

NEW UNDERGRADUATE MINOR / CHANGE UNDERGRADUATE MINOR FORM

Please fill out Section I.

**SECTION I: GENERAL INFORMATION**

Program: College of Arts and Sciences

Minor: Microbiology

College: A&S

Department: A&S

Bulletin PP: N/A

CIP Code: 26.0502

Accrediting Agency (if applicable): N/A

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OFFICE OF THE  
SENATE COUNCIL

⇒ Fill out Section II if you are proposing a NEW minor.

**Section II: New Minor**

Minor Prerequisites (list course prefix, number and title): \_\_\_\_\_

Minor Requirements (list course prefix, number and title): BIO 308 - General Microbiology (3)  
BIO 309 - Microbiology Laboratory (2)  
BCH 401G Biochemistry (3) or BIO 315 Cell Biology (4) or  
CHE 550 (3) or CHE 552 (3)

One course from the following:

BIO /MI 495G Bacterial Pathogenesis (3)  
BIO/MI 494G Immunobiology (3)  
BIO/MI 582 Virology (3)

If more than one course is taken from this list, the additional course(s) would count as an elective for the minor.

Minor Electives (list course prefix, number and title): 7 or 8 hrs of electives (to make a total of 19 hrs for the minor)  
from:  
CPH 310 Disease Detectives: Epidemiology in Action (3)  
BIO 397 Research in Microbiology (up to 3 credits)  
BIO427 Seminar in Microbiology (1 credit)  
PPA 500 Physiology of Plant Health and Disease (3)  
FSC 530 Food Microbiology (5)  
BIO/ENT 561 Insects Affecting Health (3)  
PLS 566 Soil Microbiology (3)  
PLS 567 Soil Microbiology Laboratory (1)  
Other microbiology-related courses at the 300-level or above,  
as approved by the DUS for the Microbiology Minor.

## NEW UNDERGRADUATE MINOR / CHANGE UNDERGRADUATE MINOR FORM

High achieving students may take advanced level coursework from: (permission of the Dean of the Graduate School is required to register for these courses):

FSC 632 Food Borne Diseases ( 3)

PPA 650 Fungal Biology (3)

PPA 670 Plant Bacteriology (3)

PPA 671 Advanced Plant Virology (3)

Total Hours Required: 19

Rationale for Proposal: This is an interdisciplinary minor collaboratively developed by faculty from the College of Agriculture, Food and Environment, College of Arts and Sciences, College of Health Sciences, College of Medicine, and the College of Public Health.

### Rationale

The University of Kentucky has outstanding microbiologists in multiple colleges across campus, and the development of an interdisciplinary Microbiology minor will utilize these strengths to create an important new program. Microbiology is unique among the basic sciences in that it is a profession as well as a scientific discipline. There is not a food producing company, a cheese making operation, a hospital, a brewery, a water purification plant, a department of public health, or a pharmaceutical company that is not dependent on a microbiologist or microbiology for their existence. Therefore, a Microbiology minor would open up a number of opportunities for students beyond their immediate disciplines. The additional courses created for this minor will provide cutting edge scientific training, drawing on the expertise of faculty from across the campus. In those Universities around the country that have Microbiology majors, they are generally well-subscribed and extremely popular. The Microbiology minor would fit well with numerous majors and consequently might have broad appeal among the students. In addition, it is likely to be beneficial in attracting new students. Finally, establishment of a Microbiology minor is a logical step towards the potential development of an undergraduate Microbiology major.

### Goal

The goal of the Minor in Microbiology is to provide training in microbiology for students who wish to pursue a career in microbiology. We anticipate this minor serving a wide range of students in CAFE, biology, health sciences, medicine and public health.

### Program Student Learning Outcomes:

By the end of the program, students should be able to:

1. Explain the diversity of microorganisms, with specific emphasis on bacteria, viruses and eukaryotic parasites.
2. Demonstrate an understanding of fundamental microbiological concepts.
3. Demonstrate proficiency in microbiological laboratory skills
4. Critically evaluate microbiological experimental data.
5. Communicate the fundamental concepts of microbiology, both in written and in oral

## NEW UNDERGRADUATE MINOR / CHANGE UNDERGRADUATE MINOR FORM

format.

