issues in the sciences on the other hand. We are now creating distinct named majors with foci in those two areas: Philosophy of Law, and Philosophy and the Sciences. Elevation of the Philosophy and Law program to its own major from its previous status as a concentration will enhance the value and visibility of this major. Creation of the Philosophy and the Sciences major will enable students in those disciplines to examine the methods and ethical issues they raise. We are creating a corresponding Philosophy and the Sciences minor as well that will join our current Philosophy minor and Philosophy and Law minor.

The importance of philosophical issues in the sciences only increases with time. Practicing scientists are faced with ethical issues that demand the resources of philosophical reflection, including genetic modification of non-human as well as human organisms, control and distribution of scarce environmental and agricultural resources, long vs short term costs and benefits of climate change mitigation, societal impacts of artificial intelligence software and increasing technological replacement of human activities, and many related ethical issues. Questions concerning the methods, core assumptions, boundaries, and interrelationships among the sciences will also be part of the careers of future scientists.

Across the nation there are many Philosophy Departments with majors concerned with “Philosophy and the Sciences”. University of Utah (Philosophy of Science major); University of Pittsburgh (History and Philosophy of Science major); University of Pennsylvania (Philosophy and Science concentration in major); University of Washington (History and Philosophy of Science major), Stanford University (History and Philosophy of Science concentration in major); Notre Dame University (Philosophy, Science, and Mathematics interdisciplinary major); Pennsylvania State University (Philosophy of Science and Math concentration in major); Case Western Reserve University (History and Philosophy of Science interdisciplinary major); Arizona State University (Science, Nature, and Mind concentration); Colorado State University (Philosophy, Science, and Technology concentration in major); and others.

Michigan State University has one of the highest numbers of faculty working in science studies, that is, those working in the philosophy, history, sociology, theory, context, and other areas about the sciences who are not themselves considered full-time practicing scientists. MSU is home to the “Socially Engaged Philosophy of Science” center in the College of Arts and Letters as well as the Lyman Briggs College that includes extensive science studies in addition to work in the sciences and math. The College of Human Medicine houses the Center for Bioethics and Social Justice. Some faculty in Briggs and the Bioethics Center are cross-appointed in the Department of Philosophy.

The Department of Philosophy stresses science studies as one major focus in its PhD program. Students work in philosophy related to the environment, agriculture and resource management, ethics in research, medical and health sciences, biology and human behavior, and similar issues. This new undergraduate major as well as its corresponding new minor will now provide an opportunity for undergraduate students in the sciences to benefit from this expertise.

The major is self-standing but is designed to serve as a second or additional major to undergraduate majors in the sciences as a complement to their direct scientific training. The inclusion of a “science disciplinary requirement” ensures that majors will have the necessary practical knowledge of a particular science.

Lyman Briggs College offers a major that would overlap this major to some extent: “Science and Society”, which differs from this proposed major in two very important ways. First, the Lyman Briggs major is open only to students in Lyman Briggs College. Second, the Lyman Briggs major has a much broader sweep, with only a small number of courses focused on philosophy of science or ethical issues.

b. **Academic Programs Catalog Text:**

The Bachelor of Arts Degree in Philosophy and the Sciences is designed to provide students with primary interest in science and technology the opportunity to examine their foundations and methods as well as ethical issues regarding research and applications. Ideal as a second or additional major, this program allows students to situate their main interests in science within the broader context that the sciences and technology have in our society.

Requirements for the Bachelor of Arts Degree in Philosophy and the Sciences

CREDITS

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts Degree in Philosophy and the Sciences.

 The University's Tier II writing requirement for the Philosophy and the Sciences major is met by completing PHL 492, or with prior approval, PHL 499. Those courses are referenced in item 3. below.
2. The requirements of the College of Arts and Letters for the Bachelor of Arts degree.
3. The following requirements for the major (30 credits):
 - a. The following course (3 credits):

PHL	380	Nature of Science	3
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 - b. At least three of the following courses (9 credits):

PHL	342	Environmental Ethics	3
PHL	344	Ethical Issues in Health Care	3
PHL	355	Philosophy of Technology (W)	3
PHL	442	Ethics and Animals	3
PHL	453	Ethical Issues in Global Public Health	3
PHL	462	Philosophy of Mind -	3
PHL	463	Introduction to Cognitive Science	3
PHL	480	Philosophy of Science	3
PHL	482	Topics in Ethics in Science	3
PHL	484	Philosophy of Biological Science	3
PHL	486	Biotechnology in Agriculture: Applications and Ethical Issues	3
 - c. The following capstone course (3 credits):

PHL	492	Capstone for Majors (W)	3
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 With approval of the department, PHL 499 (senior thesis) may be substituted for PHL 492.
 - d. A minimum of two PHL courses at the 400-level excluding PHL 492 or PHL 499. The courses used for this requirement may also satisfy requirement b.
 - e. *Science Disciplinary Requirement:* Complete 6 to 9 credits from one particular science discipline in the agricultural, engineering, environmental, medical, natural, or social sciences from any of the following colleges: College of Agriculture and Natural Resources, College of Engineering, Lyman Briggs College, College of Natural Science, College of Nursing, College of Social Science, College of Veterinary Medicine, or other colleges subject to approval of the department. ISS, ISB and ISP, MTH 101, MTH 102, MTH 103, STT 200, and STT 201 cannot be counted for this requirement. Courses in the College of Social Science or other colleges may be used for this requirement only if offered by a department that offers a Bachelor of Science degree. Courses in Lyman Briggs College that can be used for the major or minor in Science and Society cannot be counted for this requirement.
 - f. Additional PHL courses to reach a total of 30 credits.

7. Establish a **Minor in Philosophy and the Sciences** in the Department of Philosophy. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its October 9, 2025 meeting.

a. **Background Information:**

While traditional philosophy concerns theories of knowledge, metaphysical issues, study of logic, and historical figures, the Department of Philosophy at MSU has long stressed “engaged” philosophy concerning ethical, social, and political issues on the one hand and the practice, nature, and ethical issues in the sciences on the other hand. We are now creating distinct named majors with foci in those two areas: Philosophy of Law, and Philosophy and the Sciences. Elevation of the Philosophy and Law program to its own major from its previous status as a concentration will enhance the value and visibility of this major. Creation of the Philosophy and the Sciences major will enable students in those disciplines to examine the methods and ethical issues they raise. We are creating a corresponding Philosophy and the Sciences minor as well that will join our current Philosophy minor and Philosophy and Law minor.

The importance of philosophical issues in the sciences only increases with time. Practicing scientists are faced with ethical issues that demand the resources of philosophical reflection, including genetic modification of non-human as well as human organisms, control and distribution of scarce environmental and agricultural resources, long vs short term costs and benefits of climate change mitigation, societal impacts of artificial intelligence software and increasing technological replacement of human activities, and many related ethical issues. Questions concerning the methods, core assumptions, boundaries, and interrelationships among the sciences will also be part of the careers of future scientists.

This minor will take its place as a junior version of the proposed new major in Philosophy and the Sciences. Across the nation there are many Philosophy Departments with majors concerned with “Philosophy and the Sciences”. University of Utah (Philosophy of Science major); University of Pittsburgh (History and Philosophy of Science major); University of Pennsylvania (Philosophy and Science concentration in major); University of Washington (History and Philosophy of Science major), Stanford University (History and Philosophy of Science concentration in major); Notre Dame University (Philosophy, Science, and Mathematics interdisciplinary major); Pennsylvania State University (Philosophy of Science and Math concentration in major); Case Western Reserve University (History and Philosophy of Science interdisciplinary major); Arizona State University (Science, Nature, and Mind concentration); Colorado State University (Philosophy, Science, and Technology concentration in major); and others.

Michigan State University has one of the highest numbers of faculty working in science studies, that is, those working in the philosophy, history, sociology, theory, context, and other areas about the sciences who are not themselves considered full-time practicing scientists. MSU is home to the “Socially Engaged Philosophy of Science” center in the College of Arts and Letters as well as the Lyman Briggs College that includes extensive science studies in addition to work in the sciences and math. The College of Human Medicine houses the Center for Bioethics and Social Justice. Some faculty in Briggs and the Bioethics Center are cross-appointed in the Department of Philosophy. The Department of Philosophy stresses science studies as one major focus in its PhD program. Students work in philosophy related to the environment, agriculture and resource management, ethics in research, medical and health sciences, biology and human behavior, and similar issues. This new undergraduate minor as well as its corresponding new major will now provide an opportunity for undergraduate students in the sciences to benefit from this expertise.

The minor is designed to complement STEM field studies for students who do not have the time to take on an additional or second major in Philosophy and the Sciences. The inclusion of a “science disciplinary requirement” ensures that minors will have the necessary practical knowledge of a particular science.

b. **Academic Programs Catalog Text:**

The Minor in Philosophy and the Sciences, which is administered by the Department of Philosophy, will provide students with majors in science and technology the opportunity to examine their foundations and methods as well as ethical issues regarding research and applications.

This minor is available as an elective to students who are enrolled in bachelor’s degree programs at Michigan State University other than the Bachelor of Arts Degree in Philosophy or Philosophy and

Law or Philosophy and the Sciences. With the approval of the department and college that administer the student’s degree program, the courses that are used to satisfy the minor may also be used to satisfy the requirements for the bachelor’s degree. Courses that are used to satisfy the requirements of this minor may not be used to satisfy the requirements of the Minor in Philosophy or the Minor in Philosophy and Law.

Students who plan to complete the requirements of the minor should consult the undergraduate advisor in the Department of Philosophy.

Requirements for the Minor in Philosophy and the Sciences

		CREDITS
Students must complete 18 credits from the following:		
1.	The following course (3 credits):	
	PHL 380 Nature of Science	3
2.	At least two of the following courses (6 credits):	
	PHL 342 Environmental Ethics	3
	PHL 344 Ethical Issues in Health Care	3
	PHL 355 Philosophy of Technology (W)	3
	PHL 442 Ethics and Animals	3
	PHL 453 Ethical Issues in Global Public Health	3
	PHL 462 Philosophy of Mind -	3
	PHL 463 Introduction to Cognitive Science	3
	PHL 480 Philosophy of Science	3
	PHL 482 Topics in Ethics in Science	3
	PHL 484 Philosophy of Biological Science	3
	PHL 486 Biotechnology in Agriculture: Applications and Ethical Issues	3
3.	At least one PHL course at the 400-level excluding PHL 492 or PHL 499. The courses used for this requirement may also satisfy requirement 2.	
4.	<i>Science Disciplinary Requirement:</i> Complete 3 to 6 credits from one particular science discipline in the agricultural, engineering, environmental, medical, natural, or social sciences from any of the following colleges: College of Agriculture and Natural Resources, College of Engineering, Lyman Briggs College, College of Natural Science, College of Nursing, College of Social Science, College of Veterinary Medicine, or other colleges subject to approval of the department. ISS, ISB and ISP, MTH 101, MTH 102, MTH 103, STT 200, and STT 201 cannot be counted for this requirement. Courses in the College of Social Science or other colleges may be used for this requirement only if offered by a department that offers a Bachelor of Science degree. Courses in Lyman Briggs College that can be used for the major or minor in Science and Society cannot be counted for this requirement.	
5.	Additional PHL courses to reach a total of 18 credits.	

