From: <u>Vincent, Leslie H.</u>

To: Harmon, Camille; Beattie, Ruth E.; Brothers, Sheila C.
Cc: Ett-Mims, Joanie; Cramer, Aaron M.; Woolery, Stephanie L.
Subject: Proposed New Undergraduate Certificate in Pre-Medicine

Date: Monday, November 23, 2020 9:28:22 AM

Attachments: Post bacc UG certificate in Pre-Medicine-new (revised 11-17-20).pdf

Sheila,

The proposal for the new undergraduate certificate in Pre-Medicine is now ready for review at Senate Council.

Proposed New Undergraduate Certificate in Pre-Medicine

This is a recommendation that the University Senate approve a new undergraduate certificate in Pre-Medicine in the College of Arts and Sciences.

Rationale:

The Post-Baccalaureate Undergraduate Certificate in Pre-Medicine is a cross-disciplinary 51 credithour certificate program that is designed to prepare students to for Medical School. The University of Kentucky currently offers several undergraduate degrees that prepare students for the Medical College Admission Test (MCAT). However, the University of Kentucky does not currently offer a post-baccalaureate undergraduate program for students who wish to pursue a career in medicine and this certificate will address this need. In particular, the target audience for this certificate will be students who have earned a bachelor's degree and wish to change their career path to medicine. By taking coursework across disciplines, students will develop the knowledge and skills required for success on the medical college admission test (MCAT) and in the medical profession. Students admitted in the certificate program must also be admitted to the University of Kentucky as a Post-baccalaureate student, with an awarded undergraduate degree from an accredited college or university and a minimum 3.5 undergraduate cumulative GPA. Admission into the program does not guarantee admission into medical school. Students must still apply for medical school through the normal application process. Expected enrollment in the certificate will be 10 students in Year 1 and is expected to grow to a steady state of 20 students.

Best, Leslie

Leslie H. Vincent, PhD

Department of Marketing & Supply Chain Gatton College of Business & Economics University of Kentucky leslie.vincent@uky.edu

NEW UNDERGRADUATE CERTIFICATE

Certificate Description. An Undergraduate Certificate is an integrated group of courses (as defined here 12 or more credits) that are 1) cross-disciplinary, but with a thematic consistency, and 2) form a distinctive complement to a student's major and degree program, or 3) leads to the acquisition of a defined set of skills or expertise that will enhance the success of the student upon graduation. Undergraduate Certificates meet a clearly defined educational need of a constituency group, such as continuing education or accreditation for a particular profession; provide a basic competency in an emerging area within a discipline or across disciplines; or respond to a specific state mandate.

Approval process. Once approved at the college level, your college will send the proposal to the appropriate Senate academic council (possibly HCCC and/or UC) for review and approval. Once approved at the academic council level, the academic council will send your proposal to the Senate Council office for additional review via a committee and then to the SC and University Senate. (The contact person listed on the form will be informed when the proposal has been sent to committee and other times as appropriate.) The last step in the process is Senate approval; upon Senate approval, students can enroll in the new certificate.

Please click <u>here</u> for more information about undergraduate certificates.

1. GEN	ERAL INFORMATIO	ON					
1a	Home college: Ar	ts and Science	S				
1b	Home educationa	Home educational unit (department, school, college ¹): Arts and Sciences					
1c	Office of Strategic Planning and Institutional Effectiveness (OSPIE) (Please contact OSPIE (OSPIE@L.uky.edu) for help with questions in this section.)						
		Date of contact with OSPIE: 01/08/19					
			d to the end of	this form is a PDF of the reply from	OSPIE.		
				this form is a letter(s) of administra ering the certificate.	tive feasibility from the		
		CIP Code (co	nfirmed by OSF	PIE): 51.1102			
1d	Proposed certification <i>Pre-Medicine</i>	ate name:		Post-baccalaureate Unde	ergraduate Certificate in		
1e	Requested effect	ive date:	Fall semes	ster following approval. OR 🛛 🔀	Specific Date ² : Fall 2019		
1f	Contact person n	ame: <i>Ruth Bea</i>	ttie	Email: rebeat1@uky.edu	Phone: 8593239925		
2. OVE							
2a		<u> </u>	<u> </u>	w undergraduate certificate. (300 w	·		
				icate in Pre-Medicine is a cross-disc ol. The University of Kentucky curre			
				or the Medical College Admission Te			

¹ Only cross-disciplinary certificates may be homed at the college level.

² Certificates are typically made effective for the semester following approval. No program will be made effective unless all approvals, up through and including University Senate approval, are received.

	University of Kentucky does not offer a post-baccalaureate undergraduate program for stipursue a career in medicine. The Post-Baccalaureate Undergraduate Certificate in Pre-la	ndents who Medicine	o wish to will be of ir	ıteres
	to students who have earned a bachelor's degree and wish to change their career path to		ū	
	coursework across disciplines, students will develop the knowledge and skills required for college admission test (MCAT) and in the medical profession.		-	ical
	According to the Association of American Medical Colleges (AAMC), over 15% of the ind	ividuals w	ho apply fo	r
	medical school have completed some form of post-baccalaureate pre-medical program. Ty	ypically, th	iese progra	ıms
	fall into two basic categories: 1) Programs for students who have completed the pre-med curriculum but want to in	nprove the	eir GPA and	d
	increase their competitiveness; and Programs for students who have completed an undergraduate degree and wish to	ah an a a th	oin aanaan	
	2) Programs for students who have completed an undergraduate degree and wish to path and enter medical school, but who haven't completed the pre-med curriculum.	cnange in	eir career	
	The proposed Post-Baccalaureate Undergraduate Certificate in Pre-Medicine focuses on latter category.	the stude	nts in this	
	The goal of the certificate program is to provide high quality accelerated pre-medical pre	paration t	or post-	
	baccalaureate students wishing to enter medical school. This full-time program will only			
	baccalaureate students and is intended for those who wish to change their career path to			ot
	yet completed the pre-medical coursework. This program will be marketed under the nam	e PREP4N	<i>MD</i> .	
2b	This proposed undergraduate certificate (check all that apply):			
	Is cross-disciplinary ³ .			
	☐ Is certified by a professional or accredited organization/governmental agency.			
	Clearly leads to advanced specialization in a field.			
	· · · · · · · · · · · · · · · · · · ·			
2c	Affiliation. Is the undergraduate certificate affiliated with a degree program?	Yes 🗌	No 🖂	
	If "yes," include a brief statement of how it will complement the program. If it is not affili	ated with	a degree	
	program, incorporate a statement as to how it will provide an opportunity for a student t	o gain kno	owledge or	
	skills not already available at UK. (300 word limit)			
2d	Duplication. Are there similar regional or national offerings?	Yes 🖂	No 🗌	
Zu	If "Yes," explain how the proposed certificate will or will not compete with similar region			
	According to the <i>burning glass</i> , there are approximately 36 post-baccalaureate pre-med			
	U.S. that use the CIP code 54.1102. Only one such program existed in the Commonwea		•	.
	(University of Louisville). The post-baccalaureate pre-med program at the University of			
	(by national standards) - it served 8 - 12 students each year and was directed only at stu			
	to attend the medical school at the University of Louisville. Due to budgetary issues, thi			
	phased out. As a result, the proposed certificate program at the University of Kentucky	will be th	e only	
	program of this type in the state.			
	See benchmark data on attached memo.			
	Rationale and Demand. Explain the need for the new undergraduate certificate (e.g. mar	rket dema	nd and cro	SS-
2d	disciplinary considerations). (300 word limit)			,,
	The University of Kentucky offers a range of undergraduate majors that prepare students	for admiss	sion into	

