



New Academic Program Workflow Form

General

Proposed Name: Bioethics

Transaction Nbr: 00000000000149

Plan Type: Minor

Academic Career: Undergraduate

Degree Offered:

Do you want to offer a minor? N

Anticipated 1st Admission Term: Fall 2023

Details

Department(s):

SBSC

DEPTMNT ID	DEPARTMENT NAME	HOST
0428	Philosophy	Y

Campus(es):

MAIN

LOCATION	DESCRIPTION
TUCSON	Tucson

ONLN

LOCATION	DESCRIPTION
ONLN	Online

Admission application terms for this plan: Spring: Y Summer: Y Fall: Y

Plan admission types:

Freshman: Y Transfer: Y Readmit: Y Graduate: N

Non Degree Certificate (UCRT only): N

Other (For Community Campus specifics): N

Plan Taxonomy: 51.3201, Bioethics/Medical Ethics.

Program Length Type: Program Length Value: 0.00

Report as NSC Program:

SULA Special Program:

Print Option:

Diploma: Y Minor in Bioethics

Transcript: Y Minor in Bioethics

Conditions for Admission/Declaration for this Major:

There are no gpa requirements to join the minor. No courses need be completed prior to declaration of the minor.

Requirements for Accreditation:

None for minor

Program Comparisons

University Appropriateness

A Bioethics minor would advance the university mission of contributing to the 4th industrial revolution. It will teach students how to think critically about the ethics of new medical technologies and therapies and further the goals of the first pillar. It also advances the interests in the 3rd pillar in that it will contribute to the university's mission as an important medical center. Bioethics as an undergraduate degree program or a minor does not exist anywhere among the universities in Arizona.

Arizona University System

NBR	PROGRAM	DEGREE	#STDNTS	LOCATION	ACCRDT
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Peer Comparison

The proposed program is similar to other peer programs in that it emphasizes rigorous ethical reasoning. We emphasize ethical theory and applied ethics courses in addition to courses in bioethics. These train the students in careful reasoning about ethical matters and in the ability carefully to understand and consider the ideas and arguments of others.

We propose two important additions to the standard bioethics program. We want to emphasize political philosophy because this is an important strength at the University of Arizona but also because we believe that many bioethics questions

need to be considered not only at the level of individual action but at the level of the institutions of health provision. We also propose to introduce students to philosophical reflection on science. Students will be acquainted with the many value questions that must be addressed in scientific inquiry.

Faculty & Resources

Faculty

Current Faculty:

INSTR ID	NAME	DEPT	RANK	DEGREE	FCLTY/%
01455443	Laura Howard	3603	Adj. Assoc. Prof	Doctor of Philosophy	.50
02607728	Allen Buchanan	0428	Professor Emeritus	Doctor of Philosophy	.50
05805659	Thomas Christiano	0428	Professor	Doctor of Philosophy	1.00
06902078	Margaret Reimer	0428	Professor	Doctor of Philosophy	1.00
08101837	Daniel Russell	0428	Professor	Doctor of Philosophy	1.00
13809850	Mark Timmons	0428	Professor	Doctor of Philosophy	1.00
22051503	Guido Pincione	0428	Professor	Doctor of Philosophy	1.00
22051610	Steven Wall	0428	Professor	Doctor of Philosophy	1.00
22051730	Michael McKenna	0428	Professor	Doctor of Philosophy	1.00
22053483	Jonathan Weinberg	0428	Professor	Doctor of Philosophy	1.00
22095174	Trevor Hedberg	0428	Assit. Prof. Pract.	Doctor of Philosophy	1.00

Additional Faculty:

none

Current Student & Faculty FTE

DEPARTMENT	UGRD HEAD COUNT	GRAD HEAD COUNT	FACULTY FTE
0428	125	40	15.00

Projected Student & Faculty FTE

	UGRD HEAD COUNT			GRAD HEAD COUNT			FACULTY FTE		
DEPT	YR 1	YR 2	YR 3	YR 1	YR 2	YR 3	YR 1	YR 2	YR 3
0428	135	145	165	40	40	40	15.00	16.00	16.00

Library

Acquisitions Needed:

none

Physical Facilities & Equipment

Existing Physical Facilities:

good

Additional Facilities Required & Anticipated:

none

Other Support

Other Support Currently Available:

undergraduate advisor, program manager

Other Support Needed over the Next Three Years:

none

Comments During Approval Process

10/18/2022 10:49 AM

THOMASC

Comments
Approved.