Effective Fall 2026.

ELI BROAD COLLEGE OF BUSINESS

1. Establish a **Graduate Certificate in Fundamentals in Insights and Analytics** in the Department of Marketing. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its October 13, 2025 meeting.

a. **Background Information:**

The certificate program supports the program’s brand extension strategy with offerings that reinforce its unique positioning of providing advanced and emerging topics in pursuit of professional skill development in the field of Consumer Insights and Analytics. In particular, the certificate offers access to existing courses that are combined to create academic certificates tailored to an individual’s career direction. The certificate program aligns with the college’s strategic initiatives to enhance careers and learning through graduate programs.

There are three specific reasons that this certificate is needed. First, the field of marketing research is booming. Companies' realization of the importance of consumer insights as a key to growth and success has resulted in an increase in demand for trained professionals. Second, marketing research was once limited to sales and customer-facing disciplines. But now, professionals in departments throughout a company are expected to deploy or at least integrate a market-driven understanding of their business. Third, the discipline of marketing research is evolving quickly. The application of technological advancement introduces new disruptive practices daily. To remain relevant, marketing professionals must commit to a continuous cycle of learning and upskilling.

Therefore, there exists a growing need for development, redevelopment and refresh of marketing research skills – among both marketing professionals and those currently in other professions. The certificate program will provide graduates with a transcript to validate their additional education and training and can also serve as a feeder to the master's program.

b. **Academic Programs Catalog Text:**

The Graduate Certificate in Fundamentals in Insights and Analytics is designed to deepen and expand the skillsets of professionals currently in the field of marketing research and build marketing research-related skillsets among those currently in other professions.

Admission

Applicants must:

1. complete an online application through the MSU Office of Admissions.
2. provide a resume,
3. provide an academic statement
4. submit official bachelor's degree granting transcripts.

International applicants are required to adhere to the MSU English Language test admission requirements. International applicants may also be required to provide certified degrees documents for degrees earned internationally.

Requirements for the Graduate Certificate in Fundamentals in Insights and Analytics

CREDITS

Students must complete 9 credits from the following:

- | | | |
|----|--|---|
| 1. | All of the following courses (8 credits): | |
| | MKT 806 Marketing Research for Decision Making | 2 |
| | MKT 816 Marketing Analysis | 2 |
| | MKT 819 Predictive Analytics | 2 |
| | MKT 867 Survey Design and Sampling | 2 |
| 2. | Complete 1 credit of MKT 891 or equivalent elective course that aligns with the certificate topic. This course must be approved by the program director. | |

Academic Standards

Students are expected to maintain a minimum cumulative grade-point average of 3.0 in all courses in the certificate and a minimum 2.0 grade in each course for the course to count towards the certificate program.

Effective Fall 2026.

COLLEGE OF EDUCATION

1. Change the requirements for the **Master of Arts and Master of Science** degrees in the College of Education. The University Committee on Graduate Studies (UCGS) approved this request at its November 17, 2025 meeting.

- a. Under the heading **Requirements for the Degree**, make the following changes:

- (1) Replace paragraph two with the following:

Students in any master's program in the College of Education may apply a maximum of 9 credits earned through any combination of courses taken through lifelong education, or in transfer from another institution. Each program may determine if courses are appropriate for the master's program and may allow fewer than 9 credits to be applied to the specific master's program.

Effective Spring 2026.

2. Change the requirements for the **Master of Arts** degree in **Education** in the College of Education. The University Committee on Graduate Studies (UCGS) approved this request at its November 17, 2025 meeting.

The primary concentrations in the Master of Arts degree in Education are noted on the student's academic record when the requirements for the degree have been completed.

- a. Under the heading **Requirements for the Master of Arts Degree in Education** make the following change in item 3.:

- (1) Add the following concentration:

Training for Athlete Development

Effective Spring 2026.

COLLEGE OF HUMAN MEDICINE

1. Change the requirements for the **Graduate Certificate in Public Health** in the Department of Public Health. The University Committee on Graduate Studies (UCGS) approved this request at its October 13, 2025 meeting.

- a. Under the heading **Graduate Certificate in Public Health** make the following changes:

- (1) Replace item 1. with the following:

1.	Complete all of the following courses (18 credits):		
	PH 801	Introduction to Public Health	3
	PH 802	Biostatistics for Public Health	3
	PH 803	Epidemiology and Public Health	3
	PH 804	Public Health Policy and Administration	3
	PH 805	Social and Behavioral Aspects of Public Health	3
	PH 806	Environmental Factors of Health	3

Effective Spring 2026.

2. Establish a **Graduate Certificate in Public Health Data Management and Analytics** in the CS Mott Department of Public Health. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its October 13, 2025 meeting.

a. **Background Information:**

The Master of Public Health Program (MPH) conducted a self-study as part of the Council on Education for Public Health (CEPH) initial accreditation process. Self-study requires reflection on where a program has been, and where it sees itself going in the future. The MPH Program offers optional concentrations upon completion of the 43-credit curriculum, essentially ensuring that students develop skills that are necessary to practice in public health. We currently offer a 6-course graduate certificate in Public Health to students who do not want to complete a full MPH.

Part of the self-study explored how we might create new graduate concentrations as a part of the MPH program, or new certificate programs to offer as stand-alone graduate certificates. The MPH program focuses on applied skills that graduates can take with them to any public health environment. Public health careers will be some of the fastest growing in the country over the next decade. According to the U.S. Bureau of Labor Statistics Occupational Outlook Handbook (<https://www.bls.gov/ooh/>), from 2020 to 2030, employment of statisticians (and biostatisticians) is expected to grow at 35% (ranking in the top 20 fastest growing careers in the U.S.), while a 30% growth rate for epidemiologists is expected. Growth in other public health professions is expected as well, including: environmental scientists and specialists (8%); health education specialists and community health workers (17%); and medical and health research scientists (17%), among others. New graduate MPH certificates/concentrations should provide students with a path to better compete for in-demand careers in public health.

Through a yearlong process, other public health programs in the U.S. were studied to determine which areas were focused on, asked faculty to develop short summaries of potential new certificates/concentrations (and required courses) that aligned with their interests, and over the course of Summer and Fall 2021 semesters, proposals were presented to the Course Directors Committee. Ultimately, we decided to add two new concentrations to the MPH program for students completing the full MPH. These include Rural Public Health, and Data Management and Analytics. The focus of this request to take the three required Public Health Data Management and Analytics concentration courses, and create a new Graduate Certificate in Public Health Data Management and Analytics that includes those courses plus an additional prerequisite course for a total of 12 credits.

b. **Academic Programs Catalog Text:**

The Graduate Certificate in Public Health Data Management and Analytics is designed to equip students with the skills to use various public health and health care data sources for applied public health practice. A data equity framework is integrated into this program to ensure fairness and equality. Students who complete the certificate will access, manage, assess, analyze, and report findings from different data sources commonly used in public health, such as vital records, surveys, and surveillance, as well as health care delivery settings, such as administrative claims and electronic medical records data. Prospective students are encouraged to review <https://mph.msu.edu/> for additional information.

In addition to meeting the requirements of the University and of the College of Human Medicine, students must meet the requirements specified below.

Admission

To be considered for admission to the Graduate Certificate in Public Health Data Management and Analytics, an applicant must:

1. apply through SOPHAS (centralized application system for public health programs);
2. submit an application for Graduate Study at Michigan State University with application fee;
3. have earned a bachelor's degree from a recognized, accredited educational institution;
4. submit three letters of recommendation from professional or academic references;
5. submit a personal statement describing interest in and understanding of public health including professional career goals, and how their experiences, personal and professional, have influenced that interest;
6. submit official transcripts from all post-secondary institutions attended;

7. submit a resume or curriculum vitae;
8. submit official English language proficiency test scores to institution code 1465 (TOEFL, IELTS, MELAB) if applying as an international applicant.

The MPH Admission Committee integrates the academic information, letters of recommendation, and personal statement to make the final admissions decision based on the following considerations:

1. *Academic*: including attributes such as grades, trend in grades, degrees earned, rigors of the degree programs, graduate study admission test scores, research experience, and cognitive skills;
2. *Personal Motivation*: including attributes such as public health experience and insights about public health competencies, health care reform, and other ethical, social, legal, political, and economic aspects of health;
3. *Social Awareness*: including attributes such as community service, experience with persons or groups unlike themselves, leadership, and mentoring experiences, as well as effective communication skills and sensitivity to community concerns.

Requirements for the Graduate Certificate in Public Health Data Management and Analytics

The Graduate Certificate in Public Health Data Management and Analytics is available only online. Students must complete 12 credits as specified below.

			CREDITS
PH	802	Biostatistics for Public Health	3
PH	826	Data Management and Public Health Practice	3
PH	829	Public Health and Healthcare Delivery Data	3
PH	878	Applied Biostatistics for Public Health	3

Students can request a waiver of PH 802 if they can demonstrate equivalent course completion and/or experience. Students without this course or equivalent experience will be required to take PH 802 prior to taking PH 878.

Effective Fall 2026.

3. Establish a **Graduate Certificate in Rural Public Health** in the CS Mott Department of Public Health. The University Committee on Graduate Studies (UCGS) recommended approval of this request at its October 13, 2025 meeting.

a. **Background Information:**

The Master of Public Health Program (MPH) conducted a self-study as part of the Council on Education for Public Health (CEPH) initial accreditation process. Self-study requires reflection on where a program has been, and where it sees itself going in the future. The MPH Program offers optional concentrations upon completion of the 43-credit curriculum, essentially ensuring that students develop skills that are necessary to practice in public health. We currently offer a 6-course graduate certificate in Public Health to students who do not want to complete a full MPH.

