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MEMORANDUM

TO: Undergraduate Council  
University of Kentucky Senate

FROM: Sharon Stewart   
CHS Associate Dean for Academic and Faculty Affairs

RE: Request for approval of program change request – Medical Laboratory Science  
Program, Department of Clinical Sciences, College of Health Sciences

DATE: July 11, 2016

I am forwarding this request for a change to the Medical Laboratory Science undergraduate program. This program change was prepared by program faculty, recommended for approval by the Department of Clinical Science, and reviewed and recommended for approval by the CHS Academic Affairs Committee. I support this request.

The courses (MLS 430; MLS 471) and revised syllabi referred to in the program change request and in the May 3<sup>rd</sup> memo from Dr. Travis on behalf of the Academic Affairs Committee have been submitted via eCATS.

Please contact me at 8-0570 or contact Dr. Michelle Butina at 218-0852 regarding any concerns or questions.

see blue.™

# MEMO

May 3<sup>rd</sup>, 2016

**TO:** Sharon Stewart, Professor and Associate Dean of Academic Affairs

**CC:** Michelle Butina, MLS Program Director

**FROM:** Travis Thomas – Chair of Academic Affairs

**RE:** Academic Affairs review of Curriculum Changes in MLS program

Dr. Stewart,

Thanks for the opportunity to review this important proposal. The MLS curriculum change proposal is quite clear, well-written, and well-organized. The rationale for the proposed changes is clearly explained and it is evident to me that these curriculum changes are necessary and achieve the stated goals.

Upon initial review, the AA Committee recommended additional changes that were all successfully addressed by Dr. Butina to improve the clarity of the proposal. The Academic Affairs committee recommends approval of the attached curriculum change proposal and asks Dr. Butina to use the revised MLS 430 and MLS 471 syllabi and to upload these syllabi to eCATS.

Thanks for the opportunity to review this proposal. Please let me know if I can help clarify anything regarding this approval request.

Sincerely,



Travis Thomas, PhD, RDN, CSSD, *Chair – CHS Academic Affairs Committee (2015-16)*

February 29, 2016

*Approved  
JPN/mbw  
3-4-16*

Memorandum

TO: Phyllis Nash, Clinical Science Department Chair

FR: Michelle Butina, Medical Laboratory Science Program Director

RE: Request for Curriculum Changes in the Medical Laboratory Sciences Program

The faculty of the Medical Laboratory Science (MLS) Program requests approval for the following: 1) reduce the number of credit hours of MLS 430 (Clinical Mycology, Parasitology and Virology) from three credit hours to two credit hours, 2) change in name of MLS 430 from "Clinical Mycology, Parasitology and Virology" to "Clinical Mycology and Parasitology", and 3) an addition of a new course MLS 471 (Professionalism in Medical Laboratory Science) that is one credit hour. The rationale for these changes is attached along with other documents that will assist in understanding the proposed changes to the MLS curriculum.

This list represents the following documents and their order:

- Change requests and rationale
- Undergraduate Program Change Form
- UG Change Form Semester by Semester Addendum
- Current and Proposed Course Sequence Traditional Track
- Current and Proposed Course Sequence MLT to MLS Track
- Response from Institutional Effectiveness
- MLS 430 Major Course Change (Submitted through eCATS)
- MLS 430 Syllabus (Submitted through eCATS)
- MLS 471 New Course (Submitted through eCATS)
  - Distance Learning Form for MLS 471 (Submitted with New Course Form)
- MLS 471 Syllabus (Submitted through eCATS)

Please contact Michelle Butina ([mbu228@uky.edu](mailto:mbu228@uky.edu) or 218-0852) if you have questions or concerns.

**From:** [Alexander-Snow, Mia](#)  
**To:** [Stewart, Sharon R](#)  
**Cc:** [Butina, Michelle](#); [Oyer, Abigail C](#)  
**Subject:** RE: Proposed Changes to the Medical Laboratory Sciences (MLS) Program (51.1005)--Office of Institutional Effectiveness Response  
**Date:** Wednesday, February 24, 2016 5:16:34 PM  
**Attachments:** [image005.png](#)

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Dear Sharon and Michelle:

Thank you for meeting with me and Abigail Oyer to clarify the proposed program changes to the Medical Laboratory Sciences (MLS) Program (51.1005). The MLS is a currently existing program, with SACSCOC approval to offer 100% via distance education at the CERH in Hazard via ITV.

Based on our meeting and the proposal documentation presented, the proposed program changes (refer to list below) are not substantive changes as defined by SACSCOC, the university's regional accreditor. Therefore, no additional information is required by the Office of Planning & Institutional Effectiveness at this time. The proposed program change(s) may move forward in accordance with college and university-level approval processes.