### Administration and Faculty

This is an interdisciplinary minor that will be housed in the College of Arts and Sciences. The day-to-day operations of the program will be overseen by two Co-directors, Dr Tom Roszman (College of Medicine, Department of Microbiology and Immunology) and Dr. Ruth E Beattie (College of Arts and Sciences, Department of Biology). The Co-directors are appointed by the Dean of the College of Arts and Sciences.

An Advisory Board will oversee the program and will consist of the two Co-directors and one representative from each of the following colleges: CAFE, A&S, Health Sciences, Medicine, and Public Health.

The Advisory Board will be responsible for:

- Regular assessment of the program
- Identifying needed modifications and improvements to the program
- Ensuring, through regular review of curriculum, that course offerings are attuned to professional needs in the field.
- Providing input in new course development.

The Faculty of Record will be all the faculty teaching in the program.

### Student Advising

Students will be advised by the Co-directors of the program.

### Program Assessment

In addition to the on-going reviews listed in the Advisory Board responsibilities, program assessment will include the following:

- Surveying graduating seniors
- Evaluation of student work (Laboratory reports, scientific papers, oral reports)
- Tracking student retention and graduation rates
- Tracking student success through graduate employment in the field of microbiology
- Tracking student success through acceptance in graduate school / professional programs
- Tracking the number of undergraduate research presentations/ publications in the field of microbiology
- Tracking the number of undergraduate honors, and academic awards

Letters of support (attached) for the program have been received from :

Department of Biology

Department of Chemistry

Department of Entomology

Department of Plant and Soil Sciences

Department of Plant Pathology

**NEW UNDERGRADUATE MINOR / CHANGE UNDERGRADUATE MINOR FORM**

College of Agriculture, Food and Environment  
College of Health Sciences  
Department of Epidemiology  
Medical Laboratory Sciences program  
College of Public Health  
College of Medicine

New/Changed Courses

The minor involves the development of three new courses: (course proposals have all been submitted to eCats)

BIO 309 Microbiology Laboratory (2)  
BIO 397 Research in Microbiology (1-3)  
BIO 427 Seminar in Microbiology (1)

The minor involves one course change (proposal submitted to eCats)  
- Add MI crosslisting to BIO 582 (3) - approved by Senate in Spring 2015

⇒ Fill out Section III if you are *CHANGING* requirements for an existing minor.

**Section III: Change in Minor Requirements**

<u>Current</u>	<u>Proposed</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Current Total Hours: \_\_\_\_\_

Proposed Total Hours: \_\_\_\_\_

Rationale for Proposal: \_\_\_\_\_

Will this program be printed in the Bulletin?

Yes  No

## Ellis, Janie

---

**From:** Beattie, Ruth E  
**Sent:** Wednesday, April 01, 2015 3:43 PM  
**To:** Ellis, Janie  
**Subject:** RE: Minor Microbiology  
**Attachments:** Microminor replacement pages.pdf

Janie,

Attached is a pdf of the revised first four pages of the microbiology minor proposal document. All references to the cross-listed MI courses have been removed.

REB

Ruth E. Beattie  
Associate Dean for Advising/ College of Arts and Sciences/ 325 POT  
Director of Undergraduate Studies/ Biology/ 101 BS  
Professor of Biology  
Dept. of Biology  
University of Kentucky  
Lexington, KY 40506  
E-mail: [rebeat1@uky.edu](mailto:rebeat1@uky.edu)  
Telephone: 859-257-7647

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**From:** Ellis, Janie  
**Sent:** Wednesday, April 01, 2015 12:37 PM  
**To:** Beattie, Ruth E  
**Subject:** Minor Microbiology

Ruth, I have reviewed the above proposal.

BIO/MI 582 was withdrawn and is listed on the proposal as a minor requirement.

I'm not certain what your intention is/was with MI 395/BIO 397 and MI 425/BIO 427. Are you saying they are crossed? Are they separate courses?