Part of the self-study explored how we might create new graduate concentrations as a part of the MPH program, or new certificate programs to offer as stand-alone graduate certificates. The MPH program focuses on applied skills that graduates can take with them to any public health environment. Public health careers will be some of the fastest growing in the country over the next decade. According to the U.S. Bureau of Labor Statistics Occupational Outlook Handbook (<https://www.bls.gov/ooh/>), from 2020 to 2030, employment of statisticians (and biostatisticians) is expected to grow at 35% (ranking in the top 20 fastest growing careers in the U.S.), while a 30% growth rate for epidemiologists is expected. Growth in other public health professions is expected as well, including: environmental scientists and specialists (8%); health education specialists and community health workers (17%); and medical and health research scientists (17%), among others. New graduate MPH certificates/concentrations should provide students with a path to better compete for in-demand careers in public health.

Through a yearlong process, other public health programs in the U.S. were studied to determine which areas were focused on, asked faculty to develop short summaries of potential new certificates/concentrations (and required courses) that aligned with their interests, and over the

course of Summer and Fall 2021 semesters, proposals were presented to the Course Directors Committee. Ultimately, we decided to add two new concentrations to the MPH program for students completing the full MPH. These include Rural Public Health, and Data Management and Analytics. The focus of this request to take the three required Rural Public Health concentration courses, and create a new Graduate Certificate in Rural Public Health.

b. **Academic Programs Catalog Text:**

The Graduate Certificate in Rural Public Health is designed to provide students with skills and knowledge to effectively work as public health leaders and practitioners in rural communities, both globally and domestically. Students will develop an understanding of how unique social, cultural, political, and environmental characteristics of rural communities, as well as structural, systemic, and historical influences, affect everything from rural health and well-being to public health and health care delivery, policy development, collaborative opportunities, and advocacy strategies. Prospective students are encouraged to review <https://mph.msu.edu/> for additional information.

In addition to meeting the requirements of the University and of the College of Human Medicine, students must meet the requirements specified below.

Admission

To be considered for admission to the Graduate Certificate in Public Health Data Management and Analytics, an applicant must:

1. apply through SOPHAS (centralized application system for public health programs);
2. submit an application for Graduate Study at Michigan State University with application fee;
3. have earned a bachelor's degree from a recognized, accredited educational institution;
4. submit three letters of recommendation from professional or academic references;
5. submit a personal statement describing interest in and understanding of public health including professional career goals, and how their experiences, personal and professional, have influenced that interest;
6. submit official transcripts from all post-secondary institutions attended;
7. submit a resume or curriculum vitae;
8. submit official English language proficiency test scores to institution code 1465 (TOEFL, IELTS, MELAB) if applying as an international applicant.

The MPH Admission Committee integrates the academic information, letters of recommendation, and personal statement to make the final admissions decision based on the following considerations:

1. *Academic:* including attributes such as grades, trend in grades, degrees earned, rigors of the degree programs, graduate study admission test scores, research experience, and cognitive skills;
2. *Personal Motivation:* including attributes such as public health experience and insights about public health competencies, health care reform, and other ethical, social, legal, political, and economic aspects of health;
3. *Social Awareness:* including attributes such as community service, experience with persons or groups unlike themselves, leadership, and mentoring experiences, as well as effective communication skills and sensitivity to community concerns.

Requirements for the Graduate Certificate in Rural Public Health

The Graduate Certificate in Rural Public Health is available only online. Students must complete 9 credits as specified below.

			CREDITS
PH	830	Foundations of Rural Public Health	3
PH	834	Drivers of Rural Health	3
PH	839	Rural Public Health Policy and Advocacy	3

JAMES MADISON COLLEGE

1. Change the requirements for the **Bachelor of Arts** degree in **James Madison College [Social Relations and Policy]**. The Teacher Education Council (TEC) approved this request at its November 6, 2025 meeting.

a. Under the heading **Requirements for the Bachelor of Arts Degree in James Madison College** make the following changes:

(1) Under the heading **Social Relations and Policy** make the following change:

(a) In item 1. b. delete the following course:

PLS	201	Introduction to Methods of Political Analysis	4
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Add the following courses:

MC	294	Qualitative Research Methods	4
PLS	201	Introduction to Methods of Political Analysis	3

Add the following note:

MC 294 may not be used to fulfill both requirement b. and c.

(b) In item 1. c. delete the following course:

MC	395	Cultural Dimensions of Public Affairs	4
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Add the following courses:

MC	294	Qualitative Research Methods	4
MC	333	Performance, Politics and Nation	4
MC	342	Social Economics of the World: Class, Race and Gender	4

Add the following note:

MC 294 may not be used to fulfill both requirement b. and c.

Remove MC 395 from the existing note.

Effective Spring 2026.

COLLEGE OF NATURAL SCIENCE

1. Establish a **Bachelor of Science** degree in **Earth and Environmental Sciences** in the Department of Earth and Environmental Sciences. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its October 9, 2025 meeting.

a. **Background Information:**

The current degrees in Environmental Geosciences and in Geological Sciences are being discontinued and combined into a single degree to better reflect demands both for the work force and academia. It will improve enrollment, equity, and employability.

Other peer institutions offer degrees in Earth and Environmental Sciences including the University of Michigan, Arizona State University, University of Minnesota, University of Nevada Las Vegas, University of Illinois Chicago, and others.

Development of this new program was informed by resources including "Vision and Change in the Geosciences - The Future of Undergraduate Geoscience Education" produced by the American Geosciences Institute.

<https://www.americangeosciences.org/news/press-releases/vision-and-change-in-the-geosciences-future-of-undergraduate-geoscience-education-report-released/>

The B.S. degree in Earth and Environmental Sciences will prepare students to attend graduate school or enter the work force after graduation in fields including geology, environmental science, and planetary science. The degree allows students to work in a multidisciplinary setting and offers flexibility to focus in specific disciplines intersecting physics, chemistry, biology, data science, and geological and environmental sciences. Relative to programs in environmental social science and policy, this program offers deeper quantitative and scientific training needed for careers; relative to engineering, Earth and environmental sciences approach the natural world with an investigative perspective to explain mechanisms and predict phenomena.

b. **Academic Programs Catalog Text:**

The Bachelor of Science degree in Earth and Environmental Sciences prepares students to enter the work force after graduation in fields including geology, environmental science, and planetary science. Students can work in a multidisciplinary setting and have flexibility to focus in specific disciplines intersecting physics, chemistry, biology, data science, and geological and environmental sciences. The degree offers deep quantitative and scientific training needed for careers; relative to engineering, Earth and environmental sciences approach the natural world with an investigative perspective to explain mechanisms and predict phenomena.

Requirements for the Bachelor of Science Degree in Earth and Environmental Sciences

CREDITS

2. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Science Degree in Earth and Environmental Sciences.

The University's Tier II writing requirement for the Earth and Environmental Sciences major is met by completing three of the following courses: GLG 361, GLG 401, GLG 412, GLG 431, GLG 435, GLG 445, or GLG 491. Those courses are referenced in item 3. below.

Students who are enrolled in the College of Natural Science may complete the alternative track to Integrative Studies in Biological and Physical Sciences that is described in item 1. under the heading *Graduation Requirements* in the College statement. Certain courses referenced in requirement 3. below may be used to satisfy the alternative track.

2. The requirements of the College of Natural Science for the Bachelor of Science degree.

Certain courses referenced in requirement 3. below may be counted toward College requirements as appropriate.

3. The following requirements for the major:

CREDITS

- a. The following courses outside the Department of Earth and Environmental Sciences (23 to 31 credits):

(1)	One of the following Chemistry I courses (4 credits):			
	CEM	141	General Chemistry	4
	CEM	151	General and Descriptive Chemistry	4
	CEM	181H	Honors Chemistry I	4
	LB	171	Principles of Chemistry I	4
(2)	One of the following Chemistry II courses (3 or 4 credits):			
	CEM	142	General and Inorganic Chemistry	4
	CEM	152	Principles of Chemistry	4
	CEM	182H	Honors Chemistry II	4
	LB	172	Principles of Chemistry II	3
	MSE	250	Materials Science and Engineering	3
(3)	One of the following Chemistry laboratory courses (1 or 2 credits):			
	CEM	161	Chemistry Laboratory I	1
	CEM	185H	Honors Chemistry Laboratory I	2
	LB	171L	Introductory Chemistry Laboratory I	1
(4)	One of the following Physics I courses (3 or 4 credits):			
	PHY	183	Physics for Scientists and Engineers I	4
	PHY	193H	Honors Physics I – Mechanics	4

		PHY	221	Studio Physics for Life Scientists I	4
		PHY	231	Introductory Physics I	3
		LB	273	Physics I	4
(5)	One of the following Physics II courses (3 to 5 credits):				
		PHY	174	Studio Physics for Scientists and Engineers II	5
		PHY	184	Physics for Scientists and Engineers II	4
		PHY	222	Studio Physics for Life Scientists II	4
		PHY	232	Introductory Physics II	3
		PHY	294H	Honors Physics II – Electromagnetism	4
		LB	274	Physics II	4
(6)	One of the following Calculus I courses (3 or 4 credits):				
		MTH	124	Survey of Calculus I	3
		MTH	132	Calculus I	3
		MTH	152H	Honors Calculus I	3
		LB	118	Calculus I	4
(7)	One of the following courses (3 or 4 credits):				
		MTH	126	Survey of Calculus II	3
		MTH	133	Calculus II	4
		MTH	153H	Honors Calculus II	4
		LB	119	Calculus II	4
		STT	231	Statistics for Scientists	3
		STT	421	Statistics I	3
(8)	One of the following computational methods or geospatial course sequences: (3 or 4 credits):				
	(a)	GEO	221	Introduction to Geographic Information	3
		GEO	221L	Introduction to Geographic Information Laboratory	1
	(b)	FOR	419	Applications of Geographic Information Systems to Natural Resources Management	4
	(c)	CMSE	201	Introduction to Computational Modeling and Data Analysis I	4
	(d)	GLG	307	Introduction to Computation in Earth and Environmental Sciences	3
b.	One of the following courses/sequences (4 credits):				
	(1)	GLG	200	Introduction to Environmental Science and Global Change	4
	(2)	GLG	201	Introduction to Earth and Planetary Sciences	4
	(3)	GLG	203	Geology of the Great Lakes Region	3
		GLG	203L	Geology of the Great Lakes Region Laboratory	1
c.	Both of the following courses (8 credits):				
		GLG	304	Physical and Biological History of the Earth	4
		GLG	321	Introduction to Geochemistry	4
d.	Two of the following courses (8 credits):				
		GLG	361	Introduction to Volcanoes and Igneous Rocks (W)	4
		GLG	421	Environmental Geochemistry	4
		GLG	431	Sedimentology and Stratigraphy	4
		GLG	471	Applied Geophysics	4
e.	Three of the following writing-intensive courses, which can also satisfy requirement 3.d. or 3.f. (11 to 14 credits):				
		GLG	361	Introduction to Volcanoes and Igneous Rocks (W)	4
		GLG	401	Structure and Mechanics of the Earth (W)	4
		GLG	412	Glaciers, Ice, and Climate Change (W)	4
		GLG	431	Sedimentology and Stratigraphy	4
		GLG	435	Geomicrobiology (W)	4
		GLG	445	Planetary Sciences	3

