

Routing Sheet for Review and Approval

Proposed New Academic Plan or Name Change to Existing Academic Plan

Required steps in the review and approval process for proposed new academic plans and name changes to existing academic plans vary depending upon a number of factors. The Provost's Office reviews each concept for a new academic plan or name change in light of UMBC campus governance procedures and USM/MHEC approval guidelines. This online form has been routed by the Provost's Office to each office or governance group that needs to review this particular proposal.

Name of proposed new program OR program action: Five new UDCs in Philosophy

Date of PCG review: 02/21/2018 Review by USM:

Date of approval initiation: 04/11/2018 Maryland Higher Education

Date Letter of Intent sent to USM: Commission for:

Date RSTARS transfer requested: Target MHEC Submission Date:

Proposal and Other Attachments				
Proposal	Attachment 1	Attachment 2	Attachment 3	Attachment 4
				

Attachment(s) may be viewed starting on page 4 of this document.

INSTRUCTIONS

1. The proposal and this routing form are being sent to each office indicated on this form via DocuSign, in the order in which each appears on the list. Each recipient who needs to review the proposal will receive an email notification when it is his or her turn to sign.
2. If you have a concern regarding the proposed new plan or plan change, please do the following: (1) select "Concern" on the dropdown near your designated signature block, (2) enter a brief description of your concern regarding the proposal in the text box that appears, (3) select "Finish Later" under the "Other Actions" menu option, and (4) e-mail Beth Wells at bwells@umbc.edu with a more detailed description of your concern.

If you have questions about this form or the review process, please contact Beth Wells at bwells@umbc.edu, x5-8907. Thank you very much for your assistance.

Note: After reviewing the entire document, click the "Next" on the left of the page to return to your signature block.

SIGNATURES

Click "Finish" on the top right after signing.

Informal Review: **Assistant Vice Provost for Academic Affairs**

Elizabeth Wells

Elizabeth Wells
bwells@umbc.edu

Reviewed: 4/11/2018 | 3:04:08 PM EDT

Department Chair

Steve Yalowitz

Steve Yalowitz
yalowitz@umbc.edu

4/11/2018 | 3:57:17 PM EDT

Approve

In Process

Dean of Arts, Humanities, and Social Sciences

Scott Casper

Scott Casper
casper@umbc.edu

4/11/2018 | 4:13:01 PM EDT

Approve

Dean of Undergraduate Education

Katharine Cole

Katharine Cole

kcole@umbc.edu

4/11/2018 | 4:44:29 PM EDT

Approve

Please contact Beth Wells at bwells@umbc.edu with a brief description of your concern

regarding the proposal. To end this session

please select Finish Later under the "Other

~~Chair, Undergraduate Council~~ Do Not Decline to Sign.

In Process

Susan McDouough

mcdonoug@umbc.edu

Chair, Academic Planning and Budget

Charles Nicholas

nicholas@umbc.edu

President, Faculty Senate

Kimberly Moffitt

kmoffitt@umbc.edu

Provost

Philip Rous
rous@umbc.edu

President

Freeman Hrabowski
hrabowsk@umbc.edu

Final Review: **Assistant Vice Provost for Academic Affairs**

In Process

Beth Wells
bwells@umbc.edu

Reviewed:

Date Submitted to MHEC:

Date Submitted to USM:

Proof RSTARS Transfer Attached:

--- END OF FORM; ATTACHMENTS BEGIN ON NEXT PAGE ---

UMBC Department of Philosophy Upper Division Certificate Program Proposal

The UMBC Philosophy Department would like to offer Upper Division certificates to both majors and non-majors, requiring the completion of four upper division courses from a group of courses within a given field of philosophy. For non-majors, this will provide an alternative (or complement) to the philosophy minor for students with very specific field interests within philosophy. For majors who choose to pursue a certificate, it will involve filling out the elective portion of the philosophy major with a required number of courses from a list of courses that are relevant to a particular certificate. Majors, however, will not be required to pursue a certificate in the completion of the major. The Philosophy Department believes that making certificates available to all students will provide a useful structure and goal that (as discussed below) will be extremely valuable for students from any major with graduate school aspirations and provide direction and a more intensive education for philosophy majors who pursue the certificate option. This will enhance their philosophy major experience and also better prepare those majors interested in applying for graduate programs in philosophy.

For both majors and non-majors, philosophy certificates will help prepare students for a variety of fields of graduate study and employment. For those students applying to philosophy graduate programs, a certificate in a particular field of philosophy will make their applications stand out because of the increased background they have in their chosen field. Many philosophy graduate programs specialize in particular fields and will find students with matching certificates especially attractive.