List of Proposed Change(s):

- Reduce the number of credit hours of MLS 430 (Clinical Mycology, Parasitology and Virology) from 3 credit hours to 2 credit hours
- Change in name of MLS 430 from "Clinical Mycology, Parasitology and Virology" to "Clinical Mycology and Parasitology"
- Addition of a new course MLS 471 (Professionalism in Medical Laboratory Science) that is one credit hour

Should you have questions or concerns about the UK's substantive change policy and its procedures, please do not hesitate contacting me.

Regards,  
Mia

**Mia Alexander-Snow, PhD**  
*Director, Planning and Institutional Effectiveness*  
Phone: 859-257-2873  
Fax: 859-323-8688

Visit the Institutional Effectiveness Website: <http://www.uky.edu/ie>

Follow us at: <https://www.facebook.com/universityofky>



**The University of Kentucky**

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**From:** Alexander-Snow, Mia

## **Rationale for Medical Laboratory Sciences (MLS) Program Changes**

The MLS Program is requesting three changes for both tracks (traditional and MLT to MLS) within the Program: 1) reduce the number of credit hours of MLS 430 (Clinical Mycology, Parasitology and Virology) from three credit hours to two credit hours, 2) change in name of MLS 430 from “Clinical Mycology, Parasitology and Virology” to “Clinical Mycology and Parasitology”, and 3) an addition of a new course MLS 471 (Professionalism in Medical Laboratory Science) that is one credit hour.

The MLS Program underwent major curriculum revisions that became effective in fall of 2011. The changes included revision of courses and the addition of several new courses which the MLS Program has been evaluating since implementation. The requested changes are due to MLS faculty member's evaluation of the curriculum which occurred during the MLS 2015 annual curriculum planning retreat.

**1) Reduce the number of credit hours of MLS 430 (Clinical Mycology, Parasitology and Virology) from three credit hours to two credit hours.** The rationale for this change is that virology content is currently being taught in MLS 420 Clinical Immunology and Serology. (MLS 420 and MLS 430 were both new courses, created during the major curriculum revision mentioned above, and faculty members were not aware of the heavy virology component in medical laboratory immunology/serology textbooks.) Currently, virology is a smaller component of MLS 430 while the focus of the course has been parasitology and mycology. MLS faculty members do not believe that the content of parasitology and mycology warrant three credit hours thus the request to remove virology and reduce the credit hours.

Currently, MLS 420, Clinical Immunology and Serology is three credit hours. There is no need to change the credit hours of MLS 420 as virology has been a lecture component in MLS 420 since the course was first taught in the fall of 2011. No additional content is being added thus an increase in credit hours is not warranted.

**2) Change in name of MLS 430 from “Clinical Mycology, Parasitology and Virology” to “Clinical Mycology and Parasitology”.** The rationale for this change is due to our first change request in which virology will no longer be taught in MLS 430 as it is currently being taught in MLS 420.

**3) Addition of a new course MLS 471 (Professionalism in Medical Laboratory Science) that is one credit hour.**

The rationale for this change is that faculty members have seen a decline in professionalism in the current generation of traditional college students. As such, faculty members brainstormed additional ideas for promoting professionalism and MLS 471 was the outcome of our brainstorming session. Some components of MLS 471 are scattered throughout the MLS Program (e.g., generational diversity was a presentation given during practicum orientation) however the development of MLS 471 has allowed for these miscellaneous components to be placed within a course with the addition of new components (e.g., interview role playing) that have been lacking. Additionally, MLS 471 will be developed for the medical laboratory science profession specifically thus content will be most applicable to our students. The rationale for



requiring the MLT to MLS students to take MLS 471 is that the topics presented in this course are not included in the MLT curriculum.

CHANGE UNDERGRADUATE DEGREE PROGRAM

*PLEASE NOTE: To ensure that a series of changes to an existing degree program does not essentially create a new program, the Southern Association for the Accreditation of Colleges and Schools (SACS) requires submission of its Substantive Change Checklist for every program change. Prior to college-level review, you must fill out and submit the SACS Substantive Change Checklist to the Office of Institutional Effectiveness. Contact Institutional Effectiveness ([institutionaleffectiveness@uky.edu](mailto:institutionaleffectiveness@uky.edu)) for assistance.*

*Once approved at the college level, your college will send the proposal to the appropriate Senate academic council (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 and then a 10-day posting online, during which senators review on their own and have an option to register an objection if they so desire. If no objection is raised to the Senate Council Office within ten days of the posting the proposal, then the program change is approved. The Senate Council Office will report approvals to the Provost, Registrar and other appropriate entities, including the contact person.*

For every proposed change, you MUST also include the existing requirement.