New Academic Program – Minor in Bioethics ([Undergraduate](#))
Offered by the Philosophy Department
July 5, 2022
CURRICULAR INFORMATION

I. MINOR DESCRIPTION:

A bioethics minor will introduce you to the fundamental ethical issues surrounding medicine and biotechnology. You will learn to dissect thoughtfully such questions as: What rights and duties come with the role of health care provider? Should the healthcare provider always disclose to a patient the full truth about his or her diagnosis? What rights do persons have over their bodies? How ought scarce health care resources be distributed? Does everyone have a right to health care?

This minor will give you skills for recognizing the scope and force of an ethical conflict when it occurs and ways of becoming more reflective and open-minded about differing moral views. It will provide you with the skills to cogently clarify and defend your own principles and lobby for changes in regulations when there is a perceived need. It will also give you skills to understand the many opposing ideas and to appreciate the arguments people give for them. The skills acquired in philosophical argument are indispensable for engaging with the evolving moral discussions and debates surrounding bioethics. Students develop skills in verbal and written communication, problem-solving, clear and disciplined thinking, and persuasive argumentation. This Minor in bioethics prepares students for fulfilling work in business, medicine, hospital administration, biotechnology, government, and the law.

II. JUSTIFICATION/NEED FOR THE MINOR:

A bioethics minor is very clearly needed here at the University of Arizona. Medical ethics and bioethics are among our most popular courses in the philosophy department. Since the medical center at the University of Arizona is so important and attracts many students in pre-medicine, and since there is a BS in medicine, a minor in bioethics would be a great service to the university as it will help those going in the direction of medicine, law, social work, hospital administration and public health.

The kinds of critical skills in clear, reasoned, and respectful discussion of opposing ideas that a bioethics minor can teach are more in need than ever now especially with the growing importance of new medicine and biotechnology. Students tend to be very enthusiastic in pursuing courses which teach them how to reason and argue about very difficult questions of value. A bioethics minor would also supply students with the kind of skills in communication and writing that are very much prized by employers.

More and more med schools are requiring the Casper test for applicants; the test includes an assessment of ethical-decision-making abilities. This has already driven a lot of pre-med undergrads to our PHIL 321 course. Plus, even schools who don't require it consider ethics training to be a very big bonus on an applicant's CV. So, a bioethics minor would be a huge attraction for students intending to apply to med school, or any graduate program in health care or public health policy.

III. MINOR REQUIREMENTS:

Minimum total units required	18
Minimum upper-division units required	9
Total transfer units that may apply to minor	9

List any special requirements to declare/admission to this minor	None
Minor requirements. List all required minor requirements including core and electives. Courses listed must include course prefix, number, units, and title. Mark new coursework (New). Include any limits/restrictions needed (house number limit, etc.). Provide email(s)/letter(s) of support from home department head(s) for courses not owned by your department.	<p>Core 1 (6 units)</p> <p>Phil 110 Logic and Critical Thinking (3) Phil 210 Moral Thinking (3) Phil 213 Contemporary Moral Problems (3) Phil 348 The Moral Mind (3) Phil 344 Issues and Methods in Analytic Philosophy (3) Phil 260 Ancient Philosophy (3) Phil 261 Medieval Philosophy (3) Phil 262 Early Modern Philosophy (3) Phil 263 From Hegel to Nietzsche: 19th C. Philosophy (3) Phil 264 20th Century Analytic Philosophy (3) Phil 410A History of Moral and Political Philosophy (3) Phil 410B History of Moral and Political Philosophy (3)</p> <p>Core 2 (9 units)</p> <p>Phil 321 Medical Ethics (3) Phil 422 Advanced Medical Ethics (3) Phil 347 Neuroethics (3) Phil 345 Philosophy and Psychiatry (3) Phil 241 Consciousness and Cognition (3) Phil 420 Philosophy of Science (3) Phil 421 Philosophy of the Biological Sciences (3) Phil 434 Social and Political Philosophy (3)</p> <p>Electives (3 units)</p> <p>ANTH 325 Bodies in Motion: Intro to Medical Anth (3) ANTH 444 Introduction to Medical Anthropology (3) CHS 309 Ethical Issues Common/ Helping Professions (3) CHS 401 Health Disparities in Society (3) HIST 373 Politics of Health and Medicine in the Americas LAW 484B Aging and Social Justice (3) LAW 484C Technology and Aging (3) Phil 323 Environmental Ethics (3) PHP 421 Introduction to Public Health Law and Ethics (3) PSIO 411 Scientific Methods and Professional Ethics (3) LAW 415 Healthcare Ethics (in development) (3)</p>
Internship, practicum, applied course requirements (Yes/No).	None
Additional requirements (provide description)	None
Any double-dipping restrictions (Yes/No)? If yes, provide description.	