For those major and non-major students aspiring to a career in law-related fields, completion of the Philosophy, Law and Politics certificate will strengthen their applications to law schools and also provide excellent preparation for the LSAT. Statistics show that students with significant coursework in philosophy score higher than any other major on the LSAT. (Source: Educational Testing Service, "GRE Guide to the Use of Scores" (http://www.ets.org/s/gre/pdf/gre_guide_table4.pdf))

For those students interested in graduate study in psychology, cognitive science, computer science, the natural sciences, medical school, business, political science, public policy, ancient studies, history, and other fields, completion of the relevant philosophy certificate will make their applications stand out because of their strong background in foundational issues in those areas, as well as the enhanced writing, critical reasoning, and analytical skills that philosophy courses provide. Statistics show that students with significant coursework in philosophy score highest of all majors in Overall as well as Verbal and Analytical Writing GRE scores, highest of all humanities majors on the Quantitative GRE scores, and highest among all humanities and social science majors on the GMAT. (Source: Educational Testing Service, "GRE Guide to the Use of Scores" (http://www.ets.org/s/gre/pdf/gre_guide_table4.pdf)) Philosophy students acquire skills in critical and analytical reasoning and writing that are invaluable for almost all fields of employment. The proposed undergraduate certificate program builds on the Philosophy Department's current field strengths and existing curriculum for the BA in Philosophy.

UNIVERSITY SYSTEM OF MARYLAND INSTITUTION PROPOSAL FOR

New Certificate in Existing Degree
Type D Proposal

University of Maryland, Baltimore County (UMBC)
Institution Submitting Proposal

Upper Division Certificate in Philosophy, Law, and Politics

**Title of Proposed
Program**

In Process

Post-Baccalaureate Certificate
Degree to be Awarded

09/01/2018
Projected Implementation Date

2208
Proposed HEGIS Code

45.9999
Social Sciences, Other
Proposed CIP Code

Philosophy
Department in which program will be
located

Steve Yalowitz, Dept. Chair
Department Contact

410-455-2108
Contact Phone Number

yalowitz@umbc.edu
Contact E-Mail Address

Signature of President or Designee

Date

New Certificate in Existing Degree Programs (as outlined in COMAR 13B.02.03.25.D)

(a) Explains centrality of the proposed certificate program to the mission of the institution.

The Upper Division Certificate in Philosophy, Law, and Politics is designed using only the existing curriculum for the Philosophy BA. It will be especially useful for students who are looking to gain a strong background in the foundations of law, legal studies, political theory, and public policy, and particularly those students who aim to attend law school or pursue graduate studies in fields related to law, policy, or politics, or who plan to seek employment in these fields.

This proposed certificate fulfills UMBC's main overall University Mission to prepare students "for graduate and professional study, entry into the workforce, and community service and leadership". One of the key motivations for offering this certificate is to help prepare students for graduate study in a variety of areas related to law, policy, and politics. For those philosophy major and non-major students aspiring to a career in law-related fields, completion of the Philosophy, Law and Politics certificate will strengthen their applications to law schools, and also provide excellent preparation for the LSAT. Completion of this certificate will similarly strengthen applications to political science and public policy programs and provide excellent preparation for the GREs. Statistics show that students with significant coursework in philosophy score higher than any other major on the LSAT. (Source: Educational Testing Service, "GRE Guide to the Use of Scores" (http://www.ets.org/s/gre/pdf/gre_guide_table4.pdf)) Statistics also show that students with significant coursework in philosophy score highest of all majors in Overall as well as Verbal and Analytical Writing GRE scores, highest of all humanities majors on the Quantitative GRE scores, and highest among all humanities and social science majors on the GMAT. (Source: Educational Testing Service, "GRE Guide to the Use of Scores" (http://www.ets.org/s/gre/pdf/gre_guide_table4.pdf))

Philosophy students acquire skills in critical and analytical reasoning and writing that are also invaluable for almost all fields of employment related to law, politics, and public policy. The availability of this certificate also fulfills the University Vision of fostering research across disciplines. Students from other parts of the university, in particular from Political Science and Economics, will benefit from taking courses in this certificate that complement their major. For instance, Political Science majors will learn to think critically about the conceptual foundations of their discipline by taking courses such as PHIL 355: Political Philosophy and PHIL 356: Philosophy of Law. Our hope is that some of the many students who already take one or two courses in the certificate because of their direct relevance to their major will go on to take two other related courses in order to receive the certificate.

The Upper Division Certificate in Philosophy, Law, and Politics thus supports UMBC's institutional goals and should be considered an institutional priority in increasing the numbers of students who go on to top tier graduate programs and employment in a variety of law-related fields.

(b) Provides evidence of the market demand for the proposed certificate program;

A number of philosophy majors considering graduate study in Philosophy are especially interested in political philosophy, and many are interested in law or politics-related professions; for such students, the completion of the Law and Politics certificate will make their applications especially attractive to philosophy graduate programs specializing in political philosophy, as well as to political science and public policy graduate programs and law schools. Many philosophy majors have a second major in Political Science or Economics. These students are already taking 2-3 courses which complement their second major that meet the certificate requirements, and so would need just to take 1-2 more courses to receive the certificate. For non-majors who are already taking 1-2 courses that meet the certificate requirements because they complement their major, the availability of this certificate will motivate them to take 2-3 more science-related courses to complete the certificate and hone their critical and analytical reasoning and writing skills.