³ An undergraduate certificate must be cross-disciplinary and students must take courses in at least two disciplines, with a minimum of three credits to be completed in a second discipline.

	earned an undergradu	university does not, how uate degree and wish to raduate coursework to	change	their career pl	ans and enter me	edical school. Th	ese students
	students enrolled at U	K who are completing	pre-mea	lical requireme	nts. Of this numb	ber, 24 are eligib	ole to apply
		gram (based on # of pr	-		- · · · · · · · · · · · · · · · · · · ·	-	-
	need for Kentucky residents who wish to pursue a career in medicine. This program addresses Strategic Initiative 2 of the UK Strategic Plan 2015-2020: Strategic Initiative 2: Enhance students' learning and their						
		buting to a rapidly cha		_		_	
	and innovative curricu	ular offerings and state	-of-the-c	art teaching.			
	Action Step 2: Buildin	g on the foundation of a	existing	programs and o	on UK's strength	ns, identify and d	levelop new
		nms (including certifica preparation and prepar					
		wide participants with tre-medicine Posbaccau	_	-			=
	medical school admiss	sions process.			-		
		te undergraduate certifi	icate pro	ogram is modell	led on similar pr	ograms offered 1	nationwide.
	The MCAT curriculun	n consists of undergrad	uate coi	ırsework, prima	arily at the 100-	and 200- level, a	nd so this
	program is being subr	nitted as an undergradi	uate cer	tificate as the co	oursework doesn	't fit the criteria	for a
	graduate certificate.						
2e		ck the box(es) that app		target student	population.		
	<u> </u>	undergraduate studen	its.				
	Nost-baccalaureat	e students.					
2f	Describe the demogra	phics of the intended a	audience	e. (150 word lin	nit)		
	Our target audience v	will be post-baccalaure	ate stud	ents. This demo	ographic may in	clude recent grad	duates and
		its who are looking to s					
		icate in Pre-Medicine v					_
	and wish to change th	eir career path, but wh	o have r	ot yet complete	ed all of the pre-	medical curricul	um.
2	But at day allows	Market and the control of		·	C		
2g	Projected enrollment	. What are the enrollm	ent proj		first three years		
		Year 1		Year 2	i	Year 3	. matin im m
				(Yr. 1 continu	ing + new	•	ntinuing +
	Number of Students	10		entering) 20		new entering) 20	
	Number of Students	10		20		20	
	Distance learning (DI). Initially, will any port	ion of th	ne undergradua	te certificate he		
2h	offered via DL?					Yes 🔛	No 🔀
	<u> </u>	te below the percentag					
	1% - 24%	25% - 49%	50%	- 74%	75 - 99% 🔝	100%	
	If "Yes," describe the	DL course(s) in detail, in	ncluding	the number of	required DL cou	ırses. (200 word	limit)

3. ADN	MINISTRATION AND RESOURCES
2-	Administration. Describe how the proposed undergraduate certificate will be administered, including
3a	admissions, student advising, retention, etc. (150 word limit)
	The Post-Baccalaureate Undergraduate Certificate in Pre-Medicine will be administered by the certificate director who will be appointed by the dean of the College of Arts and Sciences in consultation with the faculty of record. This certificate program will be open to all post-baccalaureate students enrolled at the University of Kentucky who have met the certificate prerequisite requirements and have not already completed all of the pre-medical curriculum. Students will be advised by College of Arts and Sciences Pre-Health Professions professional advisors. The certificate director, along with the professional advisors, will monitor the students' progress in the certificate program. The College of Arts and Sciences will ensure that students are receiving opportunities for internships, experiential learning, and pre-med career advising. Please see attached memo for examples of co-curricular activities.
3b	 Faculty of Record. The Faculty of Record consists of the undergraduate certificate director and other faculty who will be responsible for planning and participating in the certificate program. Describe the process for identifying the certificate director. Regarding membership, include the aspects below. (150 word limit) Selection criteria; Whether the member is voting or non-voting; Term of service; and Method for adding/removing members.
	Please see memo section 3b for faculty of record
3c	Advisory board. Will the undergraduate certificate have an advisory board ⁴ ? Yes No
	If "Yes," please describe the standards by which the faculty of record will add or remove members of the
	advisory board. (150 word limit)
	If "Yes," please list below the <u>number</u> of each type of individual (as applicable) who will be involved in the advisory board.
	Faculty within the college who are within the home educational unit.
	Faculty within the college who are outside the home educational unit.
	Faculty outside the college who are within the University.
	Faculty outside the college and outside the University who are within the United States.
	Faculty outside the college and outside the University who are outside the United States.

⁴ An advisory board includes both faculty and non-faculty who advise the faculty of record on matters related to the program, e.g. national trends and industry expectations of graduates.

		Students who are currently in the program.		
		Students who recently graduated from the program.		
		Members of industry.		
		Community volunteers.		
		Other. Please explain:		
		Total Number of Advisory Board Members		
3d	Course u	tilization. Will this undergraduate certificate utilize courses from other	Yes 🖂	No 🗌
Ju	academic	cunits?	163	
	If "Yes," t	wo pieces of supporting documentation are required.		
	chair/direction	to confirm that appended to the end of this form is a letter of support from the ector ⁵ from which individual courses will be used. The letter must include demontion between multiple units ⁶ and impact on the course's use on the home educate to confirm that appended to the end of this form is verification that the chair/disconsent from the faculty members of the unit. This typically takes the form of me	stration o tional unit	f true t. the other
		· · · · · · · · · · · · · · · · · · ·		
3e	certificat	Resources. What are the (non-course) resource implications for the proposed under, including any projected budget needs? (300 word limit) from of this certificate program will not incur additional costs. The College of Arts	_	
	provide a space is 1	budget for recruitment materials. No other budget resources are required. Addit not required. Adequate seats are currently available in all courses. Additional pro s are not required	ional adm	iinistrative
	Othor Do	serves Will the proposed undergraduate contificate utilize recourses (e.g.		
3f		sources. Will the proposed undergraduate certificate utilize resources (e.g. entally controlled equipment or lab space) from additional units/ programs?	Yes	No 🖂
	· ·	dentify the other resources that will be shared. (150 word limit)		
	,	,		
	If "Yes," t	wo pieces of supporting documentation are required.		
		to confirm that appended to the end of this form is a letter of support from the ector ⁷ of the unit whose "other resources" will be used.	appropria	nte
	Check	to confirm that appended to the end of this form is verification that the chair/di	rector of	the other
	unit has	consent from the faculty members of the unit. This typically takes the form of me	eting min	utes.
4. IMP	ACT			
4a	Other rel	ated programs. Are there any related UK programs and certificates?	Yes 🖂	No 🗌
	If "Yes," o	describe how the new certificate will complement these existing UK offerings. (25	50 word lii	mit)
	The Colle	ege of Medicine offers the Master of Science (MS) in Medical Sciences, which may	be used l	by students
	seeking c	redentials in the biomedical sciences as a preliminary to applying for medical sch	ool or oth	ner health

⁵ A dean may submit a letter only when there is no educational unit below the college level, i.e. there is no department/school.

⁶ Show evidence of detailed collaborative consultation with such units early in the process.