SUMMARY OF CHANGES			
Check all that apply.			
<input checked="" type="checkbox"/> Courses	<input type="checkbox"/> Program name	<input type="checkbox"/> Total required credit hours	<input type="checkbox"/> Student learning outcomes
<input type="checkbox"/> Criteria for admissions/progression/termination		<input type="checkbox"/> Certificate assessment	<input type="checkbox"/> Other
<b>1. General Information</b>			
1a	Date of contact with Institutional Effectiveness (IE) <sup>1</sup> :		2/15/16
	<input checked="" type="checkbox"/> Appended to the end of this form is a PDF of the reply from Institutional Effectiveness.		
1b	College <sup>2</sup> :	Health Sciences	Department <sup>2</sup> : Medical Laboratory Science
1c	CIP code <sup>3</sup> :	51.1005	Today's Date: 12/16/15
1d	Current major name: (Biology, Design, etc.)	Medical Laboratory Science	Proposed major name: No change
1e	Current Degree (BA, BFA, etc.):	Bachelor of Health Sciences	Proposed degree: No change
1f	Will there be any changes regarding a track(s) for the program?		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
1g	Accrediting agency, if applicable:	National Accrediting Agency for Clinical Laboratory Science	
1h	Date of most recent periodic program review for this degree:	Fall 2015	
1i	Requested effective date:	<input checked="" type="checkbox"/> Fall semester following approval.	OR <input type="checkbox"/> Specific Date <sup>4</sup> : Fall 20

<sup>1</sup> Prior to college-level review, you must fill out and submit the SACS Substantive Change Checklist to the Office of Institutional Effectiveness. You can reach Institutional Effectiveness by phone or email (257-2873 or [institutionaleffectiveness@uky.edu](mailto:institutionaleffectiveness@uky.edu)).

<sup>2</sup> It is not possible to change the home academic unit of a degree program via this form. To change the home unit, visit <http://www.uky.edu/faculty/senate> and search for forms related to academic organizational structure.

<sup>3</sup> The CIP code is provided by Institutional Effectiveness. If a different CIP code is necessary, the program may undergo a review similar to the new program approval process.

<sup>4</sup> No program change(s) will be effective until all approvals are received.



CHANGE UNDERGRADUATE DEGREE PROGRAM

1j	Contact person name:	Michelle Butina	Phone / Email:	218 / 0852
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**2. Overview of Changes**

2a Describe the rationale for the changes, including results from the most recent program review if applicable. (450 word limit)

The MLS Program is requesting three changes for both tracks (traditional and MLT to MLS) within the Program: 1) reduce the number of credit hours of MLS 430 (Clinical Mycology, Parasitology and Virology) from three credit hours to two credit hours, 2) change in name of MLS 430 from Clinical Mycology, Parasitology and Virology to Clinical Mycology and Parasitology, and 3) an addition of a new course MLS 471 (Professionalism in Medical Laboratory Science) that is one credit hour. The MLS Program underwent major curriculum revisions that became effective in fall of 2011 which included revision of courses and the addition of several new courses. The requested changes are due to MLS faculty member's evaluation of the curriculum which occurred during the MLS 2015 annual curriculum planning retreat.

1) The rationale for this change is that virology content is currently being taught in MLS 420 Clinical Immunology and Serology. (MLS 420 and MLS 430 were both new courses, created during the major curriculum revision mentioned above, and faculty members were not aware of the heavy virology component in medical laboratory immunology/serology textbooks.) Currently, virology is a smaller component of MLS 430 while the focus of the course has been parasitology and mycology and faculty members do not believe that the content of parasitology and mycology warrant three credit hours.

Currently, MLS 420, Clinical Immunology and Serology is three credit hours. There is no need to change the credit hours of MLS 420 as virology has been a lecture component in MLS 420 since the course was first taught in the fall of 2011 and no additional content is being added.

2) The rationale for this change is due to our first change request in which virology will no longer be taught in MLS 430 as it is currently being taught in MLS 420.

3) The rationale for this change is that faculty members have seen a decline in professionalism in the current generation of traditional college students. As such, faculty members brainstormed additional ideas for promoting professionalism and MLS 471 was the outcome of our brainstorming session. Some components of MLS 471 are scattered throughout the MLS Program however the development of MLS 471 has allowed for these miscellaneous components to be placed within a course with the addition of new components that have been lacking. Additionally, MLS 471 will be developed for the medical laboratory science profession specifically thus content will be most applicable to our students. The rationale for requiring the MLT to MLS students to take MLS 471 is that the topics presented in this course are not included in the MLT curriculum.