(c) Sets out the curriculum design

Proposed Curriculum (12 credits, 15 including the lower division philosophy course prerequisite for all upper division philosophy courses)

Philosophy, Law, and Politics: This certificate will be useful for students looking to gain a strong background in the foundations of law, legal studies, political theory and public policy, and particularly those students who aim to attend law school or pursue graduate studies in fields related to law, policy, or politics, or who plan to seek employment in these fields.

Students must complete (1) a three-credit 100 or 200 level philosophy course to meet philosophy upper division course prerequisites, and (2) either PHIL 356 (Philosophy of Law) or PHIL 355 (Political Philosophy) (each three credits), and (3) also three courses from the following list (each three credits):

- PHIL 354 (Ethics, Animals, and the Environment) (three credits)
- PHIL 355 (Political Philosophy) (three credits)
- PHIL 356 (Philosophy of Law) (three credits)
- PHIL 357 (Philosophy and Human Rights) (three credits)
- PHIL 358 (Bioethics) (three credits)
- PHIL 471 (Freedom, Determinism, and Responsibility) (three credits)
- PHIL 486 (Kant's Moral and Political Philosophy) (three credits).

Students may petition the Department Chair in order to substitute relevant special or advanced topic courses toward meeting the four-course requirement.

For all Students: a course meeting one set of certificate requirements in the philosophy department cannot be used to meet another set of certificate requirements in the philosophy department.

(d) Shows that adequate faculty resources exist for the proposed certificate program

The core faculty for this certificate are almost entirely tenured or tenure track professors, or Lecturers teaching in their areas of specialization. All of the proposed courses serving to meet the requirements of the certificate enroll at least 20 students up through 40 students, and so have adequate capacity to serve the population interesting in pursuing the certificate. The proposed mandated courses are both offered at least every two years, with at least one offered every year, and all other courses are offered at least every two years. No additional resources are requested.

Faculty	Appt. Type	Degree & Field	Rank	Status	Courses
Steve Yalowitz	Tenured	Ph.D., Philosophy	Associate Professor	Full-Time	PHIL 471
Michael Nance	Tenure track	Ph.D., Philosophy	Assistant Professor	Full-Time	PHIL 355, PHIL 486
James Thomas	Non tenure track	B.A., Philosophy	Lecturer	Full-Time	PHIL 356, PHIL 357
Greg Ealick	Non tenure track	B.A., Philosophy	Lecturer	Full-Time	PHIL 354
Elizabeth Picciuto	Non tenure track	Ph.D., Philosophy	Instructor	Part-Time	PHIL 358

UNIVERSITY SYSTEM OF MARYLAND INSTITUTION PROPOSAL FOR

New Certificate in Existing Degree
Type D Proposal

University of Maryland, Baltimore County (UMBC)
Institution Submitting Proposal

Upper Division Certificate in Philosophy, Ethics, and Values

**Title of Proposed
Program**

In Process

Post-Baccalaureate Certificate
Degree to be Awarded

09/01/2018
Projected Implementation Date

2208
Proposed HEGIS Code

45.9999
Social Sciences, Other
Proposed CIP Code

Philosophy
Department in which program will be
located

Steve Yalowitz, Dept. Chair
Department Contact

410-455-2108
Contact Phone Number

yalowitz@umbc.edu
Contact E-Mail Address

Signature of President or Designee

Date

New Certificate in Existing Degree Programs (as outlined in COMAR 13B.02.03.25.D)

(a) Explains centrality of the proposed certificate program to the mission of the institution.

The Upper Division Certificate in Philosophy, Ethics, and Values is designed using only the existing curriculum for the Philosophy BA. It will be useful for students who are looking to gain a strong background in the understanding the nature of ethics, ethical theory, and what makes things have value more generally, and particularly for students who aim either to pursue graduate study or seek employment in ethics-related fields, such as law, public policy, and medical ethics. For students applying for graduate study in medicine, medical schools are increasingly emphasizing the importance of an ethics background for students seeking admission to medical school.