⁷ A dean may submit a letter only when there is no educational unit below the college level, i.e. there are no departments/schools.

NEW UNDERGRADUATE CERTIFICATE

	the pre-medical red career-changers pr each other and will	nal programs. This program enhances the crea quirements and who wish to improve their acc rogram and does not offer the pre-medical co l not compete for the same pool of students. T ree program offered at UK	ademic standing ar ursework. The two	nd competitiveness. It is not a programs will complement
	If "Yes," two pieces	s of supporting documentation are required.		
		m that appended to the end of this form is a ne unit whose "other resources" will be used.		rom the appropriate
	Check to confir	m that appended to the end of this form is vo	erification that the	chair/director has input from
		ers of the unit. This typically takes the form of		·
	,			
5. AD	MISSIONS CRITERIA	AND CURRICULUM STRUCTURE		
5a	Admissions criteria	a. List the admissions criteria for the propose	ed undergraduate o	certificate. (150 word limit)
	1. Must be admitte	ed to the University of Kentucky as a Post-bac	ccalaureate studen	t.
	2. Must submit an	official transcript showing an awarded under	rgraduate degree f	from an accredited college or
		inimum 3.5 undergraduate cumulative GPA.		
		ed into the Post-baccalaureate Undergraduat	· ·	· · · · · · · · · · · · · · · · · · ·
	_	pleted freshman English composition and calc	culus (calculus 1 o	r higher) coursework is required
	before admission in	•		
		e program does not guarantee admission into	medical school. S	tudents must still apply for
	medical school thre	ough the normal application process		
-1-	00	The control of the last		
5b		the required courses below.		
Prefix Numl		Course Title	Credit Hrs	Course Status ⁸
	Please see attac	ched memo section b and c for curriculum		Select one
			·	
5c	Elective courses. L	ist the electives below.		
Prefix Num		Course Title	Credit Hrs	Course Status ⁹
	Please see attac	ched memo section b and c for curriculum		Select one
				Select one
				Select one
				Select one

⁸ Use the drop-down list to indicate if the course is a new course ("new"), an existing course that will change ("change"), or if the course is an existing course that will not change ("no change").

⁹ Use the drop-down list to indicate if the course is a new course ("new"), an existing course that will change ("change"), or if the course is an existing course that will not change ("no change").

			Select one	•
			Select one	•
	Total Credit Hours:	51		
5d	Are there any other requirements for the undergraduate certificate? If below. (150 word limit)	"Yes," note	Yes 🖂	No 🗌
	Please see attached memo section b and c for curriculum			
5e	Is there any other narrative about the undergraduate certificate that shincluded in the Bulletin? If "Yes," please note below. (300 word limit)	nould be	Yes	No 🖂
6. ASSE	SSMENT			
6a	Student learning outcomes. Please provide the student learning outcomes. List the knowledge, competencies, and skills (learning outcomes) stude (Use action verbs, not simply "understand.") (250 word limit)		_	
	Students will be able to 1) Demonstrate an understanding of chemical and physical scientific 2) Apply biological and biochemical foundations of knowledge to sc. 3) Identify psychological, social and biological foundations of behave of the world, as well as their health and behavior. 4) Demonstrate critical and analytical thinking, and draw conclusion the MCAT (Medical College Admission Test). (AACU Critical Thinking)	ientific cond vior that affo s from skills	ect an individi	
6b	Student learning outcome (SLO) assessment. How and when will stude Please map proposed measures to the SLOs they are intended to asses (e.g. focus groups, surveys) as the sole method. Measures likely include assessment (e.g., portfolios, research papers or oral presentations); an licensure/certification testing, nationally or state-normed exams). (300)	s. Do not us e artifacts su d test items	se grades or in uch as course- s (embedded t	ndirect measures -embedded
	Please see attached assessment plan			
6c	Certificate outcome assessment ¹⁰ . Describe program evaluation proce certificate. Include how the faculty of record will determine whether the benchmarks, the assessment tools, and the plan of action if the proword limit)	ne program	is a success o	r a failure. List
	Please see attached assessment plan			
7. OTH	ER INFORMATION			
7a	Is there any other information about the undergraduate certificate to a	ndd? (150 w	ord limit)	
	see attached memo.			

 $^{^{10}}$ This is a plan of how the certificate will be assessed, which is different from assessing student learning outcomes.

	miorination below aces in		uirement for individual letters of support from educational ur	nit					
administrators and verification of faculty support (typically takes the form of meeting minutes).									
	Reviewing Group	Date	Contact Person Name/Phone/Email						
	Name	Approved	Contact i croon ivanic, i none, inan						
	(Within College) In addit	ion to the informati	on below, attach documentation of department and college ap	prov					
a	This typically takes the form of meeting minutes but may also be an email from the unit head reporting								
	department- and college	-level votes.							
	College of Arts and		/ /						
	Sciences		/ /						
			/ /						
			/ /						
			/ /						
3b	(Collaborating and/or Af	(Collaborating and/or Affected Units)							
			/ /						
			/ /						
			/ /						
			/ / / / / /						
			/ / / / / /						
3c	(Senate Academic Counc	il)							
ßc	(Senate Academic Counc	•	/ / / / / / / / / / / / / / / / / / Date Approved Contact Person Name						

To: Undergraduate Council

From: Ruth E Beattie

Associate Dean for Advising College of Arts and Sciences

Rebeat1@uky.edu

Date: February 18, 2019

Re: Post-baccalaureate Undergraduate Certificate in Pre-Medicine Program

Enclosed please find the application materials for a new Post-Baccalaureate Undergraduate Certificate in Pre-Medicine. (PREP4MD).

The following documents are attached:

- Undergraduate Certificate form
- Appendix A: Reply from OSPIE
- Appendix B: Letter of support from the Dean of the College of Arts and Sciences
- Appendix C: Letter of support from the Associate Dean of Biomedical Education in the College of Medicine
- Appendix D: Letter of support from the Department of Biology
- Appendix E: Letter of support from the Department of Chemistry
- Appendix F: Letter of support from the Department of Molecular and Cellular Biochemistry
- Appendix G: Letter of support from the Department of Physics and Astronomy
- Appendix H: Letter of support from the Department of Psychology
- Appendix I: Letter of support from the Department of Sociology
- Appendix J: Letter of support from the Department of Statistics

OSPIE Approval

Appendix A: Response from OSPIE

Received January 11, 2019

Pearson, RaeAnne

Today, 1:36 PM Beattie, Ruth; Weber, Annie; Office of Strategic Planning and Institutional Effectiveness

Dear Ruth E. Beattie,

Thank you for submitting a Notification of intent for Post-baccalaureate Pre-Medical Certificate, GCERT1, Post-baccalaureate Certificate (51.1102).

My email will serve 2 purposes: 1.) Next steps for SACSCOC, and 2.) Verification and notification that you have contacted OSPIE—a Senate requirement for proposal approval.

- 1. Next steps for SACSCOC: None required
- 2. Verification that OSPIE has reviewed the proposal: Based on the documentation presented the proposed program does not constitute a substantive change as defined by the University or SACSCOC, the university's regional accreditor. Therefore, no additional information is required by the Office of Strategic Planning & Institutional Effectiveness at this time. The proposed program change(s) may move forward in accordance with college and university-level approval processes.