Please advise.

**Janie Ellis**  
Staff Support  
Senate Council Office  
257-5871  
[Janie.ellis@uky.edu](mailto:Janie.ellis@uky.edu)

## Ellis, Janie

---

**From:** Ett, Joanie M  
**Sent:** Wednesday, April 01, 2015 3:19 PM  
**To:** Rice, Jeffrey; Carr, Jason P; McNely, Brian J  
**Cc:** DeBolt, Seth; Grabau, Larry; Ellis, Janie  
**Subject:** RE: WRD 225 review

Thanks for the quick response! I'll send the course forward to Senate Council.

Joanie Ett-Mims  
Undergraduate Education  
University of Kentucky  
113 Bowman Hall  
Lexington, KY 40506-0059  
(859)257-9039 Phone  
(859)257-1455 Fax  
[joanie.ett-mims@uky.edu](mailto:joanie.ett-mims@uky.edu)

-----Original Message-----

**From:** Rice, Jeffrey  
**Sent:** Wednesday, April 01, 2015 11:11 AM  
**To:** Ett, Joanie M; Carr, Jason P; McNely, Brian J  
**Cc:** DeBolt, Seth; Grabau, Larry; Ellis, Janie  
**Subject:** Re: WRD 225 review

It's attached.

Jeff

On 4/1/15 11:05 AM, Ett, Joanie M wrote:

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Professor  
Interim Chair  
Martha B. Reynolds Professor in Writing, Rhetoric and Digital Studies University of Kentucky Co-director, Wired  
<http://sweb.uky.edu/~jri236/> <http://www.ydog.net> <http://makeminepotato.ydog.net> Lexington, KY 40506-0027

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MAR 31 2015

OFFICE OF THE  
SENATE COUNCIL

College of Arts and Sciences

Office of the Dean

202 Patterson Office Tower  
Lexington, KY 40506-0027

859 257-8354

fax 859 323-1073

February 5, 2015

Dear Undergraduate Council:

I am pleased to express the College's strongest support of the proposed minor in Microbiology. The College of Arts and Sciences is excited for the opportunity to collaborate with the College of Agriculture, Food and Environment, College of Health Sciences, College of Medicine, and the College of Public Health. The Microbiology minor would open up a number of opportunities for students beyond their immediate disciplines. The enclosed proposal has been carefully vetted by the college's Education Policy Committee in close consultation with the Dean's office.

The proposed minor in Microbiology will utilize the strengths of the outstanding microbiologist in multiple colleges across campus. The College of Arts and Sciences is well equipped to provide core courses for this minor with a variety of faculty members contributing from both the Department of Biology and the Department of Chemistry. In addition, students will be able to take advantage of relevant course work in microbiology within five other colleges.

The Microbiology minor would fit well with numerous majors and consequently might have a broad appeal among students, along with attracting new students.

The College of Arts and Sciences fully supports this proposed minor.

Sincerely,



Mark Lawrence Kornbluh  
Dean



UNIVERSITY OF KENTUCKY

College of Medicine  
Rebecca Ellis Dutch, Ph.D.  
Department of Molecular and  
Cellular Biochemistry  
BBSRB B177  
Lexington, KY 40536-0509  
Tel: (859) 323-1795  
E-mail: rdute2@uky.edu

Dear Dr. Beattie,

This letter is to affirm that the College of Medicine is fully supportive of the proposed Microbiology minor, and is committed to COM faculty teaching within the program, and providing co-leadership. Microbiology is an exciting field of study, and work in this area is performed by scientists across the university. This proposal beautifully brings together faculty from multiple colleges to provide an important new option for our students. I am sure it will be a very popular minor that will benefit our students.

Please feel free to contact me if you need any additional information.

Sincerely,

A handwritten signature in cursive script that reads "Rebecca Dutch".