This proposed certificate fulfills UMBC's main overall University Mission to prepare students "for graduate and professional study, entry into the workforce, and community service and leadership". One of the key motivations for offering this certificate is to help prepare students for graduate study in a variety of areas in which ethics figures prominently. Statistics show that students with significant coursework in philosophy score highest of all majors in Overall as well as Verbal and Analytical Writing GRE scores, highest of all humanities majors on the Quantitative GRE scores, and highest among all humanities and social science majors on the GMAT. (Source: Educational Testing Service, "GRE Guide to the Use of Scores"

(http://www.ets.org/s/gre/pdf/gre_guide_table4.pdf)

Philosophy students acquire skills in critical and analytical reasoning and writing that are also invaluable for almost all fields of employment. The availability of this certificate also fulfills the University Vision of fostering research across disciplines. Students from other parts of the university, in particular from the natural and social sciences, will benefit from taking ethics-oriented courses in this certificate that complement their major. For instance, biology and psychology majors will learn to think critically about ethical issues tied to their discipline by taking courses such as PHIL 358: Bioethics and PHIL 353: Morality and Psychology. Our hope is that some of the many students who already take one or two courses in the certificate because of their direct relevance to their major will go on to take two other related courses in order to receive the certificate.

The Upper Division Certificate in Philosophy, Ethics, and Values thus supports UMBC's institutional goals and should be considered an institutional priority in increasing the numbers of students who go on to top tier graduate programs and employment in a variety of ethics-related fields including medical school.

(b) Provides evidence of the market demand for the proposed certificate program;

A number of philosophy majors considering graduate study in Philosophy are especially interested in ethics and metaethics; for such students, the completion of the Ethics and Values certificate will make their applications especially attractive to philosophy graduate programs specializing in ethics. Many philosophy majors have a second major in either

Biology or Psychology. These students, because of their existing focus on one of the sciences, are already taking 2-3 of the courses that meet the certificate requirements, and so would need just to take 1-2 more courses to receive the certificate. For non-majors who are already taking 1-2 courses that meet the certificate requirements because they complement their major, the availability of this certificate will motivate them to take 2-3 more science-related courses to complete the certificate and hone their critical and analytical reasoning and writing skills.

(c) Sets out the curriculum design

Proposed Curriculum (12 credits, 15 including the lower division philosophy course prerequisite for all upper division philosophy courses)

Philosophy, Ethics, and Values: This certificate will be useful for students looking to gain a strong background in the nature of ethics, ethical theory, and what makes things have value more generally, and particularly for students who aim either to pursue graduate study or seek employment in ethics-related fields, such as law, public policy, and medical ethics. For students applying for graduate study in medicine, medical schools are increasingly emphasizing the importance of an ethics background for students seeking admission to medical school.

Students must complete (1) a three-credit 100 or 200 level philosophy course to meet philosophy upper division course prerequisites, and (2) either PHIL 350 (Ethical Theory) or PHIL 353 (Morality and Psychology) (each three credits), and (3) also three courses from the following list (each three credits):

- PHIL 350 (Ethical Theory) (three credits)
- PHIL 353 (Morality and Psychology) (three credits)
- PHIL 354 (Ethics, Animals, and the Environment) (three credits)
- PHIL 357 (Philosophy and Human Rights) (three credits)
- PHIL 358 (Bioethics) (three credits)
- PHIL 368 (Aesthetics) (three credits)
- PHIL 450 (Metaethics) (three credits)
- PHIL 452 (Advanced Topics in Ethics) (three credits)
- PHIL 471 (Freedom, Determinism, and Responsibility) (three credits)
- PHIL 482 (Aristotle's Ethics) (three credits).

Students may petition the Department Chair in order to substitute relevant special or advanced topic courses toward meeting the four-course requirement.

For all Students: a course meeting one set of certificate requirements in the philosophy department cannot be used to meet another set of certificate requirements in the philosophy department.

(d) Shows that adequate faculty resources exist for the proposed certificate program

The core faculty for this certificate are almost all tenured or tenure track professors, or Lecturers teaching in their areas of specialization. All of the proposed courses serving to meet the requirements of the certificate enroll at least 20 students up through 40 students, and so have adequate capacity to serve the population interesting in pursuing the certificate. The proposed mandated courses are all offered at least every two years, with at least one offered every year, and all other courses are taught at least every two years. No additional resources are requested.

Faculty	Appt. Type	Degree & Field	Rank	Status	Courses
Steve Yalowitz	Tenured	Ph.D., Philosophy	Associate Professor	Full-Time	PHIL 471
Eric Campbell	Tenure track	Ph.D., Philosophy	Assistant Professor	Full-Time	PHIL 350, PHIL 353, PHIL 450, PHIL 452
Whitney Schwab	Tenure track	Ph.D., Philosophy	Assistant Professor	Full-Time	PHIL 482
James Thomas	Untenured	M.A., Philosophy	Lecturer	Full-Time	PHIL 357
Greg Ealick	Untenured	M.A.,Philosophy	Lecturer	Full-Time	PHIL 354
Elizabeth Picciuto	Adjunct	Ph.D., Philosophy	Instructor	Part-Time	PHIL 358, PHIL 368