IMPORTANT: Certificates (undergraduate and graduate) will be added to the CPE Inventory once they have been approved by the University Senate. For degree programs, an NOI will be submitted by the Office of Strategic Planning and Institutional Effectiveness to CPE and you will need to work closely with our office to ensure that your proposal meets all external CPE requirements and deadlines.

Should you have any questions or concerns about UK's substantive change policy and its procedures, please do not hesitate to contact our office.

Office of Strategic Planning & Institutional Effectiveness University of Kentucky

Visit the Office of Strategic Planning and Institutional Effectiveness Website

2d. Benchmarks

2d. University of Kentucky Benchmarks/National and Regional Benchmarks Post-Baccalaureate Undergraduate Certificate in Pre-Medicine

University of Kentucky Benchmarks	Post-Baccalaureate Certificate	<u></u>
University of California-Davis	no	
University of Iowa	no	
Michigan State University	no	
University of Missouri-Columbia	no	
University of Arizona	Yes- Graduate Certificate in Professional Studies in Health Sciences	The Univeristy of Arizona is no longer offering the Graduate Certificate in Professional Studies in Health Sciences as part of their pathway program. Instead, they are offering a Master's as part of their pathway program for Medical School.
University of Minnesota-Twin Cities	no	
Ohio State University-Main Campus	no	
University of Michigan-Ann Arbor	no	
University of Wisconsin-Madison	no	
University of North Carolina at Chapel Hill	no	
University of Florida	no	

Regional Benchmarks Post-Baccalaureate Certificate Credit Hours

The following institutions were identified by the Council on Postsecondary Education as having a post-baccalaureate certificate using CIP Code 51.1102

University of Louisville Pre-Medicine

The University of Louisville is no longer offering a certificate granting programs. This change was made due to the federal government implementing changes for federal financial aid eligibility for post-bacs and certificate programs. They chose to phase out their official university issued UofL Pre-medical Certificate. Students will instead receive a certificate of Completion from the U of L School of Medicine and College of Arts & Sciences

n/a

National Benchmarks	Post-Baccalaureate Certificate	Credit Hours
The following institutions were identified by Burning Glass of	as having a post-baccalaureate certificate using CIP Code 51.1102	
Lake Erie College of Osteopathic Medicine	Health Sciences Medical Post Baccalaureate Certificate of Completion	15 credit hours- They are not awarding a formal certificate, but instead awarding a certificate of completion
		en Not
Edward Via College of Osteopathic Medicine	Graduate Certtificate in Pre-Medical Studies	35 credit hours
Bryn Mawr College	Postbaccalaureate Premedical Program	n/a they do not list a specific number of credit hours
Harvard University	postbaccalaureate Premedical Program	30-33 credit hours
Washington University in St Louis	Post-Baccalaureate Premedical Program	18 credit hours
College of Our Lady of the Elms	Postbaccalaureate Premedical Studies Certificate Program	27 credit hours
University of Virginia-Main Campus	Post-Baccalaureate Pre-Medical Program	30 credit hours
George Washington University	Post-Baccalaureate Pre-Medicine Certificate Program	36 credit hours
Goucher College	Post-Baccalaureate Premed Program	8 semester long courses
Johns Hopkins University	Post-Baccalaureate Health Science Intensive Program	10 courses- Students cocurrently earn a Master's of Science in Biotechnology. This is not a true Post-baccalaureate undergraduate certficate.
Charles R Drew University of Medicine and Science	Enhanced Post Baccalaureate Certificate Program in Pre-Medicine	24-36 units
Mills College	Post-Bac Pre-Medical Certificate	36 credit hours
Tufts University	Postbaccalaureate Premedical Program	minimum of 6 courses
Scripps College	Post-Baccalaureate Premedical Program	8 courses
Wright State University-Main Campus	Post-Bac Certificate Program in Pre-Medical Studies	60 semester hours
Brandeis University	Post-Baccalaureate Premedical Program	minimum of 12 credit hours
Creighton University	Post-Baccalaureate Pre-Medicine Certificate	13-month program. Specific curriculum is not listed
Montana State University	Post Baccalaureate Pre-Medical Certificate	36 credit hours. They specifically state that this certificate is considered a graduate program for financial aid
		purposes even though the students are only completing undergraduate coursework.
Mount Holyoke College	Postbaccalaureate Pre-Medical Program	This program is no longer being offered
La Salle University	Post-Baccalaureate Premedical Certificate Program	36 credit hours. students with Baccalaureate degrees in the biological sciences are not eligible.
Hawaii Pacific University	Post-Baccalaureate Certificate In Pre-Medical/Pre-Health Studies	24-56 credit hours
University of Nevada-Reno	Post-Baccalaureate Program, Certificate	32 credit hours
American University	Post-Baccalaureate Premedical Certificate	24 credit hours
Dominican University	Post Baccalaureate Premedical Program	This is not a certificate program. They are calling this a specialized second bachelors degree
Duquesne University	Post-Baccalaureate Pre-Medical and Health Professions Certificate program	24 credit hours
Hofstra University	Premedical Post-Baccalaureate Certificate Program in Natural Science	minimum of 32 credit hours
John Carroll University	Pre-Medical Post-Baccalaureate Program	26-34 credit hours
Notre Dame de Namur University	Post-baccalaureate Premedical Program	Approximately two years worth of coursework
Rockhurst University	Pre-Med Post-Baccalaureate Certificate	47 credit hours. Only a carerr changer program.
University of Connecticut	Medicine and Dental Medicine Post-Baccalaureate Program	30-60 credits
University of Hartford	Post-Baccalaureate Premedical Professions Certificate Program	30 credit hours
Xavier University	Post-Baccalaureate Certificate in Pre-Medical	37 credit hours
Bennington College	Postbaccalaureate Premedical Program	9 courses
Spring Hill College	Post-Baccalaureate Premedical Studies	4 semesters

Source: Labor Insight Jobs (Burning Glass Technologies)

Occupation Analysis - Physician

Diagnoses and treats illness and injuries in patients. May specialize in working with a particular group of people (such as children), or a particular area of health care and treatment (such as cardiology, oncology, surgery, radiology or anesthesiology). Works from a private practice or within a hospital or larger healthcare facility.

Common job titles: Family Practice, Physician, Internal Medicine, Psychiatry General, Psychiatrist

 $\label{eq:constraints} \textbf{Active Selections: Kentucky} \;,\;\; \textbf{Physician}$

Job Metrics

Job Postings Last 12 Months

Very High Demand 5,474

Projected Growth 10 Years

+10.3%

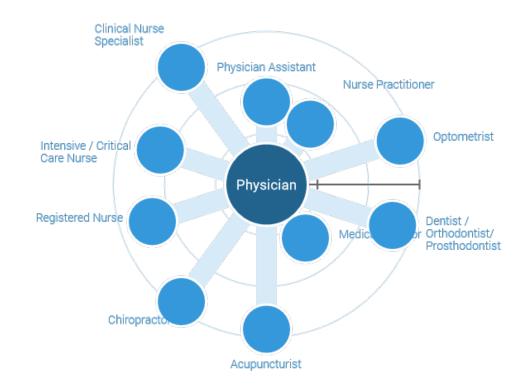
Time To Fill

Similar to Fill
57 days

Location Quotient



Related Jobs



Source: Labor Insight Jobs (Burning Glass Technologies)

Occupation Analysis - Physician

Diagnoses and treats illness and injuries in patients. May specialize in working with a particular group of people (such as children), or a particular area of health care and treatment (such as cardiology, oncology, surgery, radiology or anesthesiology). Works from a private practice or within a hospital or larger healthcare facility.