	GLG	491	Field Geology – Summer Camp (W)	6
f.	One of the following courses, which can also satisfy requirement 3.e. (3 to 6 credits):			
	GLG	422	Field Methods in Earth and Environmental Science	3
	GLG	491	Field Geology – Summer Camp (W)	6
	GLG	493	Field Studies in Geological Sciences	3
g.	Additional courses in Earth and Environmental Sciences to reach a total of 47 credits in GLG. This may be satisfied with any other GLG course not already counted towards other requirements, including but not limited to the list below:			
	GLG	200	Introduction to Environmental Science and Global Change	4
	GLG	201	Introduction to Earth and Planetary Sciences	4
	GLG	303	Oceanography	3
	GLG	306	Environmental Geomorphology	3
	GLG	307	Introduction to Computation in Earth and Environmental Sciences	3
	GLG	330	Biogeochemistry	3
	GLG	361	Introduction to Volcanoes and Igneous Rocks (W)	4
	GLG	380	Natural Resources, the Energy Transition, and the Environment	3
	GLG	401	Structure and Mechanics of the Earth (W)	4
	GLG	411	Hydrogeology	3
	GLG	412	Glaciers, Ice, and Climate Change (W)	4
	GLG	421	Environmental Geochemistry	4
	GLG	422	Field Methods in Earth and Environmental Science	3
	GLG	431	Sedimentology and Stratigraphy	4
	GLG	434	Evolutionary Paleobiology	4
	GLG	435	Geomicrobiology (W)	4
	GLG	444	Cosmochemistry	3
	GLG	445	Planetary Sciences	3
	GLG	446	Sustainable Food Systems	3
	GLG	470	Solid Earth Geophysics and Geodynamics	3
	GLG	471	Applied Geophysics	4
	GLG	491	Field Geology - Summer Camp (W)	6
	GLG	493	Field Studies in Geological Sciences	3

Effective Fall 2026.

2. Change the requirements for the **Disciplinary Teaching Minor in Mathematics-Secondary** in the Department of Mathematics. The Teacher Education Council (TEC) approved this request at its November 6, 2025 meeting.

a. Under the heading **Mathematics-Secondary** make the following changes:

- (1) In item 5., delete the following course:

TE	409	Crafting Teaching Practice in the Secondary Teaching Minor	1
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Add the following courses:

TE	314	Clinical Experiences in Mathematics Education I	3
TE	415	Seminar in Mathematics Education I	3

- (2) Change the total credits from '23 to 26' to '28 to 31'.

Effective Spring 2026.

COLLEGE OF NURSING

1. Change the requirements for the **Bachelor of Science in Nursing** degree in **Nursing** in the College of Nursing. The University Committee on Undergraduate Education (UCUE) approved this request at its November 13, 2025 meeting.
 - a. Under the heading **Admission to the Accelerated Second Bachelor's Degree Program** make the following changes:
 - (1) Delete the following courses:

ANTR	350	Human Gross Anatomy for Pre-Health Professionals	3
MMG	201	Fundamentals of Microbiology	3
NUR	301	Clinical Pathophysiology	3
PHM	350	Introductory Human Pharmacology	3

Add the following courses:

ANTR	350	Human Gross Anatomy for Pre-Health Professionals	4
MGI	201	Fundamentals of Microbiology	3
 - (2) Delete the following note:

Nursing 300 or 301 must be completed within five years of program start.

Effective Spring 2026.

2. Change the requirements for the **Doctor of Nursing Practice** degree in **Nursing Practice**. The University Committee on Graduate Studies (UCGS) approved this request at its November 17, 2025 meeting.

The concentrations in the Doctor of Nursing Practice degree in Nursing Practice are noted on the student's academic record when the requirements for the degree have been completed.

 - a. Under the heading **Requirements for the Doctor of Nursing Practice Degree in Nursing Practice** make the following changes:
 - (1) In item 1., delete the following course:

EPI	840	Clinical Epidemiology for Healthcare Practice	3
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Add the following course:

NUR	914	Biostatistics for the APRN	3
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 - (2) In item 2., under the **Nurse Anesthesia** concentration, delete the following courses:

ANTR	541	Gross Anatomy for Nurse Anesthetists	4
NUR	909	Advanced Pharmacology for the Advance Practice Registered Nurse	3

Add the following courses:

NUR	945	Basic Pharmacology for Nurse Anesthesia	3
NUR	946	Principles of Regional Anesthesia and Point-of-Care Ultrasound	4

Effective Spring 2026.

COLLEGE OF SOCIAL SCIENCE

1. Change the requirements for the **Minor in Contemporary Global Studies** in the College of Social Science.

a. Under the heading **Minor in Contemporary Global Studies** make the following changes:

(1) In item 1., delete the following course:

SSC	299	Integration of Social Science Perspectives	3
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Add the following course:

IDS	299	Introduction to Interdisciplinary Inquiry	3
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(2) In item 5., delete the following course:

SSC	495	Interdisciplinary Research Methods	3
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Add the following course:

IDS	495	Interdisciplinary Research Methods	3
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Effective Spring 2026.

2. Change the requirements for the **Bachelor of Arts** degree in **Global and International Studies in Social Science** in the College of Social Science.

a. Under the heading **Bachelor of Arts Degree in Global and International Studies in Social Science** make the following changes:

(1) In item b., delete the following courses:

SSC	299	Integration of Social Science Perspectives	3
SSC	495	Interdisciplinary Research Methods	3
SSC	499	Capstone in Interdisciplinary Studies in Social Science (W)	3

Add the following courses:

IDS	299	Introduction to Interdisciplinary Inquiry	3
IDS	495	Interdisciplinary Research Methods	3
IDS	499	Capstone in Interdisciplinary Studies in Social Science (W)	3

(2) In item c., under the **Asian Studies** concentration, delete the following course:

DS	481	Indian Film and Media Production	8 to 12
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(3) In item c., under the **European and Russian Studies** concentration, delete the following course:

JRN	486	British and Irish Mass Media Education Abroad	6
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(4) In item c., under the **Global Health** concentration, delete the following course:

UP	400	Special Topics in Urban Planning	2 to 4
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Add the following course:

UP	473	Healthy Cities	2 to 4
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- (5) In item c., under the **International Development** concentration, delete the following courses:

CSS	101	Introduction to Crop Science	3
CSS	120	Issues in Food and Agriculture	3
CSS	431	International Agriculture Systems	3

Add the following courses:

CROP	101	Introduction to Crop Science	3
CROP	120	Issues in Food and Agriculture	3
CROP	431	International Agriculture Systems	3

Effective Fall 2026.

3. Change the requirements for the **Bachelor of Arts and Bachelor of Science** degree in **Interdisciplinary Studies in Social Science** in the College of Social Science.

The concentrations in the Bachelor of Arts and Bachelor of Science degrees in Interdisciplinary Studies in Social Science will be noted on the student's academic record when the requirements for the degree have been completed.

- a. Under the heading **Requirements for the Bachelor of Arts or Bachelor of Science Degree in Interdisciplinary Studies in Social Science** make the following changes:

- (1) In item 3., change the requirement to 'Three of the following courses with no more than one from each discipline', and remove the 'or' between GEO 151 and GEO 204.

- (2) In item 4., delete the following courses:

SSC	299	Integration of Social Science Perspectives	3
SSC	495	Interdisciplinary Research Methods	3
SSC	499	Capstone in Interdisciplinary Studies in Social Science (W)	3

Add the following courses:

IDS	299	Introduction to Interdisciplinary Inquiry	3
IDS	495	Interdisciplinary Research Methods	3
IDS	499	Capstone in Interdisciplinary Studies	3

- (3) In item 5., change the label of 'Cognate' to 'Concentration' and all references of 'cognate' to 'concentration'.

- (4) In the **Integrative Studies Concentration** change the credit requirement from '15' to '12'.

Effective Spring 2026.

4. Change the requirements for the **Master of Arts** degree in **Anthropology** in the Department of Anthropology. The University Committee on Graduate Studies (UCGS) approved this request on November 17, 2025.

- a. Under the heading **Admission** replace the entire entry with the following:

Students applying for admission to the master's degree program in anthropology must be currently enrolled in the Ph.D. degree program in Anthropology.

Effective Spring 2026.