2b Use the fields below, as applicable, to identify the areas in which changes will be made.

		Current	Proposed
i.	Credit Hours of Premajor Courses:	29	no change
ii.	Credit Hours of Preprofessional Courses:		
iii.	Credit Hours of Major Core Course Requirements	60	no change
iv.	Minimum Credit Hours of Guided Electives:		
v.	Minimum Credit Hours of Free Electives:	6	no change
vi.	Credit Hours for Track 1 (name): Traditional Track	60	no change
vii.	Credit Hours for Track 2 (name): MLT to MLS	40-48	no change
viii.	Credit Hours for Track 3 (name):		
ix.	Credit Hours for Track 4 (name):		



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x.	Credit Hours for Track 5 (name):		
xi.	Credit Hours for Required Minor:		
xii.	Total Credit Hours Required by Level:	100-level:	
		200-level:	
		300-level:	
		400-level:	
		500-level:	
TOTAL CREDIT HOURS REQUIRED FOR GRADUATION:		<u>120</u>	<u>no change</u>
xv.	If the total hours required for graduation have changed, explain below. (150 word limit)		
	NA		
2c	Will the requested change(s) result in the use of courses from another educational unit?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	If "Yes," describe generally the courses and how they will used.		
	If "Yes," two pieces of supporting documentation are required.		
	<input type="checkbox"/> Check to confirm that appended to the end of this form is a letter of support from the appropriate chair/director <sup>5</sup> of each unit from which individual courses will be used.		
	<input type="checkbox"/> Check to confirm that appended to the end of this form is verification that the chair/director of each affected unit has consent from the faculty members of the unit. This typically takes the form of meeting minutes.		
2d	Will the proposed change(s) affect an associated minor?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	If "Yes," the department must also submit a change form to change the minor.		
<b>3. Course Sharing</b>			
3a.	Will the requested changes result in the use of courses from another unit?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	If "Yes," describe generally the courses and how they will used.		
	If "Yes," two pieces of supporting documentation are required.		
	<input type="checkbox"/> Check to confirm that appended to the end of this form is a letter of support from the other units' chair/director <sup>6</sup> from which individual courses will be used.		
	<input type="checkbox"/> Check to confirm that appended to the end of this form is verification that the chair/director of the other unit has consent from the faculty members of the unit. This typically takes the form of meeting minutes.		
<b>3. UK Core Courses</b>			
3a	Are there any proposed changes to the UK Core requirements for the program? (If	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

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

<sup>6</sup> A dean may submit a letter only when there is no educational unit below the college level, i.e. there is no department/school.

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"Yes," indicate and proceed to next question. If "No," indicate and proceed to 4a.)					
If "Yes," note the specific changes in the grid below.					
UK Core Area	Current Course	Current Credits	Proposed Course	Proposed Credits	
<b>I. Intellectual Inquiry</b>					
Arts and Creativity					
Humanities					
Social Sciences					
Natural/Physical/Mathematical					
<b>II. Composition and Communication</b>					
Composition and Communication I	CIS/WRD 110	3	<i>CIS/WRD 110</i>	3	
Composition and Communication II	CIS/WRD 111	3	<i>CIS/WRD 111</i>	3	
<b>III. Quantitative Reasoning</b>					
Quantitative Foundations					
Statistical Inferential Reasoning					
<b>IV. Citizenship (one course in each area)</b>					
Community, Culture & Citizenship in USA					
Global Dynamics					
<b>Total UK Core Hours</b>		_____		_____	
3b	Provide the Bulletin language about UK Core.				
<b>4. Graduation Composition and Communication Requirement</b>					
4a	Will the Graduation Composition and Communication requirement be changed? (If "Yes," indicate and proceed to next question. If "No," indicate and proceed to 5a.)			Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
If "Yes," note the specific changes below, including changes to credit hours.					
If the course(s) used are from outside the home unit, one piece of supporting documentation is required.					
<input type="checkbox"/> Check to confirm that appended to the end of this form is a letter of support from the other units' chair/director <sup>7</sup> from which individual courses will be used.					
	Current		Proposed		
i.	<input type="checkbox"/> Single course in home unit:		<input type="checkbox"/> <i>Single course in home unit:</i>		
ii.	<input type="checkbox"/> Multiple courses in home unit.		<input type="checkbox"/> <i>Multiple courses in home unit.</i>		
iii.	<input type="checkbox"/> Single course outside home unit.		<input type="checkbox"/> <i>Single course outside home unit.</i>		
iv.	<input type="checkbox"/> Multiple courses outside home unit.		<input type="checkbox"/> <i>Multiple courses outside home unit.</i>		
v.	<input type="checkbox"/> Course(s) Inside & outside home unit.		<input type="checkbox"/> <i>Course(s) Inside &amp; outside home unit.</i>		
4b	Provide the Bulletin language about GCCR below.				