Common job titles: Family Practice, Physician, Internal Medicine, Psychiatry General, Psychiatrist

Active Selections
Kentucky, Physician

Job Metrics

Job Postings Last 12 Months

Very High Demand

Projected Growth 10 Years

+10.3%

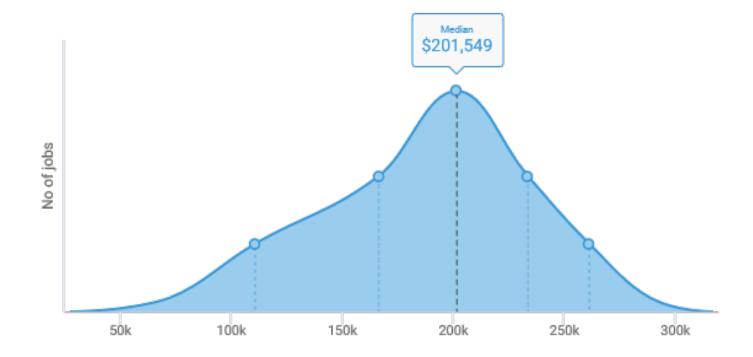
Time To Fill

Similar to Fill
57 days

Location Quotient

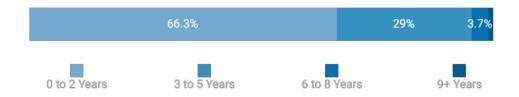


Salary Overall



Job Qualifications

Years of Experience



Education Level



Frequency Requested

Certification	Occasionally	Sometimes	Often
Board Certified/Board Eligible	0	•	0
Advanced Cardiac Life Support (ACLS) Certification	•	0	0

Top Skills

Specialized Skills

Internal Medicine
Family Medicine
Surgery
Primary Care
Psychiatry
Patient Care
Practicing Medicine

Baseline Skills

Writing
Research
Planning
Teamwork / Collaboration
Microsoft Excel
Communication Skills
English

Source: Labor Insight Jobs (Burning Glass Technologies)

Occupation Analysis - Physician

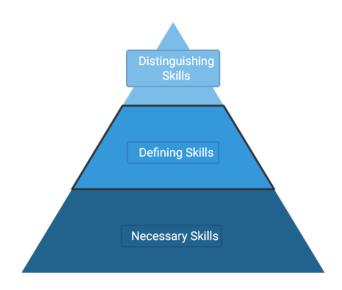
Diagnoses and treats illness and injuries in patients. May specialize in working with a particular group of people (such as children), or a particular area of health care and treatment (such as cardiology, oncology, surgery, radiology or anesthesiology). Works from a private practice or within a hospital or larger healthcare facility.

Common job titles: Family Practice, Physician, Internal Medicine, Psychiatry General, Psychiatrist

Active Selections

Kentucky, Physician

Occupational Skills for Physician



An occupation's Defining skills represent the day-to-day tasks and responsibilities of the job. An employee needs these skills to qualify for and perform successfully in this occupation.

Skill	Salary Premium	Job Postings Requesting Last 12 months	Projected Growth 2 Years	Location Quotient
Internal Medicine		868	-0.2%	1.3 ^
Family Medicine		809	+8.4%	1.3 ^
Surgery		612	+0.9%	1.3 ^
Primary Care		586	+10.4%	1.2
Psychiatry		465	+4.8%	0.9
Pediatrics		274	+1.5%	0.8 💙

Learn more about Occupational Skill Categories

Top Requested Skills for Physician

Skill	Skill Type	Occupational Skills Category	Salary Premium	Job Postings Requesting Last 12 months	Projected Growth 2 Years	Location Quotient
Internal Medicine	Specialized	Defining		868	-0.2 %	1.3 ^
Family Medicine	Specialized	Defining		809	+8.4 %	1.3 ^
Surgery	Specialized	Defining		612	+0.9 %	1.3 ^
Primary Care	Specialized	Defining		586	+10.4 %	1.2
Psychiatry	Specialized	Defining		465	+4.8 %	0.9
Patient Care	Specialized	Necessary		435	-3.6 %	0.8 💙
Practicing Medicine	Specialized	Distinguishing		358	-16.3 %	1.2
Emergency Medicine	Specialized	Distinguishing		355	+7.7 %	1.5 ^
Neurology	Specialized	Distinguishing		345	+3.9 %	1.8 🙈
Writing	Baseline	NA		296		1.7 🙈
Obstetrics/Gynecol ogy	Specialized	Distinguishing		282	+1.5 %	1.1 —
Pediatrics	Specialized	Defining		274	+1.5 %	0.8 💙
Research	Baseline	NA		253		0.8 💙
Osteopathic Medicine	Specialized	NA		242	-14.9 %	1.4 ^
Teaching	Specialized	NA		241	-5.0 %	0.8 💙
Advanced Cardiac Life Support (ACLS)	Specialized	NA		233	+7.5 %	1.3 ^
Cardiology	Specialized	NA		230	+3.8 %	2.0 🙈
Scheduling	Specialized	NA		223	+3.4 %	1.3 ^
Osteopathy	Specialized	NA		212	-46.3 %	1.3 ^
Anesthesiology	Specialized	NA		209	-3.6 %	0.9
Obstetrics	Specialized	Distinguishing	✓	199	+5.5 %	1.1 -
Urology	Specialized	NA		199	+3.9 %	1.7 🙈
Primary Care Physician	Specialized	NA	✓	196	+11.3 %	1.4 ^
Gastroenterology	Specialized	NA		194	+9.5 %	1.6 🙈
Radiology	Specialized	NA		190	+5.6 %	1.4 ^
Planning	Baseline	NA		177		2.2 🙈
Gynecology	Specialized	Distinguishing		173	+6.1 %	1.1 —
X-Rays	Specialized	NA		153	+4.8 %	1.5 ^
Teamwork / Collaboration	Baseline	NA		152		0.8 💙
Microsoft Excel	Software and Programming	NA		149		1.3 ^
Medical Coding	Specialized	NA		143	+7.2 %	1.2 -
Mental Health	Specialized	NA		141	+3.2 %	0.8 💙

				1	1	
Communication Skills	Baseline	NA		141		0.7 💙
Critical Care	Specialized	NA		134	+7.6 %	1.2 -
General Surgery	Specialized	NA		128	+6.5 %	1.5 ^
English	Baseline	NA		128		1.1 -
Critical Thinking	Baseline	NA		127		1.3 ^
Mentoring	Baseline	NA		125		1.2 -
Social Services	Specialized	NA		122	+19.6 %	1.1 -
Orthopedic Surgery	Specialized	NA		120	-0.4 %	1.2 -
Patient Treatment	Specialized	NA		113	+7.4 %	1.1 -
Adult Psychiatry	Specialized	NA		112	+16.6 %	1.0
Orthopedics	Specialized	NA		109	+9.7 %	1.2
Urgent Care	Specialized	Distinguishing		102	+18.8 %	0.5 💝
Life Support	Specialized	NA		86	-4.6 %	1.3 ^
Oncology	Specialized	NA	✓	84	+3.6 %	0.9
Injections	Specialized	NA		82	+11.6 %	1.4 ^
Treatment Planning	Specialized	NA		79	+4.5 %	0.7 💙
Geriatrics	Specialized	NA		78	-2.2 %	1.1 -
Pain Management	Specialized	NA		75	+8.0 %	1.3 ^

3a. Examples of Co-Curricular Activities

Section 3a. Co-curricular Activities

A Pre-Health Professions Professional Advisor will advise students in the program.