Rebecca Dutch  
Professor of Molecular and Cellular Biochemistry  
Associate Dean for Biomedical Education





Department of Biology  
101 Morgan Building  
Lexington, KY 40506-0225  
859 257-4711  
fax 859 257-1717  
www.uky.edu

December 1, 2014

Dr. Rebecca Dutch  
Associate Dean for Biomedical Education,  
College of Medicine,  
171 BBSRB  
741 Limestone St  
Lexington, KY 40536

Dear Dr. Dutch,

On behalf of the Department of Biology at the University of Kentucky I am pleased to provide this letter of support for the new interdisciplinary minor in microbiology. The Biology faculty voted unanimously to support the creation of this minor and for the inclusion of BIO 308, BIO 309, BIO 397, BIO 427, BIO 494G, BIO 495G, BIO 582 and BIO 561 as required and/or elective courses in the program.

Yours,

A handwritten signature in black ink, appearing to read "Vincent Cassone". The signature is stylized and fluid, with a long horizontal line extending to the right.

Vincent Cassone  
Chair, Department of Biology



College of Medicine  
Department of Microbiology,  
Immunology & Molecular Genetics  
Chandler Medical Center, MS 415  
Lexington, KY 40536-0298  
(859) 323-5256  
Fax: (859) 257-8994  
[www.comd.uky.edu](http://www.comd.uky.edu)

October 9, 2014

Rebecca Dutch, PhD  
Associate Dean for Biomedical Education  
College of Medicine

Dear Becky,

The Department of Microbiology, Immunology, and Molecular Genetics initiated the establishment of a minor in Microbiology as a collaborative effort between our unit and the Department of Biology in the College of Arts and Sciences. Our faculty voted this month to approve the curriculum adopted by a multi-disciplinary organizing team that includes stakeholders from multiple colleges and departments across the University of Kentucky campus. It is our intention to remain active in the running of the minor and to co-direct the program with the Department of Biology and other faculty from across campus involved in the Faculty of Record. To this end, we will provide a faculty member to act as the co-Director of Undergraduate Studies for this program. In addition, our faculty will actively participate in teaching in courses required for the minor. Our department is enthusiastic about the establishment of this program and providing a new option for our undergraduate students.

Best Regards,

Beth A. Garvy, PhD  
Professor and Chair



Office of Medical Education  
138 Leader Avenue  
Lexington, KY 40509  
859-257-5286 (phone)

January 20, 2015

Ruth Beattie, PhD  
Associate Dean of Advising  
College of Arts and Sciences  
University of Kentucky  
202 Patterson Office Tower  
Lexington, KY 40506

**RE: College of Medicine support for Microbiology and Physiology Minors**

Dear Dr. Beattie:

I am pleased to write this letter on behalf of the College of Medicine Curriculum Committee expressing support for the proposed minor degree programs in Physiology and Microbiology. The College of Medicine is excited about these interdisciplinary collaborative opportunities and is committed to faculty leadership and teaching within these programs. These minors will provide a great option for undergraduate students wanting to have additional focus in these areas, including many students who plan on pursuing a medical degree in the future.

These proposals have the unequivocal support of the College of Medicine Curriculum Committee. Please contact me if you need any additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Feddock". The signature is fluid and cursive.

Christopher A. Feddock, MD, MS, FAAP, FACP  
Associate Professor of Internal Medicine & Pediatrics  
Associate Dean of Curriculum, College of Medicine  
Chairman, College of Medicine Curriculum Committee

**UK**  
UNIVERSITY OF  
**KENTUCKY**  
College of Agriculture

College of Agriculture,  
Food and Environment  
Office of the Dean  
S123 Ag. Science Building -- North  
Lexington, KY 40546-0091

859 257-4772  
Fax 859 323-2885

Rebecca Dutch  
Professor, Molecular and Cellular Biochemistry  
Associate Dean for Biomedical Education  
University of Kentucky College of Medicine  
171 BBSRB  
741 S. Limestone St.  
Lexington, KY 40536-0509

Dear Dr. Dutch,

On behalf of the College of Agriculture, Food and Environment, we support the Microbiology inter-college minor curriculum proposal. Several courses within the College, including selections from Entomology, Food Science, Plant and Soil Science and Plant Pathology will serve as elective courses for this minor. We anticipate that undergraduates in the Ag Biotech (ABT) program will be particularly eager to consider this new minor. Several of our faculty, who have worked with you to plan the minor, are very enthusiastic.