IV. NEW COURSES NEEDED: None.

Subject description for new prefix (if requested). Include your requested/preferred prefix, if any: N/A

V. Learning Outcomes

Program: Minor in Bioethics

Learning Outcome #1: Students will demonstrate an ability to engage in sophisticated and rational dialogue with those who disagree with them on ethical questions.
Concepts: Main theses of bioethical theories. Basic moral values and requirements. Main arguments that provide rational support for each theory.
Competencies: By analyzing written works with an eye to identifying the main theses defended in them, students will learn to clarify basic bioethical theses. They will be able to give a logical reconstruction of the central arguments for each theory, the objections to the theory and the responses made on behalf of the theory to the objections.
Assessment Methods: This outcome will be assessed by means of written exams in which ethical theses and arguments for those theses are clarified and given in logical form.
Measures: A rubric will be constructed that includes the basic components of the ethical thesis under discussion and a clarification of that thesis and the logical reconstruction of the argument that includes the premises of that argument and the relations of support between the premises and the basic theses.
Learning Outcome #2: Students will articulate and clarify their own theses on bioethical questions and give a rational defense of their theses by means of a logically constructed set of premises in support of a conclusion.
Concepts: Development of an ethical thesis. Definitions of the basic concepts of the thesis. Distinctions between their theses from others that may be similar. Logical construction of arguments for their theses. Objections to their theses and responses.
Competencies: Students will learn to write papers in which they explain a thesis about an ethical question they wish to defend. This involves breaking down the thesis into concepts and propositions. They will learn to write logical arguments in support of the thesis. They will also learn to think of good objections to their thesis and the argument and how to respond to them.
Assessment Methods: This outcome will be assessed by means of written term papers which will be structured as logical defenses of an ethical thesis.
Measures: A rubric will be constructed that includes all the main elements of a paper in defense of an ethical thesis. The clarification of the thesis, the distinguishing of the thesis from others, and the premises used to support the thesis as well as the quality of logical support the premises lend to the thesis are all elements of the rubric. In addition, the rubric includes an objection to the thesis or argument and a response to that objection.
Learning Outcome #3: Students will apply the competencies acquired in studying bioethics theories and the relevant scientific theories to issues in the health professions involving healthcare systems, public policy, and law.
Concepts: Application of bioethical theories. Health care systems, public policy, and health care law. Assessment of the use of scientific theories for relevance and level of evidential support.
Competencies: Students will be able to identify and explain the structure of health care systems and health care law and will be able to show how the theories in bioethics have implications for how those systems ought to be changes or how they ought to remain as they are. They will be able to determine the level of support the scientific ideas have and the relevance of those ideas to the purported arguments for policy proposals.
Assessment Methods: Students will be asked to write short papers showing how one evaluates a particular health care law or system based on a theory in bioethics. They will be asked to demonstrate the role of a scientific theory in the argument.
Measures: Students will be evaluated on a rubric that includes: the proper description of the healthcare system at issue; a proper description of the bioethical approach this is being used; an explanation of how the healthcare system satisfies or does not satisfy the standard that is articulated by the theory; and the role of the scientific ideas in the argument.