PART II - NEW COURSES

COLLEGE OF ARTS AND LETTERS

- AHHW 100 Introduction to Arts and Humanities Health and Well-being
Fall of every year. 3(3-0)
Examines how inequity and mental health crises threaten the resilience of the health system. Involves workshops, art engagement, experiential programming, and conversations with practitioners, providers, and community members for actionable change.
Effective Fall Semester 2026
- AHHW 300 Compassionate Care for the Helping Professions
Spring of every year. 3(3-0)
Provides interdisciplinary background and applied training in the values, virtues, and sustainable practice of compassionate care in helping professions. Explores how the practice of compassionate care enhances health outcomes and sustains well-being.
Effective Fall Semester 2026
- AHHW 310 Technical Writing and Health Communications in a Context of Compassion and Equity
Spring of every year. 3(3-0)
Focused on health communications locally and globally, including patient advocacy and healthcare coordination, cultural competence and health equity, ethics and innovation, and user-centered and accessible communications in community contexts.
Effective Fall Semester 2026
- AHHW 346 Transcultural Approaches to Bioethics
On Demand. 3(3-0) Interdepartmental with Philosophy
Investigations of social differences in bioethics, addressing intersectionality of social identities and situated knowledge of marginalized groups. Includes experiential learning about cultural practices and cultural and social differences.
Effective Fall Semester 2026
- AHHW 350 Equity in Healthcare
On Demand. 3(3-0)
Engagement with systemic disparities in healthcare delivery, policy, and practice, including social determinants of health, legal and institutional structures of healthcare, and the impact of culture and religion on health access and well-being. Use of case studies, research analysis, discussions, and methods and theories drawn from the humanities and liberal studies.
Effective Fall Semester 2026
- AHHW 391 Special Topics in Engaged Arts and Well-being
On Demand. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
Topics vary. Supplements regular course offerings, proposed by faculty on a group study basis.
Effective Fall Semester 2026
- AHHW 392 Special Topics in Critical Health Humanities
On Demand. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course.
Topics vary. Supplements regular course offerings, proposed by faculty on a group study basis.
Effective Fall Semester 2026
- AHHW 448 Rhetorics of Disability Experience (W)
On Demand. 3(3-0) P: Completion of Tier I Writing Requirement
Analyze definitions and framings of disability and chronic illness in academic study, technology, the field of rhetoric, and popular culture; evaluate and extend rhetorical arguments about disability, ableism, chronic illness, and accessibility; create multimodal assignments that center the needs and experiences of disabled people; and develop empathy and comfort with diverse experiences and people through self-reflection.
Effective Fall Semester 2026

- AHHW 490 Independent Study
On Demand. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: Completion of Tier I Writing Requirement
Arranged by a student and faculty member to supplement regular course offerings. Special projects; directed reading and research.
Effective Fall Semester 2026
- AHHW 493 Internship
On Demand. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: Completion of Tier I Writing Requirement
Supervised pre-health field experience related to well-being, health, and healthcare.
Effective Fall Semester 2026
- AHHW 499 Senior Capstone (W)
On Demand. 3(3-0) P: Completion of Tier I Writing Requirement R: Not open to freshmen.
Individual research or capstone project supervised by a faculty member who demonstrates ability to do independent research or engage in public/applied scholarship.
Effective Fall Semester 2026

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- CSE 420 Computer Architecture
Spring of odd years. 3(3-0) P: (CSE 232 and CSE 260) and CSE 325 R: Open to juniors or seniors in the College of Engineering or in the Computer Science Minor or in the Lyman Briggs Computer Science Coordinate Major or in the Lyman Briggs Computer Science Major or in the Computer Science Disciplinary Teaching Minor.
- REINSTATEMENT Fundamental organization and architecture of computer systems.
SA: CPS 420
Effective Spring Semester 2026

DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES

- GLG 307 Introduction to Computation in Earth and Environmental Sciences
Spring of even years. 3(3-0) P: (MTH 124 or MTH 132 or MTH 152H or LB 118) and (LB 273 or PHY 183 or PHY 231 or PHY 193H or PHY 221)
Programming and computational skills applied to Earth and Environmental Sciences.
Foundational concepts in mathematics and physics, file systems and input/output, scripting, variables, operations, functions, data visualization, solving equations, curve fitting, and basic data analysis.
Effective Fall Semester 2026

DEPARTMENT OF FISHERIES AND WILDLIFE

- FW 449 Wildlife Policy
Spring of odd years. 3(2-2) RB: IBIO 355 and FW 364 R: Not open to freshmen or sophomores or approval of department.
- REINSTATEMENT Controversial issues in wildlife policy. Science and political analysis drawing on ecology, economics, sociology. Argument analysis.
Effective Spring Semester 2026
- FW 449L Wildlife Policy – Study Away
Spring of odd years. 1(0-3) P: FW 449 or concurrently or approval of department; application required R: Not open to freshmen or sophomores.
- REINSTATEMENT Onsite examination of controversial issues of in wildlife policy. Field trip required.
Effective Spring Semester 2026

COLLEGE OF LAW

- LAW 535Z Unfair Competition and Intellectual Property: Law and Practice
On Demand. 0 to 6 credits. R: Open to students in the College of Law. Not open to students with credit in LAW 535U.
Origin, theory, and elements of trade secret, restrictive covenant, and unfair competition law, with a special emphasis on how these cases are litigated, and the proper drafting of enforceable restrictions.
Effective Spring Semester 2026
- LAW 538B AI and Business Law
On Demand. 0 to 6 credits. P: LAW 500M R: Open to students in the College of Law.
Artificial intelligence and the transformation of business law, focusing on regulatory challenges, compliance strategies, governance implications, and the evolving role of lawyers in technology-driven business environments.
Effective Spring Semester 2026
- LAW 545T Talsky Center Practicum
On Demand. 0 to 6 credits. R: Open to students in the College of Law.
Human rights research and advocacy while learning nontraditional legal analysis and writing skills surrounding issues affecting children's rights globally and at the national and decentralized (local) levels.
Effective Spring Semester 2026
- LAW 603C Real Estate Transactions
On Demand. 0 to 6 credits. P: LAW 500G R: Open to students in the College of Law.
An exploration of real estate transactions. Students will learn and develop the skills needed to guide clients through real estate transactions through lectures and simulations.
Effective Spring Semester 2026

COLLEGE OF NATURAL SCIENCE

- NSC 103 Success Strategies
Fall of every year. Spring of every year. 2(2-0) R: Approval of department.
- REINSTATEMENT Development/improvement of academic success skills, including time management, goal setting, growth mindset, study strategies.
Effective Fall Semester 2026

COLLEGE OF OSTEOPATHIC MEDICINE

- OST 220 Introduction to Healthcare Delivery in the U.S
Fall of every year. Spring of every year. 3(3-0)
Foundations, historical underpinnings, federal systems (Medicare, Medicaid, CHIP, Tricare, VA), policies, financing, insurance, technology, R & D, oversight/safety/quality, providers, hospitals, managed-care, specialties, populations, local/community systems. Inclusive healthy society.
Effective Spring Semester 2026
- OST 320 Globally Comparative Healthcare Systems
Fall of every year. Spring of every year. 3(3-0) P: OST 220 or approval of department
Exploration of healthcare systems across the globe, exploring their structures, financing mechanisms, and performance outcomes. Students will analyze various models using comparative frameworks, focusing on access, quality, cost, and equity.
Effective Fall Semester 2026

DEPARTMENT OF PHILOSOPHY

- PHL 215 Buddhist Philosophy
Fall of every year. 3(3-0)
A survey of historic and contemporary Buddhist philosophy. Topics such as personal identity, the nature of reality, suffering, direct experience, and compassion.
Effective Fall Semester 2026

- PHL 357 Philosophy of Karl Marx
Spring of every year. 3(3-0) RB: One PHL course.
Marx's philosophical thought and its bearing on science, religion, art and politics.
Effective Spring Semester 2026
- PHL 442 Ethics and Animals
Fall of odd years. 3(3-0) R: Open to juniors or seniors or graduate students.
- REINSTATEMENT Moral standing for non-human animals, basis for human moral obligations to animals, animal's cognitive abilities. Ethics of using animals in specific ways: medical research, for food, in zoos, in the wild and in biotechnology.
Effective Spring Semester 2026

DEPARTMENT OF PSYCHOLOGY

- PSY 415 Neuroscience of Human and Animal Emotions (W)
Fall of every year. Spring of every year. 3(3-0) P: (PSY 209 or NEU 300 or NEU 301) and (PSY 295 or STT 231) and PSY 395 and Completion of Tier I Writing Requirement R: Open to juniors or seniors in the Department of Psychology.
Advanced course in biological psychology/behavioral neuroscience with an emphasis on the brain and other factors regulating emotions.
Effective Fall Semester 2026

DEPARTMENT OF RELIGIOUS STUDIES

- GNL 827 Nonprofit Institutions and Civil Society in a Global Context
Spring of every year. 2(2-0)
- REINSTATEMENT Engaging in comparative analysis of nonprofit institutions that make up global civil society. Various theories of how socio-economic forces cause the formation of non-state, non-business organizations to exist. Examine research, data and working papers that underlie criteria for identifying and describing nonprofit institutions and civil society in any country.
Effective Spring Semester 2026
- REL 365 Evangelicalism in the U.S.
Fall of every year. 3(3-0)
- REINSTATEMENT History, culture, beliefs, and practices of American evangelicalism.
Effective Spring Semester 2026
- REL 441 Devotional Hinduism (W)
Fall of odd years. 3(3-0) P: Completion of Tier I Writing Requirement R: Not open to freshmen.
- REINSTATEMENT Historical, philosophical, and doctrinal development of Bhakti Hinduism (devotional Hinduism) of North India from the 12th to the 18th century.
Effective Spring Semester 2026

DEPARTMENT OF ROMANCE AND CLASSICAL STUDIES

- FRN 103 Intensive Elementary French Abroad I
Summer of every year. 3(2-2) Not open to students with credit in FRN 101.
- REINSTATEMENT Build foundations for continued development in competency in the spoken and written French language through a variety of texts, videos, and multimedia to present contemporary culture in the French-speaking world.
Effective Summer Semester 2026
- FRN 104 Intensive Elementary French Abroad II
Summer of every year. 3(2-2) P: (FRN 101 or FRN 103) or designated score on French Placement test Not open to students with credit in FRN 102.
- REINSTATEMENT Expand knowledge to ensure continued development in competency in the spoken and written French language through a variety of texts, videos, and multimedia to present contemporary culture in the French-speaking world.
Effective Summer Semester 2026

DEPARTMENT OF SMALL ANIMAL CLINICAL SCIENCES

SCS 672 Community Medicine and Surgery Clerkship
Fall of every year. Spring of every year. Summer of every year. 3(3-0) R: Open to veterinary medicine students in the College of Veterinary Medicine or in the Professional Program in Veterinary Medicine.
Hands-on surgical experience in a mobile clinical setting. Traveling across Michigan, students perform spay/neuter and soft tissue procedures in community locations like shelters and underserved rural areas, building skills in surgery, anesthesia, patient care, and professional communication in resource-limited environments.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
Effective Spring Semester 2026

PART III – COURSE CHANGES

DEPARTMENT OF ADVERTISING AND PUBLIC RELATIONS

- ADV 823 Consumer Behavior Theories
Fall of every year. 3(3-0)
Concepts and theories from behavioral sciences applied to consumer decision making. Application of theories to develop consumer behavior research studies, advertising and public relations programs. Interpersonal and mass communication applied to consumer decision making.
DELETE COURSE
Effective Fall Semester 2025
- ADV 830 Seminar in Social Marketing
Spring of every year. 3(3-0) Interdepartmental with Marketing
In-depth reading and critical thinking about theories and principles in social marketing. Application of theory and empirical research to evaluating and planning social marketing programs.
DELETE COURSE
Effective Fall Semester 2025