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



CHANGE UNDERGRADUATE DEGREE PROGRAM

5. Other Course Changes							
5a	Will the college-level requirements change? (If "Yes," indicate and note the specific changes in the grid below. If "No," indicate and proceed to question 5c.)					Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Current			Proposed				
<input type="checkbox"/> Standard college requirement			<input type="checkbox"/> Standard college requirement				
<input type="checkbox"/> Specific course			<input type="checkbox"/> Specific course				
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status <sup>8</sup>	
						Select one....	
						Select one....	
						Select one....	
5b	Will the existing language in the Bulletin about college-level requirements change?					Yes <input type="checkbox"/>	No <input type="checkbox"/>
	If "Yes," provide the new language below.						
5c	Will the pre-major or pre-professional course requirements change? (If "Yes," indicate and note the specific changes in the grid below. If "No," indicate and proceed to question 5e.)					Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Current			Proposed				
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status <sup>9</sup>	
						Select one....	
						Select one....	
						Select one....	
						Select one....	
						Select one....	
5d	Provide the Bulletin language about pre-major or pre-professional courses below.						
5e	Will the major's core course requirements change? (If "Yes," indicate and note the specific changes in the grid below. If "No," indicate and proceed to question 5g.)					Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	If "Yes," note the specific changes in the grid below.						
Current			Proposed				
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status <sup>10</sup>	
MLS 430	3	Clinical Mycology, Parasitolog, Virology	MLS 430	2	Clinical Mycology and Parasitology	Change	
			MLS 471	1	Professionalism in	New	

<sup>8</sup> 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").

<sup>9</sup> Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

<sup>10</sup> Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.



CHANGE UNDERGRADUATE DEGREE PROGRAM

					Medical Laboratory Science	
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....

5f Provide the Bulletin language for major core course requirements.

MLS 430 Clinical Mycology and Parasitology - The study of clinically significant fungi and parasites. Included are the morphological characteristics, pathogenicity, epidemiological characteristics, laboratory testing and treatment.

MLS 471 Professionalism in Medical Laboratory Science - Medical laboratory science is an allied health profession and as such this course is designed to address professionalism topics specific to medical laboratory scientists. The course focuses on healthcare diversity, workplace challenges, and career succes.

5g Will the guided electives change? (If "Yes," indicate and note the specific changes in the grid below. If "No," indicate and proceed to question 5i.) Yes  No

Current			Proposed			
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status <sup>11</sup>
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....

5h Provide the Bulletin language for guided electives.

5i Will the free electives change? (If "Yes," indicate and note the specific changes in the Yes  No

<sup>11</sup> Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

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space below. If "No," indicate and proceed to question 5j.)

5j Does the proposed change affect any track(s)? (If "Yes," note the specific changes using the grid below. If "No," proceed to question 6.) Yes  No

If more than one track is affected, click [HERE](#) for a template. Append a PDF for each affected track to the end of this form.

Track Name:  New Track  Changed Track  Deleted Track

Current			Proposed			
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status <sup>12</sup>
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....

5k Provide the Bulletin language for the track.

**6. Semester by Semester Program**

List below the typical semester-by-semester program for the major. If multiple tracks are available, click [HERE](#) for a template for additional tracks and append a PDF of each track's courses to the end of this form.

<b>YEAR 1 – FALL:</b> (e.g. "BIO 103; 3 credits")		<b>YEAR 1 – SPRING:</b>	
<b>YEAR 2 - FALL :</b>		<b>YEAR 2 – SPRING:</b>	
<b>YEAR 3 - FALL:</b>		<b>YEAR 3 - SPRING:</b>	
<b>YEAR 4 - FALL:</b>		<b>YEAR 4 - SPRING:</b>	

**7. Approvals/Reviews**

Information below does not supersede the requirement for individual letters of support from educational unit administrators and verification of faculty support (typically takes the form of meeting minutes).