UNIVERSITY SYSTEM OF MARYLAND INSTITUTION PROPOSAL FOR

X New Certificate in Existing Degree

Type D Proposal

University of Maryland, Baltimore County (UMBC)
Institution Submitting Proposal

Upper Division Certificate in History of Philosophy

**Title of Proposed
Program**

Post-Baccalaureate Certificate

Degree to be Awarded

09/01/2018

Projected Implementation Date

2208

Proposed HEGIS Code

45.9999

Social Sciences, Other
Proposed CIP Code

Philosophy

Department in which program will be
located

Steve Yalowitz, Dept. Chair

Department Contact

410-455-2108

Contact Phone Number

yalowitz@umbc.edu

Contact E-Mail Address

Signature of President or Designee

Date

New Certificate in Existing Degree Programs (as outlined in COMAR 13B.02.03.25.D)

(a) Explains centrality of the proposed certificate program to the mission of the institution.

The Upper Division Certificate in History of Philosophy is designed using only the existing curriculum for the Philosophy BA. It will be useful for students who are looking to gain a strong background in the history of philosophy, including but not restricted to particular historical periods such as Ancient Philosophy and 18th and 19th Century European Philosophy, and particularly for students who aim either to pursue graduate study in philosophy, ancient studies, or history or seek employment in fields with a strong humanities orientation, such as publishing, teaching, and education.

This proposed certificate fulfills UMBC's main overall University Mission to prepare students "for graduate and professional study, entry into the workforce, and community service and leadership". One of the key motivations for offering this certificate is to help prepare students for graduate study in a variety of areas related to the humanities. Statistics show that students with significant coursework in philosophy score highest of all majors in Overall as well as Verbal and Analytical Writing GRE scores, highest of all humanities majors on the Quantitative GRE scores, and highest among all humanities and social science majors on the GMAT. (Source: Educational Testing Service, "GRE Guide to the Use of Scores" (http://www.ets.org/s/gre/pdf/gre_guide_table4.pdf))

Philosophy students acquire skills in critical and analytical reasoning and writing that are also invaluable for almost all fields of employment. The availability of this certificate also fulfills the University Vision of fostering research across disciplines. Students from other parts of the university, such as History and Ancient Studies, will benefit from taking courses in this certificate that complement their major. For example, Ancient Studies majors will learn to think critically about key figures in their discipline by taking courses such as PHIL 321: Ancient Philosophy and PHIL 482: Aristotle's Ethics. Our hope is that some of the many students who already take one or two courses in the certificate because of their direct relevance to their major will go on to take two other related courses in order to receive the certificate.

The Upper Division Certificate in History of Philosophy thus supports UMBC's institutional goals and should be considered an institutional priority in increasing the numbers of students who go on to top tier graduate programs and employment in a variety of humanities-related fields.

(b) Provides evidence of the market demand for the proposed certificate program;

A number of philosophy majors considering graduate study in Philosophy are especially interested in periods in the History of Philosophy; for such students, the completion of the History of Philosophy certificate will make their applications especially attractive to philosophy graduate programs specializing in particular historical periods. Many philosophy majors have a second humanities major, for example in History and Ancient Studies. These students, because of their existing focus through their second major, are

already taking 2-3 of the courses that meet the certificate requirements, and so would need just to take 1-2 more courses to receive the certificate. For non-majors who are already taking 1-2 courses that meet the certificate requirements because they complement their major, the availability of this certificate will motivate them to take 2-3 more science-related courses to complete the certificate and hone their critical and analytical reasoning and writing skills.

(c) Sets out the curriculum design

Proposed Curriculum (12 credits, 15 including the lower division philosophy course prerequisite for all upper division philosophy courses)

History of Philosophy: This certificate will be useful for students looking to gain a strong background in the history of philosophy, including but not restricted to particular historical periods such as Ancient Philosophy and 18th and 19th Century European Philosophy, and particularly for students who aim either to pursue graduate study in philosophy, ancient studies, or history or seek employment in fields with a strong humanities orientation, such as publishing, teaching, and education.

Students must complete (1) a three-credit 100 or 200 level philosophy course to meet philosophy upper division course prerequisites, and (2) either PHIL 321 (History of Ancient Philosophy) or PHIL 322 (History of Modern Philosophy) (each three credits), and (3) also three courses from the following list (each three credits):

- PHIL 320 (Topics in the History of Philosophy) (three credits)
- PHIL 321 (History of Ancient Philosophy) (three credits)
- PHIL 322 (History of Modern Philosophy) (three credits)
- PHIL 327 (American Pragmatism) (three credits)
- PHIL 334 (Asian Philosophy) (three credits)
- PHIL 420 (Advanced Topics in 19th and 20th Century European Philosophy) (three credits)
- PHIL 481 (Advanced Topics in Ancient Philosophy) (three credits)
- PHIL 482 (Aristotle's Ethics) (three credits)
- PHIL 483 (Plato's Republic) (three credits)
- PHIL 484 (Kant's Theoretical Philosophy) (three credits)
- PHIL 485 (Nietzsche) (three credits)
- PHIL 486 (Kant's Moral and Political Philosophy) (three credits).