VI. REQUIRED SIGNATURES

Program Director/Main Proposer (print name and title):

Thomas Christiano, Department Head, Philosophy

Program Director/Main Proposer signature:



Date:

August 3, 2022

Department Head (print name and title):

Thomas Christiano, Department Head, Philosophy

Department Head's signature:



Date:

August 3, 2022

Associate/Assistant Dean (print name): Amy Kimme Hea

Associate/Assistant Dean's signature:

Date: 10/6/2022



Dean (print name): Amy Kimme Hea

Dean's signature:

Date: 10/6/2022



For use by Curricular Affairs:

Undergraduate:

Committee	Approval date
APS	
Undergraduate Council	
Undergraduate College Academic Administrators Council	
Faculty Senate	

Undergraduate:

Committee	Approval date
APS	
Undergraduate Council	
Undergraduate College Academic Administrators Council	
Faculty Senate	



BUDGET PROJECTION FORM

Undergraduate Bioethics Minor

Budget Contact Person:	Projected		
	2023-24	2024-25	2025-26
METRICS			
Net increase in annual college enrollment UG	50	80	100
Net increase in college SCH UG	375	600	750
Net increase in annual college enrollment Grad	-	-	-
Net increase in college SCH Grad	-	-	-
Number of enrollments being charged a Program Fee	-	-	-
New Sponsored Activity (MTDC)	-	-	-
Number of Faculty FTE			
FUNDING SOURCES			
<u>Continuing Sources</u>			
UG AIB Revenue	15,000	24,000	30,000
Grad AIB Revenue			
Program Fee Revenue (net of revenue sharing)	-	-	-
F and A AIB Revenues			
Reallocation from existing College funds (attach description)			
Other Items (attach description)			
Total Continuing	\$ 15,000	\$ 24,000	\$ 30,000
<u>One-time Sources</u>			
College fund balances			
Institutional Strategic Investment			
Gift Funding			
Other Items (attach description)			
Total One-time	\$ -	\$ -	\$ -
TOTAL SOURCES	\$ 15,000	\$ 24,000	\$ 30,000
EXPENDITURE ITEMS			
<u>Continuing Expenditures</u>			
Faculty			
Other Personnel			
Employee Related Expense			
Graduate Assistantships			
Other Graduate Aid			
Operations (materials, supplies, phones, etc.)			
Additional Space Cost			
Other Items (attach description)			
Total Continuing	\$ -	\$ -	\$ -
<u>One-time Expenditures</u>			
Construction or Renovation			
Start-up Equipment			
Replace Equipment			
Library Resources			
Other Items (attach description)			
Total One-time	\$ -	\$ -	\$ -
TOTAL EXPENDITURES	\$ -	\$ -	\$ -
Net Projected Fiscal Effect	\$ 15,000	\$ 24,000	\$ 30,000



**New Academic Program
PEER COMPARISON**

Program name, degree, and institution	Bioethics Minor	Bioethics Minor in Philosophy University of California, San Diego	Bioethics Minor Johns Hopkins University, Philosophy and Berman Institute of Bioethics
Current number of students enrolled		29	20
Program Description	<p>A bioethics minor will introduce you to the fundamental ethical issues surrounding medicine and biotechnology. You will learn to dissect thoughtfully such questions as: What rights and duties come with the role of health care provider? Should the healthcare provider always disclose to a patient the full truth about his or her diagnosis? What rights do persons have over their bodies? How ought scarce health care resources be distributed? Does everyone have a right to health care?</p> <p>This minor will give you skills for recognizing the scope and force of an ethical conflict when it occurs and ways of becoming more reflective and open-minded about differing moral views. It will provide you with the skills to cogently clarify and defend your own principles and</p>	<p>Biomedical ethics is an interdisciplinary program designed to introduce students to ethical issues that arise in health care and health care research. Students will take courses in biology, ethnic studies, philosophy, psychological sciences and sociology within the College of Arts and Sciences, as well as courses from the business and nursing schools.</p>	<p>The practice of medicine, the development of public health policies, and advances in the biomedical sciences raise fundamental moral and philosophical issues. The bioethics program is designed to provide students with an understanding of these issues, and the background and the conceptual tools to think about them clearly. The program is a collaboration between the Johns Hopkins Berman Institute of Bioethics and the Department of Philosophy, and draws on the resources of both.</p>