*In addition to the information below, attach documentation of department and college approval. This typically takes the form of meeting minutes but may also be an email from the unit head reporting department- and college-level votes.*

	Reviewing Group Name	Date Approved	Contact Person Name/Phone/Email
7a (Within College)			
<i>Michelle Butina</i>	MLS Faculty	2/15/16	Dr. Michelle Butina / 218-0852 / mbu228@uky.edu
<i>Phyllis Nash</i>	Clinical Sciences Department	2/29/16	Dr. Phyllis Nash / 218-0490 / pnash@uky.edu

<sup>12</sup> Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

CHANGE UNDERGRADUATE DEGREE PROGRAM

<small>Original Date Approved by Signature Date Approved by Signature Date Approved by Signature</small>	<b>CHS Associate Dean for Academic Affairs</b>		<b>Dr. Sharon Stewart / 218-0570 / srstew01@uky.edu</b>
			/ /
<b>7b</b>	<b>(Collaborating and/or Affected Units)</b>		
			/ /
			/ /
			/ /
			/ /
			/ /
<b>7c</b>	<b>(Senate Academic Council)</b>	<b>Date Approved</b>	<b>Contact Person Name</b>
	Health Care Colleges Council (If applicable)		
	Undergraduate Council	9/20/16	<i>Amy Spriggs</i>



**TEMPLATE FOR ADDITIONAL TRACKS, SEMESTER-BY-SEMESTER PROGRAM OF STUDY  
PROPOSAL TO CHANGE UNDERGRADUATE DEGREE PROGRAM**

**6. Semester by Semester Program**

List below the typical semester-by-semester program of study, e.g. "GWS 200; 3 credits," for a track in the program. Convert this addendum to a PDF and append to the end of the PROPOSAL TO CHANGE UNDERGRADUATE DEGREE PROGRAM form.

**Track Name: Traditional Track (NOTE: See "Current and Proposed Course Sequence Traditional Track" document for complete list of semester-by-semester program of study as this document does not contain summer courses.)**

<p><b>YEAR 1 - FALL:</b></p>	<p><u>-Composition and Communication I; 3 credits</u>  <u>-General College Chemistry I w/lab (CHE 105/111); 5 credits</u>  <u>-General Education; 3 credits</u>  <u>-Principles of Biology I w/lab (BIO 148/155); 4 credits</u></p>	<p><b>YEAR 1 - SPRING:</b></p>	<p><u>-Composition and Communication II; 3 credits</u>  <u>-MA 123 or equivalent; 3 credits</u>  <u>-General College Chemistry II w/lab (CHE 107/113); 5 credits</u>  <u>General Education; 3 credits</u></p>
<p><b>YEAR 2 - FALL :</b></p>	<p><u>-Introduction to Psychology (PSY 100); 4 credits</u>  <u>-Organic Chemistry I w/lab (CHE 230/231); 4 credits</u>  <u>-Principles of Microbiology w/lab (BIO 208/209); 5 credits</u>  <u>-Elective; 3 credits</u></p>	<p><b>YEAR 2 - SPRING:</b></p>	<p><u>-Elective; 3credits</u>  <u>-Elementary Physiology (PGY 206); 3credits</u>  <u>-Statistical Methods (STA 296); 3 credits</u>  <u>-General Education; 3credits</u>  <u>General Education; 3credits</u></p>
<p><b>YEAR 3 - FALL:</b></p>	<p><u>-MLS 400 Laboratory Techniques and Phlebotomy; 2 credits</u>  <u>-MLS 410 Medical Laboratory Biochemistry; 3 credits</u>  <u>-MLS 420 Clinical Immunology &amp; Serology; 3 credits</u>  <u>-MLS 460 Clinical Hematology; 3 credits</u>  <u>-MLS 465 Clinical Hematology Laboratory ; 2 credits</u>  <u>-MLS 461 Clinical Microbiology; 3 credits</u>  <u>MLS 466 Clinical Microbiology Laboratory; 2 credits</u></p>	<p><b>YEAR 3 - SPRING:</b></p>	<p><u>-MLS 430 Clinical Mycology, Parasitology, Virology; 3credits</u>  <u>-MLS 462 Clinical Chemistry; 3credits</u>  <u>-MLS 467 Clinical Chemistry Laboratory; 2credits</u>  <u>-MLS 463 Immunohematology; 3 credits</u>  <u>-MLS 468 Immunohematology Laboratory; 2 credits</u>  <u>-MLS 464 Body Fluids &amp; Hemostasis; 2credits</u>  <u>-MLS 469 Body Fluids &amp; Hemostasis Laboratory;</u></p>
<p><b>YEAR 4 - FALL:</b></p>	<p><u>-MLS 470 Clinical Correlations; 3 credits</u>  <u>-MLS 481 Clinical Microbiology Practicum; 4</u></p>	<p><b>YEAR 4 - SPRING:</b></p>	<p><u>Graduate in December of Year 4</u></p>