Please let me know how our college can be of support to you in this endeavor.

Sincerely,

*Nancy M. Cox*

Dean Nancy M. Cox  
College of Agriculture, Food and Environment



College of Agriculture, Food, and the Environment  
Department of Plant Pathology  
University of Kentucky  
201F Plant Science Building  
1405 Veterans Drive  
Lexington, KY 40546

October 29, 2014

Dear Dr. Dutch,

This letter is to offer my enthusiastic support for the minor in Microbiology that you are proposing. I think there is too little understanding of the microbial world among our students and among members of the general public. For students thinking about careers in Human or Animal Health, Agriculture, Biotechnology, or Ecology, it would be of particular value to have this minor focus added to their studies. As we cope with global infectious disease crises like Ebola, it also seems extremely timely. The proposed minor is very well structured and will provide an excellent grounding in the subject. You have included my Fungal Biology course as a possible elective, and I would be very pleased to have students from the minor in my class. I include several lectures that specifically discuss the roles of fungi as pathogens of animals and plants, as well as others on mycorrhizal fungi and insect symbionts, and on the roles of fungi in global nutrient cycles and in modern biotechnology. If there is anything in particular that I can do to help with the Microbiology minor, please don't hesitate to let me know.

With best regards,

Lisa J. Vaillancourt

Professor of Plant Pathology  
Director of Graduate Studies

**UK**  
UNIVERSITY OF  
**KENTUCKY**

College of Health Sciences

October 3, 2014

Rebecca Dutch  
Professor, Molecular and Cellular Biochemistry  
Associate Dean for Biomedical Education  
University of Kentucky College of Medicine  
171 BBSRB  
741 S. Limestone St.  
Lexington, KY 40536-0509

Medical Laboratory Science  
CTW Building, Room 124  
900 South Limestone Street  
Lexington, KY 40536-0200

859 218-0851  
fax 859 323-8957  
[www.mc.uky.edu/mls](http://www.mc.uky.edu/mls)

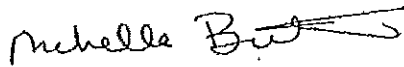
Dear Dr. Dutch,

I am writing this letter in support of the Microbiology Minor being proposed.

As the Medical Laboratory Science (MLS) Program Director, College of Health Sciences, I presented the possibility of a Microbiology Minor to the MLS faculty. Since the MLS Program requires BIO 308 Microbiology and BIO 309 Microbiology Laboratory as pre-requisite courses for our Program and our Program curriculum includes three 400 level MLS microbiology courses, I wanted to share this new opportunity with MLS faculty members. Faculty members agreed that this minor would benefit students pursuing a career in health sciences and other disciplines. In addition, faculty members expressed interest in offering a microbiology course as a minor elective since the Program has the resources.

In addition, the interdisciplinary courses offered in this minor are commendable and hopefully highly appealing to students. I applaud the efforts of faculty members, from multiple colleges, who have developed this minor and fully support its approval.

Sincerely,



Michelle Butina, Ph.D., MLS(ASCP)<sup>CM</sup>  
Medical Laboratory Sciences Program Director  
(859) 218-0852 [michelle.butina@uky.edu](mailto:michelle.butina@uky.edu)

Rebecca Dutch  
Professor, Molecular and Cellular Biochemistry  
Associate Dean for Biomedical Education  
University of Kentucky College of Medicine  
171 BBSRB  
741 S. Limestone St.  
Lexington, KY 40536-0509

26 September 2014

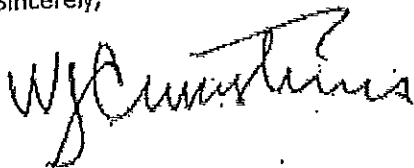
Prof. Dutch,

Thank you for including representatives from our department in the Microbiology minor discussion group. We believe this minor program of study will help to provide students with the skills and knowledge necessary to succeed in a variety of scientific and medical careers. Furthermore, we look forward to working with some of these students in our introductory course on epidemiologic methods (CPH 310 Disease Detectives: Epidemiology in Action), which will serve as an elective toward the Microbiology minor.