	<p>lobby for changes in regulations when there is a perceived need. It will also give you skills to understand the many opposing ideas and to appreciate the arguments people give for them. The skills acquired in philosophical argument are indispensable for engaging with the evolving moral discussions and debates surrounding bioethics. Students develop skills in verbal and written communication, problem-solving, clear and disciplined thinking, and persuasive argumentation. This Minor in bioethics prepares students for fulfilling work in business, medicine, hospital administration, biotechnology, government, and the law.</p>		
Target Careers	Health Profession	Health Profession	Health Profession
Minimum # of units required	18	7 courses (28 units)	8 courses (24 units)
Special requirements to declare/gain admission?	No	No; Students must pass all courses with C- or better	No; Students must pass all courses with C- or better
Internship, practicum, or applied/experiential requirements?	No	No	No

Additional questions:

1. How does the proposed program align with peer programs? Briefly summarize the similarities between the proposed program and peers, which could include curriculum, overall themes, faculty expertise, intended audience, etc.

The proposed program is similar to other peer programs in that it emphasizes rigorous ethical reasoning. We emphasize ethical theory and applied ethics courses in addition to courses in bioethics. These train the students in careful reasoning about ethical matters and in the ability carefully to understand and consider the ideas and arguments of others.

2. How does the proposed program stand out or differ from peer programs? Briefly summarize the differences between the proposed program and peers, which could include curriculum, overall themes, faculty expertise, intended audience, etc.

We propose two important additions to the standard bioethics program. We want to emphasize political philosophy because this is an important strength at the University of Arizona but also because we believe that many bioethics questions need to be considered not only at the level of individual action but at the level of the institutions of health provision. We also propose to introduce students to philosophical reflection on science. Students will be acquainted with the many value questions that must be addressed in scientific inquiry.

3. How do these differences make this program more applicable to the target student population and/or a better fit for the University of Arizona?

The focus on political philosophy draws on the strengths in political philosophy at the University of Arizona and it emphasizes the public health dimension of bioethics thus tying us to our School of Public Health.

September 9, 2022

Amy C. Kimme Hea
Associate Dean, Academic Affairs and Student Success
College of Social and Behavioral Sciences
University of Arizona
Douglass 200W

Dear Dean Kimme Hea,

This memo is to grant permission for including the course(s) listed below from the School of Anthropology in the proposed curriculum for an undergraduate minor in Bioethics. I agree to give regular access to these course(s) to students in the proposed Bioethics minor:

- ANTH 325 – Bodies in Medicine: Introduction to Medical Anthropology
- ANTH 444 – Introduction to Medical Anthropology

Sincerely,



Diane E. Austin
Director, School of Anthropology



September 26, 2022

Amy C. Kimme Hea
Associate Dean, Academic Affairs and Student Success
College of Social and Behavioral Sciences
University of Arizona
Douglass 200W

Dear Dean Kimme Hea,

This memo is in support of the new bioethics minor proposed by the Department of Philosophy. The course(s) listed below in the proposed curriculum for the undergraduate minor in Bioethics are already developed and being currently offered in the Arizona Online campus. I agree to the proposal to offer the Bioethics minor through the Arizona Online program.

- CHS 309 – Ethical issues common to the helping professions
- CHS 401 – Health disparities in society
- PHIL 110 – Logic and critical thinking
- PHIL 210 – Moral thinking
- PHIL 213 – Contemporary moral problems
- PHIL 241 – Consciousness and cognition
- PHIL 321 – Medical ethics
- PHIL 344 – Issues and methods in analytic philosophy
- PHIL 345 – Philosophy and psychiatry
- PHIL 347 - Neuroethics
- PHIL 348 – The moral mind
- PHIL 410A or B – History of moral and political philosophy
- PHP 421 – Introduction to public health law and ethics

Sincerely,



Caleb Simmons
Executive Director, Online Education





Department of History 1110 James E. Rogers Way
P.O. Box 210023
Tucson, AZ 85721-0023
(520) 621-1586 Office
(520) 621-2422 Fax

18 September 2022

Amy C. Kimme Hea
Associate Dean, Academic Affairs and Student Success
College of Social and Behavioral Sciences
University of Arizona
Douglass 200W

Dear Dean Kimme Hea,

This memo is to grant permission for the course listed below from the Department of History in the proposed curriculum for an undergraduate minor in Bioethics. We agree to give regular access to this course to students in the proposed Bioethics minor:

- HIST 373 – Politics of health and medicine in the Americas

Please let me know if you have any questions or need any additional information.