TEMPLATE FOR ADDITIONAL TRACKS, SEMESTER-BY-SEMESTER PROGRAM OF STUDY  
 PROPOSAL TO CHANGE UNDERGRADUATE DEGREE PROGRAM

	<u>credits</u> -MLS 482 Clinical Chemistry Practicum; 4 <u>credits</u> -MLS 483 Immunohematology Practicum; 4 credits		
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Track Name: MLT to MLS Track (NOTE: See "Current and Proposed Course Sequence MLT to MLS Track" document for complete list of semester-by-semester program of study as this document does not contain summer courses.)

YEAR 1 - FALL:	_____	YEAR 1 - SPRING:	_____
YEAR 2 - FALL :	_____	YEAR 2 - SPRING:	_____
YEAR 3 - FALL:	-MLS 410 Medical Laboratory Biochemistry; 3 credits -MLS 420 Clinical Immunology & Serology; 3 credits -MLS 460 Clinical Hematology; 3 credits -MLS 461 Clinical Microbiology; 3 credits	YEAR 3 - SPRING:	-MLS 430 Clinical Mycology, Parasitology, Virology; 3credits -MLS 462 Clinical Chemistry; 3credits -MLS 463 Immunohematology; 3 credits -MLS 464 Body Fluids & Hemostasis; 2credits;
YEAR 4 - FALL:	-MLS 470 Clinical Correlations; 3 credits -MLS 481 Clinical Microbiology Practicum; 2-4 credits -MLS 482 Clinical Chemistry Practicum;2- 4 credits -MLS 483 Immunohematology Practicum; 2-4 credits	YEAR 4 - SPRING:	<u>Graduate in December of Year 4</u>

Track Name: \_\_\_\_\_

YEAR 1 - FALL:	_____	YEAR 1 - SPRING:	_____
YEAR 2 - FALL :	_____	YEAR 2 - SPRING:	_____
YEAR 3 - FALL:	_____	YEAR 3 - SPRING:	_____
YEAR 4 - FALL:	_____	YEAR 4 - SPRING:	_____

Track Name: \_\_\_\_\_

YEAR 1 - FALL:	_____	YEAR 1 - SPRING:	_____
YEAR 2 - FALL :	_____	YEAR 2 - SPRING:	_____
YEAR 3 - FALL:	_____	YEAR 3 - SPRING:	_____
YEAR 4 - FALL:	_____	YEAR 4 - SPRING:	_____

TEMPLATE FOR ADDITIONAL TRACKS, SEMESTER-BY-SEMESTER PROGRAM OF STUDY  
PROPOSAL TO CHANGE UNDERGRADUATE DEGREE PROGRAM

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**MEDICAL LABORATORY SCIENCE**  
**Proposed sequence of required courses for Traditional Track**

<i>Current</i>	<i>Hours</i>	<i>Proposed</i>	<i>Hours</i>
<b>YEAR 1 – FALL</b>		<b>YEAR 1 – FALL</b>	
Composition and Communication I <sup>b</sup>	3	Composition and Communication I <sup>b</sup>	3
General College Chemistry I w/lab (CHE 105/111) <sup>a/b</sup>	5	General College Chemistry I w/lab (CHE 105/111) <sup>a/b</sup>	5
General Education <sup>c</sup>	3	General Education <sup>c</sup>	3
Principles of Biology I w/lab (BIO 148/155) <sup>a</sup>	4	Principles of Biology I w/lab (BIO 148/155) <sup>a</sup>	4
<b>Current Total, Year 1 Fall</b>	<b>15</b>	<b>Current Total, Year 1 Fall</b>	<b>15</b>
<b>YEAR 1 – SPRING</b>		<b>YEAR 1 – SPRING</b>	
Composition and Communication II <sup>b</sup>	3	Composition and Communication II <sup>b</sup>	3
MA 123 or equivalent <sup>b</sup>	3	MA 123 or equivalent <sup>b</sup>	3
General College Chemistry II w/lab (CHE 107/113) <sup>a</sup>	5	General College Chemistry II w/lab (CHE 107/113) <sup>a</sup>	5
General Education <sup>c</sup>	3	General Education <sup>c</sup>	3
<b>Current Total, Year 1 Spring</b>	<b>14</b>	<b>Current Total, Year 1 Spring</b>	<b>14</b>
<b>YEAR 2 – FALL</b>		<b>YEAR 2 – FALL</b>	
Introduction to Psychology (PSY 100) <sup>b</sup>	4	Introduction to Psychology (PSY 100) <sup>b</sup>	4
Organic Chemistry I w/lab (CHE 230/231) <sup>a</sup>	4	Organic Chemistry I w/lab (CHE 230/231) <sup>a</sup>	4
Principles of Microbiology w/lab (BIO 208/209) <sup>a</sup>	5	Principles of Microbiology w/lab (BIO 208/209) <sup>a</sup>	5
Elective	3	Elective	3
<b>Current Total, Year 2 Fall</b>	<b>16</b>	<b>Current Total, Year 2 Fall</b>	<b>16</b>