COLLEGE OF ARTS AND LETTERS

- AL 250 Career Strategies for Arts and Letters Students
Fall of every year. Spring of every year. 1(1-0) ~~RB: Declared major preference in the College of Arts and Letters. RB: Declared major in the College of Arts and Letters required. R: Open to undergraduate students in the College of Arts and Letters.~~ R: Open to undergraduate students in the College of Arts and Letters or in the African American and African Studies Major or in the Apparel and Textile Design Major or in the Apparel and Textiles Major or in the Arabic Major or in the Art Education Major or in the Art History and Visual Culture Major or in the Arts and Letters - General Major or in the Chinese Major or in the English Major or in the Experience Architecture Major or in the Film Studies major or in the French Major or in the French Education Major or in the German Major or in the Global Studies in the Arts and Humanities Major or in the Graphic Design Major or in the Humanities-Prelaw Major or in the Interdisciplinary Humanities Major or in the Japanese Major or in the Korean Major or in the Linguistics Major or in the Nonprofit Leadership, Religion, and Social Change Major or in the Philosophy Major or in the Professional and Public Writing Major or in the Religious Studies Major or in the Russian Major or in the Spanish Education Major or in the Bachelor of Fine Arts in Studio Art or in the Studio Art Major or in the Bachelor of Arts Theatre Major or in the Bachelor of Fine Arts Theatre Major.
Identify, explore, and prepare for suitable career options. Topics include self-assessment, career development strategies, and job search skills.
Effective Spring Semester 2026
- AL 460 ~~Advanced Career Strategies~~ Advanced Career Strategies for Arts and Letters Students
Fall of every year. Spring of every year. 1(1-0) ~~RB: Completion of AL 250 or basic level of career readiness/preparation prior to enrollment. R: Open to undergraduate students in the College of Arts and Letters.~~ R: Open to undergraduate students in the College of Arts and Letters or in the African American and African Studies Major or in the Apparel and Textile Design Major or in the Apparel and Textiles Major or in the Arabic Major or in the Art Education Major or in the Art History and Visual Culture Major or in the Arts and Letters - General Major or in the Chinese Major or in the English Major or in the Experience Architecture Major or in the Film Studies major or in the French Major or in the French Education Major or in the German Major or in the Global Studies in the Arts and Humanities Major or in the Graphic Design Major or in the Humanities-Prelaw Major or in the Interdisciplinary Humanities Major or in the Japanese Major or in the Korean Major or in the Linguistics Major or in the Nonprofit Leadership, Religion, and Social Change Major or in the Philosophy Major or in the Professional and Public Writing Major or in the Religious Studies Major or in the Russian Major or in the Spanish Education Major or in the Bachelor of Fine Arts in Studio Art or in the Studio Art Major or in the Bachelor of Arts Theatre Major or in the Bachelor of Fine Arts Theatre Major.
Final career preparation efforts, such as job search strategies, interviewing tips, assessing work-life fit, and negotiation strategies. Reflection and articulation of relevant skills and experiences through the creation of professional documents, and portfolios.
Effective Summer Semester 2026

DEPARTMENT OF CHEMICAL ENGINEERING AND MATERIALS SCIENCE

- MSE 260 Electronic, Magnetic, Thermal, and Optical Properties of Materials
Spring of every year. ~~3(3-0) P: (MSE 250) and ((PHY 184 or concurrently) or (PHY 184B or concurrently) or (PHY 294H or concurrently) or (LB 274 or concurrently))~~ P: (MSE 250) and ((PHY 184 or concurrently) or (PHY 294H or concurrently) or (PHY 232 or concurrently) or (LB 274 or concurrently))
Processing, structures, and properties of ceramics, polymers, and composites. Electrical, thermal, magnetic and optical properties of materials. Materials selection and design.
SA: MSE 350
Effective Fall Semester 2026

DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES

- GLG 200 Introduction to Environmental Science and Global Change
~~Fall of every year. Spring of every year. Fall of every year.~~ 4(3-2)
~~Tools and knowledge to understand our earth systems and current issues in the environmental sciences and global change. Use of geology, physics, chemistry, and biology to explore concepts and case studies across local, regional, and global scales. Build the environmental science foundation for communicating and working across disciplines to solve problems in society.~~ Tools and knowledge to understand our earth systems and current issues in the environmental sciences and global change. Explore concepts and case studies across local, regional, and global scales. Build the environmental science foundation for communicating and working across disciplines to solve problems in society.
Effective Fall Semester 2026
- GLG 203L Geology of the Great Lakes Region Laboratory
On Demand. 1(0-2) P: ~~(GLG 203 or concurrently) or (GLG 304 or concurrently)~~ P: GLG 203 Not open to students with credit in GLG 201.
Laboratory investigation of physical, chemical, and biological phenomena and processes in Earth systems. Experiential study and tools for characterizing and describing Earth materials and observations.
Effective Spring Semester 2026
- GLG 304 Physical and Biological History of the Earth
~~Spring of every year. Fall of every year.~~ 4(3-2) P: ~~GLG 201 or ISP 203A~~ P: GLG 201 or ISP 203A or GLG 200 or GLG 203
~~Origin of the Earth. Differentiation of the Earth's core, mantle, and crust. Lithospheric tectonics over geologic time. Origin and evolution of the Earth's hydrosphere, atmosphere and climate. Origin and evolutionary history of biological life. Interactions of life with the Earth's endogenic and exogenic systems.~~ Integrated physical and biological history of the Earth. Origin of the geosphere, atmosphere, hydrosphere, and biosphere. Lithospheric tectonics over geologic time. Interactions of life with the Earth's endogenic and exogenic systems. Field trip required.
SA: ~~GLG 202~~
Effective Fall Semester 2026
- GLG 321 ~~Mineralogy and Geochemistry~~ Introduction to Geochemistry
~~Fall of every year. Spring of every year.~~ 4(3-2) P: ~~(GLG 201) and (CEM 142 or CEM 152 or CEM 182H or LB 172 or MSE 250) and (MTH 132 or MTH 152H or LB 118 or MTH 124)~~ P: (GLG 201 or GLG 200 or GLG 203L) and (CEM 141 or CEM 151 or CEM 181H or LB 171) and ((MTH 132 or concurrently) or (MTH 152H or concurrently) or (LB 118 or concurrently) or (MTH 124 or concurrently))
~~Earth materials and their origin, modification, structure, dynamics and history. Crystallography and crystal chemistry, and geochemical properties and processes in mineral crystallization and recrystallization. Analytical identification and characterization of minerals in their lithologic context.~~ Chemical behavior and interaction in the Earth system. Origin, modification, structure, dynamics and history of Earth materials. Crystallography and crystal chemistry, and geochemical properties and processes in mineral crystallization and recrystallization. Thermodynamics and kinetics applied to Earth systems.
Effective Fall Semester 2026

- GLG 361 ~~Igneous and Metamorphic Geochemistry and Petrology (W)~~
~~Introduction to Volcanoes and Igneous Rocks (W)~~
Spring of every year. 4(3-2) P: (GLG 321) and completion of Tier I writing requirement
~~Evolution, origin, occurrence and tectonic setting of igneous and metamorphic rocks. Phase relations of igneous and metamorphic systems. Studies of rocks in thin sections. Field trip required.~~
~~Evolution, origin, occurrence and tectonic setting of igneous rocks. Volcanic process and hazards. Phase relations of igneous systems. Studies of rocks in thin sections. Field trip required.~~
SA: GLG 461
Effective Fall Semester 2026
- GLG 401 ~~Global Tectonics and Earth Structure (W)~~ Structure and Mechanics of the Earth (W)
Fall of every year. 4(3-2)-P: ~~((GLG 304) and completion of Tier I writing requirement) and (MTH 114 or MTH 116 or MTH 124 or MTH 132 or MTH 152H or LB 118) and (PHY 183 or PHY 183B or PHY 231 or PHY 231C or LB 273 or PHY 193H or PHY 173 or PHY 221 or PHY 241) P: ((GLG 304) and completion of Tier I writing requirement) and (MTH 114 or MTH 116 or MTH 124 or MTH 132 or MTH 152H or LB 118) and (PHY 183 or PHY 221 or PHY 231 or PHY 193H or LB 273) and GLG 321~~
~~Structural geology, geological and geophysical methods of studying the structure and dynamics of the earth and planets. Plate kinematics and global geodynamic processes, plate margin processes and evolution, marine geology. Field trip required.~~
~~Structural geology; stress, strain, and rock deformation; geological and geophysical methods of studying the structure and dynamics of the earth and planets. Field trip required.~~
SA: GLG 374
Effective Fall Semester 2026
- GLG 411 Hydrogeology
Fall of every year. 3(3-0)-RB: MTH 114 or MTH 116 or MTH 124 or MTH 126 or MTH 132 or MTH 133 or LB 118 or LB 119 or MTH 152H or MTH 153H R: Not open to freshmen or sophomores.
Source, occurrence, and movement of groundwater emphasizing geologic factors and controls.
Effective Fall Semester 2026
- GLG 412 ~~Glacial Geology and the Record of Climate Change~~ Glaciers, Ice, and Climate Change (W)
Spring of every year. 4(3-2) P: (GLG 200 or GLG 201 or GLG 203L) and completion of Tier I writing requirement RB: GLG 201 or GEO 306 or GEO 408 or GLG 304 R: Not open to freshmen or sophomores.
~~In depth analysis of glacial geology and the record of climate change, with emphasis on North America and Europe. Field trip required.~~
~~Understand how glaciers form, move, retreat, and reshape the landscape. Investigate the record of past climates written in ice core and land forms. Explore the role of ice in our environment, from the Arctic to the Equator. Field trip required.~~
Effective Fall Semester 2026
- GLG 421 Environmental Geochemistry
Spring of every year. 4(3-2) P: (GLG 200 or GLG 201 or GLG 203) and (CEM 141 or CEM 151 or CEM 181H or LB 171)-RB: GLG 201 and (CEM 141 or CEM 151 or CEM 181H or LB 171)
Natural and anthropogenic processes affecting the chemistry of the environment with an emphasis on the water cycle. Equilibria and kinetic balances, biogeochemical cycling, contaminant chemicals, chemical origins, environmental health.
Effective Fall Semester 2026
- GLG 422 ~~Field Methods in Environmental Science~~ Field Methods in Earth and Environmental Science
Fall of every year. 3(1-4)-P: ~~(((GLG 201 or GEO 206 or IBIO 355) and (CEM 141 and CEM 161)) or (LB 171 and LB 171L)) and (STT 200 or STT 201 or STT 234) P: (GLG 201 or GEO 206 or IBIO 355 or GLG 200 or GLG 203L) and (CEM 141 or CEM 151 or CEM 181H or LB 171) and (STT 180 or GEO 221 or FOR 419 or CMSE 201 or STT 201 or STT 421 or STT 231 or GLG 307)~~
~~Introduction to field methods in enviro sciences, conceptual design, sample collection, and analysis. Field trips required. Offered first half of semester.~~
~~Introduction to field methods in Earth and environmental sciences, conceptual design, sample collection, and analysis. Field trips required.~~
Effective Fall Semester 2026