Sincerely

A handwritten signature in black ink, appearing to read 'Kath. Morrissey'.

Katherine Morrissey
Associate Professor
Department Head





DEAN'S OFFICE
James E Rogers College of Law
1201 E Speedway Blvd
PO Box 210176
Tucson AZ 85721-0176
Ofc: 520-621-1498
law.arizona.edu

July 28, 2022

Amy C. Kimme Hea
Associate Dean, Academic Affairs and Student Success
University of Arizona
College of Social and Behavioral Sciences
Douglass 200W, P.O. Box 210028
Tucson, AZ 85721-0028

Dear Dean Kimme Hea,

This memo is to grant permission for including the course(s) listed below from the James E. Rogers College of Law in the proposed curriculum for an undergraduate minor in Bioethics. I agree to give regular access to these course(s) to students in the proposed Bioethics minor:

- LAW 415 – Healthcare ethics (in development)
- LAW 484B – Aging and social justice
- LAW 484C - Technology and aging: Legal and ethical developments

Sincerely,

A handwritten signature in blue ink that reads 'Marc J Miller'.

Marc L. Miller
Dean and Ralph W. Bilby Professor of Law

MLM/mws



From: Marchello, Elaine V - (evm) <evm@arizona.edu>
Date: Tuesday, September 13, 2022 at 12:29 PM
To: Kimball, Sandra J - (skimball) <skimball@arizona.edu>
Cc: Christiano, Thomas D - (thomasc) <thomasc@arizona.edu>
Subject: RE: Example assessment table

Sandra and Tom,

The Assessment team approves the outcomes and supporting information for the minor is Bioethics.

Elaine

Elaine Marchello, Ph.D.
Assistant Director, Assessment
University of Arizona
University Center for Assessment, Teaching and Technology
Integrated Learning Center Bldg 70
Room 105A
Tucson, AZ 85721
(520) 621-1328



THE UNIVERSITY
OF ARIZONA

Mel and Enid Zuckerman
College of Public Health

OFFICE OF ACADEMIC
AFFAIRS

1295 N. Martin Avenue
P.O. Box 245209
Tucson, AZ 85724
Tel: (520) 626-6317
Fax: (520) 626-8716
www.publichealth.arizona.edu

July 28, 2022

Amy C. Kimme Hea
Associate Dean, Academic Affairs and Student Success
College of Social and Behavioral Sciences
University of Arizona
Douglass 200W

Dear Dean Kimme Hea,

This memo is to grant permission for including the course(s) listed below from the Mel and Enid Zuckerman College of Public Health in the proposed curriculum for an undergraduate minor in Bioethics. I agree to give regular access to these course(s) to students in the proposed Bioethics minor:

- PHP 421 – Introduction to public health law and ethics

Sincerely,

A handwritten signature in blue ink, appearing to read 'John Ehiri'.

John Ehiri
Associate Dean for Academic Affairs
Mel and Enid Zuckerman College of Public Health





School of Sociology
College of Social
and Behavioral Sciences

P.O. Box 210027
Tucson, AZ 85721-0027
Tel: (520) 621-3531
Fax: (520) 621-9875
<http://sociology.arizona.edu>

12 August 2022

Amy C. Kimme Hea
Associate Dean, Academic Affairs and Student Success
College of Social and Behavioral Sciences
Douglass 200W

Dear Dean Kimme Hea,

This memo is to grant permission for including the course(s) listed below from the School of Sociology in the proposed curriculum for an undergraduate minor in Bioethics. I agree to give regular access to these course(s) to students in the proposed Bioethics minor:

- CHS 309 – Ethical issues common to the helping professions
- CHS 401 – Health disparities in society

Please do not hesitate to get in touch if I can be of further assistance (520-621-9351; leahey@arizona.edu).

Sincerely,

A handwritten signature in black ink that reads 'Erin Leahey'.

Erin Leahey
Professor & Director
School of Sociology