As you are no doubt aware, emerging infectious diseases such as Ebola, methicillin-resistant staphylococcus aureas (MRSA), and Middle East respiratory syndrome (MERS) can be extremely dangerous, and pose new challenges to physicians and public health authorities, many of whom have focused on preventing chronic diseases for several decades. Additional knowledge of the principles and methods of microbiology are therefore invaluable to students interested in future careers in the biological sciences, medicine, nursing, public health, and a variety of cognate disciplines.

Please let me know if I can be of further assistance in establishing this important minor degree program.

Sincerely,



W. Jay Christian, MPH, PhD  
Assistant Professor, Dept. of Epidemiology  
University of Kentucky, College of Public Health  
111 Washington Ave, #211B  
Lexington, KY 40536

**From:** Scharff, Chris L  
**To:** Dutch, Rebecca  
**Subject:** Microbiology minor email letter of support for PPA  
**Date:** Wednesday, October 29, 2014 6:07:55 PM  
**Importance:** High

---

Rebecca Dutch  
Professor, Molecular and Cellular Biochemistry  
Associate Dean for Biomedical Education  
University of Kentucky College of Medicine  
171 BBSRB  
741 S. Limestone St.  
Lexington, KY 40536-0509

Dear Dr. Dutch

On behalf of the Department of Plant Pathology, I am expressing our strong support for the proposed Microbiology minor.

The discipline of plant pathology is intimately associated with that of microbiology, because a wide range of microbes either cause important diseases, or provide benefits (nitrogen fixing bacteria, mycorrhizal fungi, endophytes) for the plants on which we depend for food, fiber, pharmaceuticals, and many other purposes. The protection and enhancement of plant health by managing the associated microbes is the primary focus of our department's Research, Teaching and Extension missions. There are many relationships and similarities between the viruses, bacteria, fungi and parasites that infect plants and those that infect animals or humans, so our discipline has a close affinity to those of veterinary and human medicine, as well as dentistry, as pertains to infectious diseases. It is therefore understandable that the faculty in my department have a long and robust history of communication and collaboration with members of a wide range of departments encompassing these other disciplines. At the instructional level, such interactions have been through various graduate programs, as well as the Agricultural Biotechnology major, for which members of other colleges frequently mentor undergraduate research projects. Thus, I believe that we have already conducted highly successful "proof of concept experiments" for the proposed Inter-college Microbiology minor.

Please let me know how I can help in this exciting endeavor.



Best regards

Chris

Christopher L. Schardl, chair  
Department of Plant Pathology  
201F Plant Sciences Bldg.  
1405 Veterans Drive ☎ph:1-859-218-0730  
University of Kentucky 7fax:1-859-323-1961  
Lexington, KY 40546-0312 4e-: [SCHARDL@UKY.EDU](mailto:SCHARDL@UKY.EDU)  
<http://www.ca.uky.edu/agcollege/plantpathology/index.html>  
<http://www.endophyte.uky.edu/>



College of Health Sciences  
Office of the Dean  
Wethington Building, Room 123  
Lexington, KY 40506-0200  
859 323-1100 ext. 80480  
fax 859 323-1058  
www.uky.edu

September 18, 2014

Rebecca Dutch  
Professor, Molecular and Cellular Biochemistry  
Associate Dean for Biomedical Education  
University of Kentucky College of Medicine  
171 BBSRB  
741 S. Limestone St.  
Lexington, KY 40536-0509

Dear Dr. Dutch,

The purpose of this letter is to offer our support for the proposed Microbiology Minor. The Division of Medical Laboratory Sciences Director, Dr. Michelle Butina, has been involved in discussions about the Minor and is enthusiastic about the proposal. Dr. Butina and her colleagues are in the process of developing a 300-level course in medical microbiology which they plan to submit as a new course proposal by the end of the 2014-2015 academic year. I know that you have been in conversation with Dr. Butina about this course, and we appreciate your offer to add it as an elective for the Microbiology Minor; once the course is approved, this course will be open to students enrolled in the Minor and should provide a fine option for them.