In addition to the coursework listed in 5b, the program will include a variety of co-curricular activities:

- Workshops on the medical school application process and being a competitive applicant
 - o Beginning a Pre-Health Professions Track
 - o MCAT Preparation
 - o MCAT Practice Exam
 - o Pre-Medicine Q&A
 - o Are You Ready? Having a Competitive Profile?
 - o Shadowing, Research & Internships
- Mock interviews
- Lectures on ethics in healthcare
- Research opportunities
- Job shadowing opportunities
- Volunteer opportunities Shoulder-to-Shoulder, etc

3b. Faculty of Record

3b. Faculty of Record

The departments contributing to the interdisciplinary certificate (Biology, Chemistry, Physics and Astronomy, Statistics, Psychology, Sociology, and Molecular and Cellular Biochemistry) will each choose a faculty representative to serve on the faculty of record. They will have equal voting rights and control over changes and/or additions to the curriculum. The certificate director will be a faculty member from the College of Arts and Sciences and appointed by the Dean of College of Arts and Sciences in consultation with the faculty of record. The certificate director will be appointed for a three-year term, upon University Senate approval of the certificate. The College of Arts and Sciences pre-health professions advisors will serve as non-voting ex officio members of the faculty of record. A department offering a course in the Post-Baccalaureate Undergraduate Certificate in Pre-Medicine curriculum will automatically admit a faculty representative from that department, to the faculty of record with full voting rights. Failure to attend 3 consecutive faculty of record meetings will result in forfeiture of voting privileges for that departments' faculty representative in the faculty of record.

Dear Education Policy Committee,

As Department Chair/Program Director of course(s) being offered in the Post-Baccalaureate Undergraduate Certificate in Pre-Medicine, I agree that the department will choose a representative to serve on the faculty of record. The faculty of record has equal voting rights and control over changes and/or additions to the curriculum.

Biology

Chemistry

Physics and Astronomy

Statistics

Psychology

Sociology

Molecular and Cellular Biology

Vincent Cassone

Mark Meier

Al Shapere

Arny Stromberg

Greg Smith

Claire Renzetti

Rebecca Dutch

5b and 5c. Curriculum

Post-Baccalaureate Undergraduate Certificate in Pre-Medicine Curriculum

1. To earn the certificate, students must complete the 51 credit hours of the Post-Baccalaureate Undergraduate Certificate in Pre-Medicine Curriculum (from the list below). Students must complete a minimum of 15 credit hours of certificate coursework after they are admitted into the certificate program. At least 12 credit hours of the 15 credit hours must be at the 200-level or above, and at least 6 credit hours must be from the 300-level or above.

A minimum of 15 credit hours of the certificate coursework must NOT have been previously successfully completed by the student.

Students may count previously earned coursework towards the certificate curriculum (grades earned on prior coursework, even if taken at the University of Kentucky, will not count towards the certificate GPA.)

- 2. Students must complete a breadth component where at least 3 credit hours of coursework must be taken from a second discipline using a different course prefix.
- 3. All coursework for the certificate must be taken for a letter grade and students must earn at least a B in all coursework taken after admission to the certificate program in order to receive credit.
- 4. No more than 9 credit hours taken for the certificate can be used to satisfy the requirements for a second bachelor's degree, a minor, or another certificate at the University of Kentucky

Core Courses

Introduction to Psychology	4 credit hours
General Chemistry I	4 credit hours
General Chemistry I Laboratory	1 credit hour
General College Chemistry II	3 credit hours
General Chemistry II Laboratory	2 credit hours
Introductory Biology I	3 credit hours
Laboratory for Introductory Biology I	1 credit hour
Principles of Biology II	3 credit hours
Organic Chemistry I	3 credit hours
Organic Chemistry Laboratory I	1 credit hour
Organic Chemistry II	3 credit hours
Organic Chemistry Laboratory II	1 credit hour
General Physics	5 credit hours
General Physics	5 credit hours
Statistical Methods and Motivations	3 credit hours
Medicine, Health, and Society	3 credit hours
Fundamentals of Biochemistry	3 credit hours
	General Chemistry I General Chemistry I Laboratory General College Chemistry II General Chemistry II Laboratory Introductory Biology I Laboratory for Introductory Biology I Principles of Biology II Organic Chemistry I Organic Chemistry Laboratory I Organic Chemistry Laboratory II General Physics General Physics Statistical Methods and Motivations Medicine, Health, and Society

Elective Requirement 3 credit hours

Students choose ONE elective course based on specific course requirements for the medical school they are applying to. Below are suggested electives for students applying to medical school in Kentucky.

College of Medicine, University of Kentucky - BIO 315
School of Medicine, University of Louisville - BIO 304, BIO 350
Kentucky College of Osteopathic Medicine - BIO 304, BIO 315, BIO 350

Sample #1: Student enters program with no prior pre-med coursework.

Spring: CHE 105 and CHE 111, BIO 148 and BIO 155, PSY 100, STA 296, co-curricular activities (16 cr hrs)

Summer: CHE 107 and CHE 113, PHY 211 (10 cr hrs)

Fall: BIO 152, CHE 230, CHE 231, PHY 213, SOC 255, co-curricular activities, begin MCAT preparation (15 cr hrs)

Spring: CHE 232, CHE 233, BCH 401G, 300+ elective MCAT preparation, practice MCAT, co-curricular activities (10 cr hrs)

MCAT taken at end of Spring semester.

Sample #2: Student enters program having completed the introductory biology, chemistry and psychology sequence of courses

Fall: CHE 230, CHE 231, PHY 211, STA 296, SOC 255, co-curricular activities, begin MCAT preparation (15 cr hrs)

Spring: CHE 232, CHE 233, BCH 401G, 300+ elective, PHY 213 MCAT preparation, practice MCAT, co-curricular activities (15 cr hrs)

MCAT taken at end of Spring semester.

6. Assessment

6. Post-Baccalaureate Undergraduate Certificate in Pre-Medicine ASSESSMENT PLAN- February 2019

Introduction:

This assessment plan is for the Post-Baccalaureate Undergraduate Certificate in Pre-Medicine offered in the College of Arts and Sciences.

Mission Statement:

The Post-Baccalaureate Undergraduate Certificate in Pre-Medicine is committed to preparing students for the Medical College Admission Test (MCAT). By taking coursework across disciplines students will develop the knowledge and skills required for success on the medical college admission test (MCAT) and in the medical profession.

Basic Assessment Approach:

All outcomes will be assessed within a three-year cycle. Please see attached curriculum map and assessment instruments.

Assessment Oversight and Resources:

The certificate director will also serve as the assessment coordinator. It is the responsibility of the assessment coordinator to monitor the activities of assessment that occur in the certificate program. The assessment coordinator will convene an assessment committee annual for the assessment of student artifacts, and will assemble the results into an annual assessment report, which will be communicated to the faculty of record and delivered to the college. The certificate director will discuss the results of the assessment with the faculty of record on an annual basis.