Students may petition the Department Chair in order to substitute relevant special or advanced topic courses toward meeting the four-course requirement.

For all Students: a course meeting one set of certificate requirements cannot be used to meet another set of certificate requirements.

(d) Shows that adequate faculty resources exist for the proposed certificate program

The core faculty for this certificate are almost all tenure track professors teaching in their areas of specialization. All of the proposed courses serving to meet the requirements of the certificate enroll at least 20 students up through 40 students, and so have adequate capacity to serve the population interesting in pursuing the certificate. The proposed mandated courses are both offered every year, and all other courses at least every two years, except for PHIL 327 and PHIL 334, because of faculty migration. No additional resources are requested.

Faculty	Appt. Type	Degree & Field	Rank	Status	Courses
Michael Nance	Tenure track	Ph.D., Philosophy	Assistant Professor	Full-Time	PHIL 320, PHIL 322, PHIL 420, PHIL 486
Eric Campbell	Tenure track	Ph.D., Philosophy	Assistant Professor	Full-Time	PHIL 485
Whitney Schwab	Tenure track	Ph.D., Philosophy	Assistant Professor	Full-Time	PHIL 321, PHIL 481, PHIL 482, PHIL 483,
David Jacobs	Non tenure track	Ph.D., Philosophy	Instructor	Part-Time	PHIL 484

UNIVERSITY SYSTEM OF MARYLAND INSTITUTION PROPOSAL FOR

New Certificate in Existing Degree
Type D Proposal

University of Maryland, Baltimore County (UMBC)
Institution Submitting Proposal

Upper Division Certificate in Philosophy of Mind and Psychology

**Title of Proposed
Program**

In Process

Post-Baccalaureate Certificate
Degree to be Awarded

09/1/2018
Projected Implementation Date

2208
Proposed HEGIS Code

45.9999
Social Sciences, Other
Proposed CIP Code

Philosophy
Department in which program will be
located

Steve Yalowitz, Dept. Chair
Department Contact

410-455-2108
Contact Phone Number

yalowitz@umbc.edu
Contact E-Mail Address

Signature of President or Designee

Date

New Certificate in Existing Degree Programs (as outlined in COMAR 13B.02.03.25.D)

(a) Explains centrality of the proposed certificate program to the mission of the institution.

The Upper Division Certificate in Philosophy of Mind and Psychology is designed using only the existing curriculum for the Philosophy BA. It will be useful for students who are looking to gain a strong background in understanding the nature of the mind and foundations of psychology as well as their relations to fields such as computer science, cognitive science, cognitive and social psychology, and neuroscience, and particularly for students who aim to pursue graduate study or seek employment in these and related fields.

This proposed certificate fulfills UMBC's main overall University Mission to prepare students "for graduate and professional study, entry into the workforce, and community service and leadership". One of the key motivations for offering this certificate is to help prepare students for graduate study in a variety of areas related to the study of mind and psychology. Statistics show that students with significant coursework in philosophy score highest of all majors in Overall as well as Verbal and Analytical Writing GRE scores, highest of all humanities majors on the Quantitative GRE scores, and highest among all humanities and social science majors on the GMAT. (Source: Educational Testing Service, "GRE Guide to the Use of Scores"

http://www.ets.org/s/gre/pdf/gre_guide_table4.pdf)

Philosophy students acquire skills in critical and analytical reasoning and writing that are also invaluable for almost all fields of employment related to mind and psychology. The availability of this certificate also fulfills the University Vision of fostering research across disciplines. Students from other parts of the university, in particular from the natural and social sciences, will benefit from taking courses in this certificate that complement their major. For instance, Psychology majors will learn to think critically about the conceptual foundations of their discipline by taking courses such as PHIL 380: Philosophy of Mind and PHIL 477: Minds, Machines, and Logic. Our hope is that some of the many students who already take one or two courses in the certificate because of their direct relevance to their major will go on to take two other related courses in order to receive the certificate.

The Upper Division Certificate in Philosophy of Mind and Psychology thus supports UMBC's institutional goals and should be considered an institutional priority in increasing the numbers of students who go on to top tier graduate programs and employment in a variety of science-related fields.

(b) Provides evidence of the market demand for the proposed certificate program;

A number of philosophy majors considering graduate study in Philosophy are especially interested in philosophy of mind and philosophy of psychology (including artificial intelligence, machine learning, computer science, neuroscience); for such students, the completion of the Philosophy of Mind and Psychology certificate will make their applications especially attractive to philosophy and other graduate programs specializing in these fields. Many philosophy majors have a second major in either Psychology or Computer

Science. These students, because of their existing focus on one of the sciences, are already taking 2-3 of the philosophy courses that meet the certificate requirements, and so would need just to take 1-2 more courses to receive the certificate. For non-majors who are already taking 1-2 courses that meet the certificate requirements because they complement their major, the availability of this certificate will motivate them to take 2-3 more science-related courses to complete the certificate and hone their critical and analytical reasoning and writing skills.