- GLG 431 Sedimentology and Stratigraphy Sedimentary Records of Environmental Change
Spring of every year. 4(3-2) P: ~~GLG 321 and GLG 304~~ P: (GLG 321 and GLG 304) and Completion of Tier I Writing Requirement
Sediments, sedimentary rocks, sedimentary processes, and depositional environments through geologic time. Facies event correlation. Fossils as tools in stratigraphy and environmental analysis. Biostratigraphy, paleoecology and taphonomy. Field trip required.
Effective Fall Semester 2026
- GLG 444 Cosmochemistry
Spring of odd years. 3(2-2) Interdepartmental with Astronomy and Astrophysics P: ~~(GLG 201 or AST 208 and (MTH 124 or MTH 132 or MTH 152H or LB 118) and (CEM 142 or CEM 152 or CEM 182H or LB 172 or MSE 250) and (PHY 174 or PHY 184 or PHY 184B or PHY 222 or PHY 232 or PHY 232C or PHY 242 or PHY 294H or LB 274)~~ P: {GLG 201 or AST 208} and (CEM 142 or CEM 152 or CEM 182H or LB 172 or MSE 250) R: Not open to freshmen. Not open to students with credit in GLG 844.
Origin of the elements throughout the universe. History of the galaxy, solar system, and planet Earth as told by the materials that compose them. Study of meteorites and planetary samples theoretically and in the laboratory. Summarize state of field on directed topics.
Effective Spring Semester 2026
- GLG 445 Planetary Sciences
Spring of even years. 3(3-0) Interdepartmental with Astronomy and Astrophysics P: ~~(GLG 201 or AST 208) and (CEM 142 or CEM 152 or CEM 182H or LB 172 or MSE 250) and (PHY 174 or PHY 184 or PHY 184B or PHY 222 or PHY 232 or PHY 232C or PHY 242 or PHY 294H or LB 274) and (MTH 124 or MTH 132 or MTH 152H or LB 118)~~ P: (GLG 201 or AST 208 or GLG 200) and (CEM 142 or CEM 152 or CEM 182H or LB 172 or MSE 250) and (PHY 174 or PHY 184 or LB 274 or PHY 222 or PHY 232 or PHY 294H) and (MTH 124 or MTH 132 or MTH 152H or LB 118) and Completion of Tier I Writing Requirement R: Not open to freshmen. Not open to students with credit in GLG 845.
Survey of planetary sciences including planetary interiors, surface processes, atmospheres and magnetospheres. Origin and dynamics of planetary systems. Habitability and astrobiology. History and future of space exploration. Design the scientific investigation of a future space mission.
Effective Spring Semester 2026
- GLG 471 Applied Geophysics
Fall of every year. 4(3-2) P: ~~((MTH 133 or concurrently) or (LB 119 or concurrently) or (MTH 153H or concurrently) or (MTH 126 or concurrently)) and ((PHY 184 or concurrently) or (PHY 184B or concurrently) or (PHY 232 or concurrently) or (PHY 232C or concurrently) or (PHY 294H or concurrently) or (LB 274 or concurrently) or (PHY 174 or concurrently) or (PHY 222 or concurrently) or (PHY 242 or concurrently))~~ P: ((MTH 133 or concurrently) or (LB 119 or concurrently) or (MTH 153H or concurrently) or (MTH 126 or concurrently)) and ((PHY 184 or concurrently) or (PHY 174 or concurrently) or (PHY 232 or concurrently) or (PHY 222 or concurrently) or (PHY 294H or concurrently) or (LB 274 or concurrently)) R: Not open to freshmen or sophomores.
Application of seismic, gravity, magnetic, resistivity, and electromagnetic methods to problems related to engineering studies, mineral and oil exploration, groundwater, subsurface mapping, pollution, and hazardous waste.
Effective Fall Semester 2026

DEPARTMENT OF MECHANICAL ENGINEERING

- ME 201 Thermodynamics
Fall of every year. Spring of every year. Summer of every year. 3(3-0) P: ~~(CEM 141 or CEM 151 or CEM 181H or LB 171) and ((MTH 234 or concurrently) or (MTH 254H or concurrently) or (LB 220 or concurrently)) and (PHY 183 or PHY 183B or PHY 193H or PHY 233B or LB 273)~~ P: (CEM 141 or CEM 151 or CEM 181H or LB 171) and ((MTH 234 or concurrently) or (MTH 254H or concurrently) or (LB 220 or concurrently)) and (PHY 183 or PHY 193H or PHY 233 or LB 273) Not open to students with credit in BE 351 or CHE 321.
Basic concepts of thermodynamics. Property evaluation of ideal gases and compressible substances. Theory and application of the first and second laws of thermodynamics. Entropy and Carnot efficiency.
Effective Fall Semester 2026

DEPARTMENT OF PHILOSOPHY

- ~~PHL 225~~
~~PHL 205~~ Paradoxes
Fall of every year. 3(3-0)
Central philosophical paradoxes and possible solutions. Topics vary and may include paradoxes about existence, infinity, space and time, knowledge, rationality, and truth. Students develop solutions to paradoxes, and work out the consequences and costs of those solutions.
SA: PHL 225
Effective Fall Semester 2026
- PHL 211 ~~Modern Philosophy~~ Early Modern European Philosophy
Spring of every year. 3(3-0) ~~RB: PHL 210~~
~~Philosophy from the Renaissance through the nineteenth century, including selections from Descartes, Spinoza, Locke, Leibniz, Berkeley, Hume, Kant, Nietzsche, and other prominent figures. History of philosophy in the European tradition during the 17th through 19th centuries.~~
Effective Fall Semester 2026
- PHL 212 Latin American Philosophy
~~Fall of odd years. Spring of even years.~~ Spring of every year. 3(3-0)
A survey of historic and contemporary philosophical traditions from Latin America.
Effective Fall Semester 2026
- PHL 213 Africana Philosophy
~~Fall of odd years. Spring of even years.~~ Fall of every year. 3(3-0)
A survey of historic and contemporary philosophical traditions from Africa and African diasporas.
Effective Fall Semester 2026
- PHL 214 Indigenous Philosophy
~~Fall of even years. Spring of odd years.~~ Spring of every year. 3(3-0)
A survey of historic and contemporary philosophical traditions from Indigenous peoples globally.
Effective Fall Semester 2026
- PHL 330 Formal Deductive Reasoning
Fall of every year. Spring of every year. ~~4(4-0)~~ 3(3-0) RB: PHL 130
Formal methods in deductive reasoning. Logic of connectives and quantifiers including identity, functions, and descriptions.
Effective Fall Semester 2026
- PHL 331 Formal Practical Reasoning
Fall of every year. Spring of every year. ~~4(4-0)~~ 3(3-0) RB: PHL 130
Formal methods in practical reasoning. Decision theory, including decisions under ignorance and risk, and game theory.
Effective Fall Semester 2026
- PHL 344 Ethical Issues in Health Care
Fall of every year. Spring of every year. ~~4(4-0)~~ 3(3-0) R: Not open to freshmen or sophomores.
~~Termination of treatment, truth telling, informed consent, human experimentation, reproductive issues, allocation of scarce resources, justice and the health care system. Topics such as~~
termination of treatment, truth-telling, informed consent, human experimentation, reproductive issues, allocation of scarce resources, justice and the health care system.
Effective Fall Semester 2026
- PHL 345 Business Ethics
Fall of every year. ~~4(4-0)~~ 3(3-0) R: Not open to freshmen or sophomores.
Ethical dimensions of the relationships between a business and employees, consumers, other businesses, society, government, and the law.
Effective Fall Semester 2026

- PHL 355 Philosophy of Technology (W)
Spring of every year. ~~4(4-0)~~ 3(3-0) Interdepartmental with Lyman Briggs P: (LB 133) or completion of Tier I writing requirement RB: PHL 200 R: Open to students in the Department of Philosophy or in the Lyman Briggs College or in the Science, Technology, Environment and Public Policy Specialization.
Examination of the desirability of technology, its social forms, and its alternatives. Conventional productivist, ecological progressive, and radical humanist outlooks.
SA: LBS 355
Effective Fall Semester 2026
- PHL 356 Philosophical Aspects of Feminism
Fall of every year. Spring of every year. ~~4(4-0)~~ 3(3-0) Interdepartmental with Women's Studies RB: One PHL course.
Conceptual and normative issues in feminist theory. Topics such as sexism, oppression, coercion, control, power, equality, personhood, respect and self-respect, rape, separatism, community, intimacy, and autonomy.
Effective Fall Semester 2026
- PHL 380 Nature of Science
Fall of every year. Spring of every year. 3(3-0) RB: One course in the biological, physical, or mathematical sciences.
~~Conflicting views about science and values. Such topics as scientific methodology; the objectivity and value neutrality of science; the presuppositions, goals, and limits of science; and science and decision making. Questions that emerge from a deliberate consideration of methods and practices of science such as scientific methodology, objectivity, value neutrality, goals and limits, and decision-making.~~
Effective Fall Semester 2026
- PHL 410 Socrates and Plato Seminar
Fall of odd years. ~~4(4-0)~~ 3(3-0) ~~A student may earn a maximum of 8 credits in all enrollments for this course. A student may earn a maximum of 6 credits in all enrollments for this course. P: PHL 210 or approval of department~~ P: PHL 210 or PHL 211 or PHL 330 or approval of department
A selection of themes (ontology, epistemology, method, ethics) from Plato's Socratic and constructive dialogues. Variable by term in content.
Effective Fall Semester 2026
- PHL 411 Aristotle Seminar
Spring of every year. ~~4(4-0)~~ 3(3-0) ~~A student may earn a maximum of 8 credits in all enrollments for this course. A student may earn a maximum of 6 credits in all enrollments for this course. P: PHL 210 or approval of department~~ P: PHL 210 or PHL 211 or PHL 330 or approval of department
Aristotle's major works and his major contributions to the metaphysics, psychology, ethics, the arts, and politics. Variable by term in content.
Effective Fall Semester 2026
- PHL 413 Seminar in Early Modern Philosophy
Fall of even years. ~~4(4-0)~~ 3(3-0) ~~A student may earn a maximum of 8 credits in all enrollments for this course. A student may earn a maximum of 6 credits in all enrollments for this course.~~ RB: (PHL 211) or two other philosophy courses
Topics selected from among the works of 17th and 18th century philosophers, e.g., Descartes, Spinoza, Locke, Leibniz, Berkeley, and Hume. Variable by term in content.
Effective Fall Semester 2026
- PHL 415 Kant Seminar
Spring of odd years. ~~4(4-0)~~ 3(3-0) ~~A student may earn a maximum of 8 credits in all enrollments for this course. A student may earn a maximum of 6 credits in all enrollments for this course.~~ RB: (PHL 211) or two other PHL courses
A seminar in Immanuel Kant's critical philosophy in metaphysics, epistemology, ethics, political philosophy, aesthetics, or other areas. Variable by term in content.
Effective Fall Semester 2026