Program-Level Student Learning Outcomes:

- 1) Demonstrate an understanding of chemical and physical scientific concepts
- 2) Apply biological and biochemical foundations of knowledge to scientific concepts
- 3) Identify psychological, social and biological foundations of behavior that affect an individual's perception of the world, as well as their health and behavior.
- 4) Demonstrate critical and analytical thinking, and draw conclusions from skills and practices connected to the MCAT (Medical College Admission Test). (AACU Critical Thinking outcome)

Curriculum Map for Post-Baccalaureate Undergraduate Certificate in Pre-Medicine:

(1=Introduce; 2=Reinforce; 3=Emphasize)

Course	SLO #1:	SLO # 2:	SLO # 3:	SLO #4
Course	chemical and	biological and	psychological,	Think
	physical	biochemical	social and	critically and
				•
	scientific	foundations	biological	analytically
	concepts		foundations	
			of behavior	
PSY 100			1	1
CHE 105	1	1		1
CHE 107	2	2		2
CHE 111	2	2		2
CHE 113	2	2		2
BIO 148	1	1	1	1
BIO 152	2	2	2	2
BIO 155	3	3	3	3
CHE 230	2	2	2	3
CHE 231	2	2	2	3
CHE 232	2	2	2	3
CHE 233	3	2	2	3
PHY 211	1	1	1	1
PHY 213	2	2	2	2
STA 296	1	1	1	1
SOC/HSP 255			2	2
BCH 401G	3	3	3	3

Assessment Measures and Methods:

Direct Methods:

Assignments will be collected in all courses offered in the curriculum. The certificate director will collect the assignments and share with the assessment committee by April 30th every year. The Assessment Coordinator will convene a committee to review the targeted Student Learning Outcomes for that year. Members of the assessment committee will be drawn from the faculty of record.

All outcomes are assessed using rubrics created by the certificate program faculty for the targeted Student Learning Outcome. Students must receive a 3 or 2 on the assignment to consider the learning outcome met.

Data Collection and Review:

Projects and assignments from the courses offered in the curriculum will be collected and assessed annually, according to the three-year assessment cycle. The certificate director will convene an assessment committee consisting of 3-4 faculty members who teach courses in the program; they will evaluate student learning outcomes as demonstrated by student artifacts, using a rubric created by the

committee to assess the content material of all SLO's. The certificate director will be responsible for collating the assessment data and writing the annual assessment report, in collaboration with the assessment committee. The annual report will be shared with the faculty of record, and improvements or adjustments to the curriculum will be discussed annually, after the results of the report have been discussed.

Assessment Cycle and Data Analysis:

Assessment of student learning takes place throughout the certificate program and occurs in all courses. Artifacts of course assessment are maintained by the faculty teaching those courses for one year after the completion of the course. Program-level assessment data are gathered strategically according to the assessment plan. The certificate program will follow a three-year assessment cycle; one or two student learning outcomes will be assessed each year according to this cycle.

Post-Baccalaureate Undergraduate Certificate in Pre-Medicine 2019-2022 SLO Reporting Cycle					
Outcome Number	Stated Student Learning Outcome	Cycle	Academic Year	Reporting Year	
Outcome 1:	Demonstrate an understanding of chemical and physical scientific concepts (Rubric to be created by certificate program faculty)	Year 1	2019-20	October 31, 2020	
Outcome 2:	Apply biological and biochemical foundations of knowledge to scientific concepts (Rubric to be created by certificate program faculty)	Year 2	2020-21	October 31, 2021	
Outcome 3:	Identify psychological, social and biological foundations of behavior that affect an individual's perception of the world, as well as their health and behavior. (Rubric to be created by certificate program faculty)	Year 2	2020-21	October 31, 2021	
Outcome 4:	Demonstrate critical and analytical thinking, and draw conclusions from skills and practices connected to the MCAT (Medical College Admission Test)	Year 3	2021-22	October 31, 2022	

Teaching Effectiveness:

All instructors will use the university teacher course evaluation (TCE) process to be evaluated by their students each semester. Each instructor will be asked to provide a self-reflection which will include areas of improvement during the biannual faculty merit evaluation report process. The chair will review the TCE results with instructors and provide feedback to the instructors on an annual basis, and discuss self-reflection on a biannual basis.

Post-Graduate Success:

Our program will look at data provided by the university alumni survey. The certificate program will attempt to stay in contact with former students through an alumni mailing list, to be initiated at the inception of the certificate program. Periodic surveys of alumni will be taken through this venue.

We will tracking student post-graduate success by

- Tracking student retention and completion of the program (greater than 85% retention/completion)
- Tracking student performance on the MCAT, including section sub scores (Greater than or equal to national averages)
- Tracking student success through acceptance into medical school (at least 75% acceptance into any medical school program)

Letters

From: Brady, Christian
To: Harmon, Camille

Subject: Re: Endorsement for the Post-baccalaureate Undergraduate Certificate in Pre-Medicine

Date: Tuesday, September 29, 2020 8:05:06 AM

Dear Camille

I do indeed support this proposal. Let me know if you would like Teresa to write up a more formal letter with my signature.

Yours,

Cb

--

Christian M M Brady, DPhil (Oxon.)

christian.brady@uky.edu

Interim Dean

College of Arts & Sciences

Professor of Ancient Hebrew and Jewish Literature

Department of Modern & Classical Languages, Literatures & Cultures

Teresa Smith

Executive Assistant | Office of the Dean | College of Arts & Sciences

O: 859-257-1375

teresa.smith@uky.edu

From: "Harmon, Camille" <camille.harmon@uky.edu>

Date: Monday, September 28, 2020 at 10:39 AM **To:** Christian Brady < Christian. Brady@uky.edu>

Subject: Endorsement for the Post-baccalaureate Undergraduate Certificate in Pre-Medicine

Good Morning Dean Brady,

I believe Ruth Beattie has already spoken to you about the Post-baccalaureate Undergraduate Certificate in Pre-Medicine that we have been working on for a few years. I am getting ready to submit the updated proposal to UGC.

The updated proposal includes a letter that I wrote on behalf of Mark on August 26th (page 34 in the proposal). I am attaching his approval of the letter for your reference. In an effort to not give UGC a reason to delay the proposal, Ruth and I agreed that it would be best to have you endorse the college approval of the certificate.

Rationale for proposal: The Post-Baccalaureate Undergraduate Certificate in Pre-Medicine is a cross-disciplinary certificate program that better prepares students to enter Medical School. The Post-Baccalaureate Undergraduate Certificate in Pre-Medicine will be of interest to students who have earned a bachelor's degree and wish to change their career path to medicine. By taking coursework across disciplines, students will develop the knowledge and skills required for success on the medical college admission test (MCAT) and in the medical profession.

If you approve, would you mind responding to this email indicating your support? Please let me know if you have any questions, or if I can provide any additional information.

Thank you,

Camille Harmon
Curriculum and Program Coordinator
Dean's Office
College of Arts and Sciences
University of Kentucky
202 Patterson Office Tower
859-257-3966

August 26, 2020

Dear Undergraduate Council,

I am pleased to express the College's strongest support of the proposed Post-baccalaureate Undergraduate Certificate in Pre-Medicine. The Post-baccalaureate Undergraduate Certificate in Pre-Medicine will prepare students who have earned a bachelor's degree and wish to change their career path to medicine. The certificate will provide students with an opportunity to develop the knowledge and skills required for success on the medical college admission test (MCAT) and in the medical profession. The enclosed proposal has been carefully vetted by the college's Education Policy Committee in close consultation with the Dean's office.

The proposed Post-baccalaureate Undergraduate Certificate in Pre-Medicine will utilize the strengths of the outstanding faculty in the College of Arts and Sciences and the College of Medicine.