(c) Sets out the curriculum design

Proposed Curriculum (12 credits, 15 including the lower division philosophy course prerequisite for all upper division philosophy courses)

Philosophy of Mind and Psychology: This certificate will be useful for students looking to gain a strong background in the nature of the mind and foundations of psychology as well as their relations to fields such as computer science, cognitive science, cognitive and social psychology, and neuroscience, and particularly for students who aim to pursue graduate study or seek employment in these and related fields.

Students must complete (1) a three-credit 100 or 200 level philosophy course to meet philosophy upper division course prerequisites, and (2) either PHIL 380 (Philosophy of Mind) or PHIL 353 (Morality and Psychology) (each three credits), and (3) three courses from the following list (each three credits):

- PHIL 345 (Philosophy of Language) (three credits)
- PHIL 353 (Morality and Psychology) (three credits)
- PHIL 371 (Epistemology) (three credits)
- PHIL 373 (Metaphysics) (three credits)
- PHIL 380 (Philosophy of Mind) (three credits)
- PHIL 471 (Freedom, Determinism, and Responsibility) (three credits)
- PHIL 473 (Self-Knowledge) (three credits)
- PHIL 475 (Irrationality) (three credits)
- PHIL 477 (Minds, Machines, and Logic) (three credits).

Students may petition the Department Chair in order to substitute relevant special or advanced topic courses toward meeting the four-course requirement.

For all Students: a course meeting one set of certificate requirements in the philosophy department cannot be used to meet another set of certificate requirements in the philosophy department.

(d) Shows that adequate faculty resources exist for the proposed certificate program

The core faculty for this certificate are all tenured or tenure track professors, or Lecturers teaching in their areas of specialization. All of the proposed courses serving to meet the requirements of the certificate enroll at least 20 students up through 40 students, and so have adequate capacity to serve the population interesting in pursuing the certificate. The proposed mandated courses are all offered at least every two years, with at least one offered every year, and all other courses are taught at least every two years. No additional resources are requested.

Faculty	Appt. Type	Degree & Field	Rank	Status	Courses
Steve Yalowitz	Tenured	Ph.D., Philosophy	Associate Professor	Full-Time	PHIL 380, PHIL 471, PHIL 473, PHIL 475
Eric Campbell	Tenure track	Ph.D., Philosophy	Assistant Professor	Full-Time	PHIL 353
Whitney Schwab	Tenure track	Ph.D., Philosophy	Assistant Professor	Full-Time	PHIL 371
James Thomas	Untenured	M.A., Philosophy	Lecturer	Full-Time	PHIL 373
Greg Ealick	Untenured	M.A.,Philosophy	Lecturer	Full-Time	PHIL 345, PHIL 477

X New Certificate in Existing Degree
Type D Proposal

University of Maryland, Baltimore County (UMBC)
Institution Submitting Proposal

Upper Division Certificate in Philosophy, Logic, and Science

**Title of Proposed
Program**

Post-Baccalaureate Certificate
Degree to be Awarded

09/01/2018
Projected Implementation Date

2208
Proposed HEGIS Code

45.9999
Social Sciences, Other
Proposed CIP Code

Philosophy
Department in which program will be
located

Steve Yalowitz, Dept. Chair
Department Contact

410-455-2108
Contact Phone Number

yalowitz@umbc.edu
Contact E-Mail Address

Signature of President or Designee

Date

New Certificate in Existing Degree Programs (as outlined in COMAR 13B.02.03.25.D)

(a) Explains centrality of the proposed certificate program to the mission of the institution.

The Upper Division Certificate in Philosophy, Logic, and Science is designed using only the existing curriculum for the Philosophy BA. It will be useful for students who are looking to gain a strong background in the foundations of scientific reasoning and methodology, and particularly for students who aim either to pursue graduate studies in philosophy of science, logic, and other science-related fields including biology and medical school, to seek employment in science labs and businesses with a significant foothold in the natural or social sciences, or to teach science or math.