In reviewing the minor, we believe that some of our students in the CHS may find it a good fit. We would be happy to work with you on the Minor and to discuss additional courses we might offer over time.

We wish you every success on this proposal and believe it to be an excellent addition to the undergraduate Minors offered at the University.

Sincerely,

A handwritten signature in cursive script that reads "Sharon Stewart".

Sharon Stewart  
Interim Dean and Professor  
College of Health Sciences  
123 CTW  
CAMPUS 0200

seeblue.



UNIVERSITY  
OF KENTUCKY

College of Public Health

Office of the Dean  
111 Washington Ave., Ste. 112  
Lexington KY 40536-0003  
(859) 218-2247 phone  
(859) 323-5698 fax  
[www.uky.edu/PublicHealth](http://www.uky.edu/PublicHealth)

September 26, 2014

Rebecca Dutch, PhD  
Professor, Molecular and Cellular Biochemistry  
Associate Dean for Biomedical Education  
University of Kentucky College of Medicine  
741 South Limestone Street  
Lexington, KY 40536-0509

Dear Dr. Dutch:

I am pleased to offer my enthusiastic support for the College of Medicine proposal for a Microbiology Minor. I and my colleagues in the College of Public Health have reviewed the proposed curriculum for this program. We believe it provides substantive experiences for students and complements a broad range of major degree programs.

Many universities have seen their undergraduate degrees in public health become incredibly popular and successful. We have recently initiated our Bachelors in Public Health degree and this Microbiology Minor will serve as an outstanding minor option for our students. Our instruction in public health, coupled with this minor will serve as a pre-professional curriculum for health sciences careers.

The College of Public Health is delighted to provide Minor Electives, including our Disease Detectives -- Epidemiology in Action (CPH 310) course. The collaboration between faculties from our two Colleges is already extraordinary and will only increase in our mutual support for this minor. The faculty in CPH looks forward to working with College of Medicine faculty to implement this Microbiology Minor.

Sincerely,

Professor and Interim Dean

**From:** [Dutch, Rebecca](#)  
**To:** [Dutch, Rebecca](#)  
**Subject:** FW: Microbiology minor email of support  
**Date:** Monday, October 20, 2014 4:23:11 PM

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**From:** Goodin, Michael M  
**Sent:** Monday, October 20, 2014 1:27 PM  
**To:** Dutch, Rebecca  
**Subject:** Re: Microbiology minor email of support

Dear Becky,

I am very happy to offer my support for the Microbiology minor. It was a privilege to work with you and other members of the committee tasked with developing the minor. I am glad that PPA 671 (Plant Virology) will be offered as an elective in this minor. Although I can't speak on behalf of the Agricultural Biotechnology Steering Committee, I anticipate that the Micro minor will be popular with students enrolled in the ABT program.

Best regards, Michael

Michael Goodin, Ph.D. [Tel:859-257-7445](tel:859-257-7445) x 80726  
Associate Professor [Fax:859-323-1961](tel:859-323-1961)  
Department of Plant Pathology  
201F Plant Science Building  
University of Kentucky  
Lexington, KY 40546

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From: Dobson, Stephen L.  
To: Dutch, Rebecca  
Cc: Fox, Charles W.; Obrycki, John  
Subject: Microbiology minor  
Date: Friday, October 03, 2014 7:55:45 AM

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Becky,

This is to confirm my support for listing ENT/BIO 561 in the proposed electives for the Microbiology minor. I wish the best to you as this goes forward. It would be a nice addition for our students.