The experience gained through the Post-baccalaureate Undergraduate Certificate in Pre-Medicine will augment students' career and professional opportunities by providing a high quality accelerated pre-medical preparation for post-baccalaureate students wishing to enter the competitive medical school admissions process. Students enrolled in the post-baccalaureate under graduate certificate will have access to workshops on the medical school application process, mock interviews, lectures on ethics in healthcare, research, and job shadowing opportunities. A Post-baccalaureate Undergraduate Certificate in Pre-Medicine will attract a broad spectrum of interest from recent graduates and non-traditional students who have earned a bachelor's degree and wish to change their career path, but who have not yet completed the entire pre-medical curriculum.

In terms of additional resources required to offer the post-baccalaureate undergraduate certificate, no additional faculty or staff will be needed. The College of Arts and Sciences is committed to covering the administrative stipend for the director of the certificate until the certificate is able to generate enough money to cover the cost.

The College of Arts and Sciences fully supports the proposed Post-baccalaureate Undergraduate Certificate in Pre-Medicine.

Sincerely,

Mark Lawrence Kornbluh

Dean

March 5, 2019

Dear Undergraduate Council,

On behalf of the faculty of the College of Arts and Sciences, the Education Policy Committee discussed and approved the proposed Post-baccalaureate Undergraduate Certificate in Pre-Medicine 9:0:0 on Tuesday, March 5, 2019.

Sincerely,

Scott Hutson

Chair, Education Policy Committee

from P Hotels



College of Medicine

Rebecca Ellis Dutch, Ph.D.
Department of Molecular and
Cellular Biochemistry
BBSRB B143
Lexington, KY 40536-0509
Tel: (859) 323-1795
E-mail:rdutc2@uky.edu

January 26, 2018

Dear Dr. Beattie,

I am in my capacity as Associate Dean for Biomedical Education for the College of Medicine to support the proposal for creation of a post-bac programs aimed at preparing students for medical and dental school. This should be a very helpful program for students interested in these programs whose undergraduate training did not include the required prerequisite courses.

I think it is important to note that your proposed program does not target the same set of students as the Masters in Medical Science Master's program (MS/MS) that is housed in the College of Medicine. That program focuses on students who have completed undergraduate degrees in biomedically-related areas, but who wish to pursue graduate level courses and master's research to enhance their training, provide new career opportunities, and, in some cases, improve their ability to gain entrance into professional school.

We look forward to working with you on this new program!

Sincerely,

Rebecca Dutch

Professor and Interim Chair, Molecular and Cellular Biochemistry

Associate Dean for Biomedical Education

Rebecca J. Diter

February 18, 2019



University of Kentucky College of Arts and Sciences

Department of Chemistry 161 Jacobs Science Building Lexington, KY 40506 P: 859-257-7080 https://chem.as.uky.edu/

Dr. Ruth Beattie Associate Dean for Advising College of Arts and Sciences University of Kentucky Lexington, KY 40506

Dear Ruth,

I am happy to report that the Department of Chemistry endorses the *Post-Baccalaureate Undergraduate Certificate in Medicine* Program. This proposal was discussed and endorsed by the Chemistry faculty in a faculty meeting held on November 10, 2016.

We understand that a number of chemistry courses (general chemistry and organic chemistry) are required by this program, and we will ensure that there are sufficient seats to accommodate students in the Certificate program.

Please let me know if there is anything else we need to do to help with the approval process. We look forward to this program becoming formally established.

Sincerely,

Mark Meier

Chair, Department of Chemistry



August 26, 2020

Dear Education Policy Committee,

The Department of Biology discussed and approved (30 in favor) the inclusion of BIO 148, BIO 152, and BIO 155 on October 16, 2016as major core courses in the Post-Baccalaureate Undergraduate Certificate in Pre-Medicine.

Sincerely Yours,

Vincent M. Cassone, Ph.D.
Gill Eminent Professor of Arts & Sciences
Chair, Department of Biology
Director, HHMI STEMCats Program



University of Kentucky

College of Arts and Sciences
Department of Physics and Astronomy

177 Chemistry-Physics Building Lexington, KY 40506 phone: 859-257-6101 shapere@pa.uky.edu

19 February 2019

Prof. Ruth E. Beattie Associate Dean for Advising College of Arts and Sciences University of Kentucky

Dear Prof. Beattie,

The Department of Physics and Astronomy supports the proposed Post-Baccalaureate Undergraduate Certificate in Medicine.

Up to 10 seats will be made available per year in PHY 211 and PHY 213 to accommodate the certificate students.

Sincerely,

Alfred D. Shapere

Chair, Department of Physics and Astronomy



Department of Soci●logy 1501 Patterson Office Tower University of Kentucky Lexington, KY 40506-0027

February 19, 2019

Dr. Ruth E. Beattie Associate Dean for Advising College of Arts & Sciences 202 POT University of Kentucky Lexington, KY. 40506

Dear Ruth,

I am delighted to write that at our department meeting on December 12, 2016, the Sociology faculty voted unanimously to support the Post-baccalaureate Undergraduate Certificate in Medicine (15-0). The department will ensure that seats are available in SOC 255 and any other required Sociology courses for students enrolled in the program.

Thank you for inviting us to participate in this important program.

Sincerely,

Claire M. Renzetti, Ph. D.

Professor and Chair of Sociology

Judi Conway Patton Endowed Chair for Studies of Violence Against Women



University of Kentucky College of Arts and Sciences

311 Multidisciplinary Science Building Lexington, KY 40536-0082 P: 859-257-6115 https://stat.as.uky.edu

Dear Ruth,

Sincerely

As Department Chair, this letter confirms that the Statistics faculty were consulted and approved (12-0) the inclusion of STA 296 on 12/5/18 as electives in the proposed Post-baccalaureate Undergraduate Certificate in Medicine.

Dr. Arnold J. Stromberg

Professor and Chair





College of Medicine

Rebecca Ellis Dutch, Ph.D. Department of Molecular and Cellular Biochemistry BBSRB B143 Lexington, KY 40536-0509 Tel: (859) 323-1795

E-mail:rdutc2@uky.edu

January 26, 2018

Dear Dr. Beattie,

I am writing in my capacity as Interim Chair of Molecular and Cellular Biochemistry to support the creation of a new post-bac program aimed at providing career changers the courses they need to apply to medical or dental school, and to affirm that students in this program will have access to BCH401G. We offer this two sections of this course in both fall and spring semesters, and have sufficient capacity for the students in your new program.

We look forward to working with you on this new program!

Sincerely,

Rebecca Dutch

Professor and Interim Chair, Molecular and Cellular Biochemistry

Associate Dean for Biomedical Education

Rebecca J. Diter



College of Arts and Sciences Department of Psychology 125 Kastle Hall Lexington, KY 40506-0044 859 257-9640 fax 859 323-1979 www.uky.edu

Ruth Beattie, Associate Dean College of Arts & Sciences Patterson Office Tower University of Kentucky

January 23, 2018

Dear Ruth,

Psychology supports the Post-Baccalaureate Pre-Medical and Pre-Dental Undergraduate Certificate program. Students enrolled in the program are welcome to enroll in PSY 100; we can readily accommodate them.

Sincerely,

Dr. Robert F. Lorch, Jr.

Professor & Chair

Department of Psychology University of Kentucky

Robert & Aut, Jr.