This proposed certificate fulfills UMBC's main overall University Mission to prepare students "for graduate and professional study, entry into the workforce, and community service and leadership". One of the key motivations for offering this certificate is to help prepare students for graduate study in a variety of areas related to the sciences. For students applying for graduate study in medicine, medical schools are increasingly emphasizing the importance of a humanities-oriented, critical and analytical reasoning-based background for students seeking admission to medical school. Statistics show that students with significant coursework in philosophy score highest of all majors in Overall as well as Verbal and Analytical Writing GRE scores, highest of all humanities majors on the Quantitative GRE scores, and highest among all humanities and social science majors on the GMAT. (Source: Educational Testing Service, "GRE Guide to the Use of Scores" (http://www.ets.org/s/gre/pdf/gre_guide_table4.pdf))

Philosophy students acquire skills in critical and analytical reasoning and writing that are also invaluable for almost all fields of employment within the sciences. The availability of this certificate also fulfills the University Vision of fostering research across disciplines. Students from other parts of the university, in particular from the natural and social sciences, will benefit from taking courses in this certificate that complement their major. For instance, biology majors will learn to think critically about the conceptual foundations of their discipline by taking courses such as PHIL 394: Philosophy of Biology and PHIL 478: Philosophy and Evolution. Our hope is that some of the many students who already take one or two courses in the certificate because of their direct relevance to their major will go on to take two other related courses in order to receive the certificate.

The Upper Division Certificate in Philosophy, Logic, and Science thus supports UMBC's institutional goals and should be considered an institutional priority in increasing the numbers of students who go on to top tier graduate programs and employment in a variety of science-related fields, in particular medical schools.

(b) Provides evidence of the market demand for the proposed certificate program;

A number of philosophy majors considering graduate study in Philosophy are especially interested logic, scientific reasoning, and philosophy of science; for such students, the completion of the Philosophy, Logic, and Science certificate will make their applications especially attractive to philosophy graduate programs specializing in these fields. Many

philosophy majors have a second major in Biology, Psychology or Computer Science. These students, because of their existing focus on one of the sciences, are already taking 2-3 of the courses that meet the certificate requirements, and so would need just to take 1-2 more courses to receive the certificate. For non-majors who are already taking 1-2 courses that meet the certificate requirements because they complement their major, the availability of this certificate will motivate them to take 2-3 more science-related courses to complete the certificate and hone their critical and analytical reasoning and writing skills.

(c) Sets out the curriculum design

Proposed Curriculum (12 credits, 15 including the lower division philosophy course prerequisite for all upper division philosophy courses)

Philosophy, Logic, and Science: This certificate will be useful for students who are looking to gain a strong background in the foundations of scientific reasoning and methodology, and particularly for students who aim either to pursue graduate studies in philosophy of science, logic, and other science-related fields including medical school, to seek employment in science labs and businesses with a significant foothold in the natural or social sciences, or to teach science or math.

Students must complete (1) a three-credit 100 or 200 level philosophy course to meet philosophy upper division course prerequisites, and (2) either PHIL 346 (Deductive Logic) or PHIL 372 (Philosophy of Science) (each three credits), and (3) also three courses from the following list (each three credits):

- PHIL 248 (Introduction to Scientific Reasoning) (three credits)
- PHIL 346 (Deductive Logic) (three credits)
- PHIL 371 (Epistemology) (three credits)
- PHIL 372 (Philosophy of Science) (three credits)
- PHIL 373 (Metaphysics) (three credits)
- PHIL 394 (Philosophy of Biology) (three credits)
- PHIL 395 (Philosophy of Physics) (three credits)
- PHIL 472 (Advanced Topics in Philosophy of Science) (three credits)
- PHIL 474 (Possible Worlds) (three credits)
- PHIL 478 (Philosophy and Evolution) (three credits)
- PHIL 479 (Paradoxes) (three credits).

Students may petition the Department Chair in order to substitute relevant special or advanced topic courses toward meeting the four-course requirement.

For all Students: a course meeting one set of certificate requirements in the philosophy department cannot be used to meet another set of certificate requirements in the philosophy department.

(d) Shows that adequate faculty resources exist for the proposed certificate program

The core faculty for this certificate are almost entirely tenured or tenure track professors, or Lecturers teaching in their areas of specialization. All of the proposed courses serving to meet the requirements of the certificate enroll at least 20 students up through 40 students, and so have adequate capacity to serve the population interesting in pursuing the certificate. Of the proposed mandated courses, one (PHIL 346) is offered at least every year and the other (PHIL 372) at least every two years, and all other courses are offered at least every two years except, currently, PHIL 395: Philosophy of Physics, because of faculty migration. No additional resources are requested.

Faculty	Appt. Type	Degree & Field	Rank	Status	Courses
Jessica Pfeifer	Tenured	Ph.D., Philosophy and Science Studies	Associate Professor	Full-Time	PHIL 372, PHIL 394, PHIL 472, PHIL 474, PHIL 478, PHIL 479
Whitney Schwab	Tenure track	Ph.D., Philosophy	Assistant Professor	Full-Time	PHIL 371
James Thomas	Untenured	M.A., Philosophy	Lecturer	Full-Time	PHIL 373
Greg Ealick	Untenured	M.A.,Philosophy	Lecturer	Full-Time	PHIL 248, PHIL 478
Dan Jenkins	Untenured	M.A., Philosophy	Adjunct Instructor	Part-Time	PHIL 346