With best regards,

STEPHEN L. DOBSON  
Professor, PhD  
Medical and Veterinary Entomology

Mailing Address:  
Department of Entomology  
University of Kentucky  
S-225 Ag. Science Center North  
Lexington, KY 40546-0091

Office Location:  
N324A Ag. Science Center North  
<http://tinyurl.com/Office-Dobson>

Telephone:  
Office: (859) 257-4902  
OnCampus: 7-4902  
Lab: (859) 257-5117  
Fax: (859) 323-1120

Home Page:  
<http://dobsonserv.ca.uky.edu/DobsonSite/Home.html>

**UK**  
UNIVERSITY OF  
**KENTUCKY**  
College of Agriculture,  
Food and Environment

Department of Plant & Soil Sciences

*College of Agriculture  
105 Plant Science Building  
Lexington, Kentucky 40546-0312  
www.uky.edu*

2 October 2014

Rebecca Dutch  
Professor, Molecular and Cellular Biochemistry  
Associate Dean for Biomedical Education  
University of Kentucky College of Medicine  
171 BBSRB.  
741 S. Limestone St.  
Lexington, KY 40536-0509

Dr. Dutch:

I would be delighted to be a participant in the proposed undergraduate Minor in Microbiology for which my courses PLS 566 (Soil Microbiology) and PLS 567 (Methods in Soil Microbiology) would be electives. This is a much need addition to the University of Kentucky undergraduate curriculum.

Yours,



M.S. Coyne  
Professor of Soil Microbiology  
Heick Professor of Soil Science



College of Arts and Sciences

February 4, 2015

Department of Chemistry  
Chemistry-Physics Building  
Lexington, KY 40506-0055

859 257-4741  
fax 859 323-1069

[www.chem.uky.edu](http://www.chem.uky.edu)

Prof. Ruth E. Beattie  
Associate Dean for Advising  
College of Arts and Sciences  
325 Patterson Office Tower  
University of Kentucky  
Lexington, KY 40506

Dear Prof. Beattie:

On behalf of the Department of Chemistry, I am pleased to support the inclusion of the courses CHE 550 and CHE 552 as part of the new Microbiology minor. Our faculty are fully supportive of this new minor, and we believe it will be well-received by many of our students.

Please feel free to contact me if you have any questions or if you need additional information.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Steven W. Yates". The signature is written in a cursive style with a large, stylized initial "S".

Steven W. Yates, Interim Chair  
A&S Distinguished Professor  
859-257-4005  
[yates@uky.edu](mailto:yates@uky.edu)

see  
blue.



College of Arts and Sciences

Office of the Dean

202 Patterson Office Tower  
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January 26, 2013

Dear Undergraduate Council:

I am pleased to express the College's strongest support of the proposed BS degree in Neuroscience. The College of Arts and Sciences is excited for the opportunity to partner with the College of Medicine and offer this new degree that will give University of Kentucky students a chance to engage in the multidisciplinary topics of Anatomy and Neurobiology, Biology, and Psychology. The enclosed proposal has been carefully vetted by the College's Educational Policy Committee in close consultation with the Dean's office.

The proposed degree program in Neuroscience will be unique within the College of Arts and Sciences for the diverse and multidisciplinary nature of course offerings and collaborating faculty across colleges. The College of Arts & Sciences is well equipped to provide core courses for this major with a variety of faculty members contributing from both the Department of Psychology and the Department and Biology. In addition, students will be able to take advantage of relevant coursework in Neuroscience within four other Colleges. This proposed degree program is one of the first Bachelor's degree programs in Neuroscience in the state of Kentucky.

Nearly three quarters of our University benchmark institutions offer a major in Neuroscience. As an academic and scientific discipline, neurosciences clearly represent a topic of growing interest and importance, one that will attract a significant number of undergraduate students. Students in this program will develop critical thinking, communication, and independent study skills with broad, multidisciplinary training in basic and applied scientific aspects of Neuroscience. Students will also have the opportunity to receive extensive training in applied aspects of Neuroscience including such topics as, central nervous system injury, drug addiction, aging, and delivery of therapeutic agents using nanotechnologies.

The College of Arts and Sciences fully supports this proposed major and is excited to partner with the College of Medicine.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark Lawrence Kornbluh". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Mark Lawrence Kornbluh  
Dean