- PHL 416 Hegel Seminar
Spring of even years. ~~4(4-0)~~ 3(3-0) RB: (PHL 211 or PHL 415) or two other PHL courses.
Hegel's dialectic and its bearing on both the history of philosophy and issues about science, politics, art and religion.
Effective Fall Semester 2026
- PHL 417 Seminar in 19th Century Philosophy
Fall of odd years. ~~4(4-0)~~ 3(3-0) ~~A student may earn a maximum of 8 credits in all enrollments for this course. A student may earn a maximum of 6 credits in all enrollments for this course.~~ RB: (PHL 211) or two other PHL courses.
Selections from Post-Hegelian German philosophy, Mill and Utilitarianism, early African-American philosophy, Nietzsche and proto-existentialism, or American Pragmatism. Variable by term in content.
Effective Fall Semester 2026
- PHL 432 Logic and its Metatheory
Spring of odd years. ~~4(4-0)~~ 3(3-0) ~~RB: PHL 330~~ RB: (PHL 330) or two other MTH or PHL courses
Logical consequence, first-order predicate logic with identity, including functions and descriptions. Proof theory and model theory. Topics in metatheory such as completeness, compactness, and the Lowenheim-Skolem Theorems. The axiomatic method and Godel's Incompleteness Theorems.
Effective Fall Semester 2026
- PHL 440 Central Issues in Ethics
Spring of every year. ~~4(4-0)~~ 3(3-0) RB: PHL 340 or PHL 350
Twentieth-century discussions of universalization, utilitarianism, nature of a moral theory, moral language, relativism, skepticism, theory and practice, weakness of will, moral education, and justification.
Effective Fall Semester 2026
- PHL 454 ~~Topics in Philosophy of Law~~ Topics in Philosophy of Law (W)
Spring of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: Completion of Tier I Writing Requirement RB: Courses in legal or political philosophy and one PHL course at the 300 level or above. ~~R: Open to juniors or seniors in the Department of Philosophy or approval of department.~~ R: Open to juniors or seniors in the Department of Philosophy or in the Humanities-Prelaw Major or approval of department.
Selected topics in philosophical approaches to law such as critical race theory, constitutional theory and international law.
Effective Fall Semester 2026
- PHL 456 Topics in Feminist Philosophy
Fall of odd years. ~~4(4-0)~~ 3(3-0) Interdepartmental with Women's Studies RB: (PHL 356) or two 400-level courses in PHL.
Philosophical issues in a framework of feminist politics and critique. Standpoint theories, care/justice ethics, ontological status of genders/races, theories of power/domination, determinism/freedom.
Effective Fall Semester 2026
- PHL 461 Metaphysics
Spring of every year. 3(3-0) P: PHL 101 or PHL 130 or PHL 210 or PHL 211 or PHL 212 or PHL 213 or PHL 214 or PHL 215 ~~RB: One PHL course at the 300 level or above.~~
Basic concepts employed in trying to understand the nature of things. Concepts include universals, particulars, things, kinds, properties, events, persons, change, causality, chance, existence, possibility, necessity, space, and time.
Effective Fall Semester 2026

- PHL 480 Philosophy of Science
Fall of every year. ~~4(4-0)~~ 3(3-0) RB: (PHL 330) or a 200 level mathematics or statistics course.
~~Structure of scientific theories and explanation. Causation, prediction, induction, confirmation, discovery, and scientific progress. Structure of scientific theories, knowledge, experimentation, modeling, and understanding. Categories, underlying assumptions, and structural frameworks in biology, chemistry, physics, anthropology, and neuroscience.~~
Structure of scientific theories, knowledge, experimentation, modeling, and understanding. Categories, underlying assumptions, and structural frameworks in biology, chemistry, physics, anthropology, and neuroscience.
Effective Fall Semester 2026
- PHL 492 Capstone for Majors (W)
Spring of every year. 3(3-0) P: Completion of Tier I Writing Requirement ~~RB: (PHL 130 or PHL 330 or PHL 331 or PHL 432) and ((PHL 210 and PHL 211 and PHL 212 and PHL 213 and PHL 214) and 20 total credits in Philosophy)~~ RB: (PHL 130 or PHL 330 or PHL 331 or PHL 432) and 20 total credits in Philosophy R: Open to seniors in the Department of Philosophy or approval of department.
Advanced, variable topic seminar for undergraduate majors. Presentations, substantial written work.
Effective Fall Semester 2026

DEPARTMENT OF STATISTICS AND PROBABILITY

- STT 200 Statistical Methods
Fall of every year. Spring of every year. Summer of every year. ~~3(4-0)~~ 4(4-0) P: (MTH 101 or MTH 102 or MTH 103 or MTH 103B or MTH 116 or MTH 124 or MTH 132 or LB 117 or LB 118) or designated score on Mathematics Placement test R: Open to undergraduate students. Not open to students with credit in STT 201 or STT 421.
Data analysis, probability models, random variables, estimation, tests of hypotheses, confidence intervals, and simple linear regression.
Effective Fall Semester 2026

DEPARTMENT OF THEATRE

- THR 314 Stagecraft: Scenic Construction Techniques
Spring of every year. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. RB: THR 111 or concurrently Not open to students with credit in THR 814.
Introduction to the use of tools, materials, and techniques in theatrical scenic construction.
Effective Fall Semester 2026
- THR 315 Drafting for Theatre
Spring of every year. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. RB: THR 111 Not open to students with credit in THR 815.
Introduction to the principles of hand and CAD drafting for theatre including terminology, best practices and fundamentals, scale and dimension drawings, sections, ground plans, auxiliary views and reproduction processes.
Effective Fall Semester 2026
- THR 361 Lighting Technology for Theatre
Spring of even years. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. RB: THR 211 or concurrently Not open to students with credit in THR 861.
Study of contemporary lighting equipment, electrical practices, and advanced light board operation.
Effective Fall Semester 2026
- THR 362 Costume Construction
Fall of even years. 3(2-4) A student may earn a maximum of 6 credits in all enrollments for this course. P: THR 111 RB: THR 212 or concurrently Not open to students with credit in THR 862.
Sewing and Patterning methods used in theatrical costuming including flat patterning, draping, tailoring, pattern alteration, advanced stitching techniques.
Effective Fall Semester 2026

- THR 363 Costume Crafts
Fall of odd years. 3(2-4) A student may earn a maximum of 6 credits in all enrollments for this course. P: THR 111 RB: THR 212 or concurrently Not open to students with credit in THR 863.
Craft techniques used in theatrical costuming. Projects and topics variable by term.
Effective Fall Semester 2026
- THR 364 Scene Painting for Theatre
Spring of odd years. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. RB: THR 111 or concurrently Not open to students with credit in THR 864.
Hands on study of traditional and contemporary techniques for painting 2D and 3D theatrical set pieces.
Effective Fall Semester 2026
- THR 365 Props Design and Crafts for Theatre
Fall of even years. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. RB: THR 111 or concurrently Not open to students with credit in THR 865.
Artistic and technical principles of prop design and crafts. Play analysis, research and creative interpretation of props design.
Effective Fall Semester 2026
- THR 369 Media and Audio Engineering for Theatre
Fall of odd years. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. RB: THR 111 or concurrently Not open to students with credit in THR 869.
System design and installation for media and audio technology in theatre.
Effective Fall Semester 2026
- THR 815 Drafting for Theatre
Spring of odd years. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to graduate students in the Department of Theatre or approval of department. Not open to students with credit in THR 315.
Introduction to the principles of hand and CAD drafting for theatre including terminology, best practices and fundamentals, scale and dimension drawings, sections, ground plans, auxiliary views and reproduction processes.
Effective Fall Semester 2026
- THR 861 Lighting Technology for Theatre
Spring of even years. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to graduate students in the Department of Theatre or approval of department. Not open to students with credit in THR 361.
Study of contemporary lighting equipment, electrical practices, and advanced light board operation.
Effective Fall Semester 2026
- THR 862 Costume Construction
Fall of even years. 3(2-4) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to graduate students in the Department of Theatre or approval of department. Not open to students with credit in THR 362.
Sewing and Patterning methods used in theatrical costuming including flat patterning, draping, tailoring, pattern alteration, advanced stitching techniques.
Effective Fall Semester 2026
- THR 863 Costume Crafts
Fall of odd years. 3(2-4) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to graduate students in the Department of Theatre or approval of department. Not open to students with credit in THR 363.
Craft techniques used in theatrical costuming. Projects and topics variable by term.
Effective Fall Semester 2026

- THR 864 Scene Painting for Theatre
Spring of odd years. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to graduate students in the Department of Theatre or approval of department. Not open to students with credit in THR 364.
Hands on study of traditional and contemporary techniques for painting 2D and 3D theatrical set pieces.
Effective Fall Semester 2026
- THR 865 Props Design and Crafts for Theatre
Fall of even years. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to graduate students in the Department of Theatre or approval of department. Not open to students with credit in THR 365.
Artistic and technical principles of prop design and crafts. Play analysis, research and creative interpretation of props design.
Effective Fall Semester 2026
- THR 869 Media and Audio Engineering for Theatre
Fall of odd years. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to graduate students in the Department of Theatre or approval of department. Not open to students with credit in THR 369.
System design and installation for media and audio technology use in theatre.
Effective Fall Semester 2026