<i>Current</i>	<i>Hours</i>	<i>Proposed</i>	<i>Hours</i>
<b>YEAR 2 – SPRING</b>		<b>YEAR 2 – SPRING</b>	
Elective	3	Elective	3
Elementary Physiology (PGY 206) <sup>a</sup>	3	Elementary Physiology (PGY 206) <sup>a</sup>	3
Statistical Methods (STA 296) <sup>ab</sup>	3	Statistical Methods (STA 296) <sup>ab</sup>	3
General Education <sup>c</sup>	3	General Education <sup>c</sup>	3
General Education <sup>e</sup>	3	General Education <sup>e</sup>	3
Current Total, Year 2 Spring	15	Current Total, Year 2 Spring	15
<b>YEAR 3 – FALL</b>		<b>YEAR 3 – FALL</b>	
MLS 400 Laboratory Techniques and Phlebotomy	2	MLS 400 Laboratory Techniques and Phlebotomy	2
MLS 410 Medical Laboratory Biochemistry <sup>d</sup>	3	MLS 410 Medical Laboratory Biochemistry <sup>d</sup>	3
MLS 420 Clinical Immunology & Serology	3	MLS 420 Clinical Immunology & Serology	3
MLS 460 Clinical Hematology	3	MLS 460 Clinical Hematology	3
MLS 465 Clinical Hematology Laboratory	2	MLS 465 Clinical Hematology Laboratory	2
MLS 461 Clinical Microbiology	3	MLS 461 Clinical Microbiology	3
MLS 466 Clinical Microbiology Laboratory	2	MLS 466 Clinical Microbiology Laboratory	2
Current Total, Year 3 Fall	18	Current Total, Year 3 Fall	18
<b>YEAR 3 – SPRING</b>		<b>YEAR 3 – SPRING</b>	
MLS 430 Clinical Mycology, Parasitology, Virology <sup>d</sup>	3	MLS 430 Clinical Mycology and Parasitology <sup>d</sup>	2
MLS 462 Clinical Chemistry	3	MLS 462 Clinical Chemistry	3
MLS 467 Clinical Chemistry Laboratory	2	MLS 467 Clinical Chemistry Laboratory	2
MLS 463 Immunohematology	3	MLS 463 Immunohematology	3
MLS 468 Immunohematology Laboratory	2	MLS 468 Immunohematology Laboratory	2
MLS 464 Body Fluids & Hemostasis	2	MLS 464 Body Fluids & Hemostasis	2
MLS 469 Body Fluids & Hemostasis Laboratory	2	MLS 469 Body Fluids & Hemostasis Laboratory	2
Current Total, Year 3 Spring	17	MLS 471: Professionalism in Medical Lab Science	1
		Current Total, Year 3 Spring	17

<i>Current</i>	<i>Hours</i>	<i>Current</i>	<i>Hours</i>
<b>YEAR 3 – SUMMER SESSION 1</b>		<b>YEAR 3 – SUMMER SESSION 1</b>	
MLS 440 Molecular Techniques	3	MLS 440 Molecular Techniques	3
Current Total, Year 3 Sum.(1)	3	Current Total, Year 3 Sum.(1)	3
<b>YEAR 3 – SUMMER SESSION 2</b>		<b>YEAR 3 – SUMMER SESSION 2</b>	
MLS 450 MLS Education & Management <sup>d</sup>	3	MLS 450 MLS Education & Management <sup>d</sup>	3
MLS 480 Clinical Hematology Practicum	4	MLS 480 Clinical Hematology Practicum	4
Current Total, Year 3 Sum.(2)	7	Current Total, Year 3 Sum.(2)	7
<b>YEAR 4 – FALL</b>		<b>YEAR 4 – FALL</b>	
MLS 470 Clinical Correlations <sup>d/e</sup>	3	MLS 470 Clinical Correlations <sup>d/e</sup>	3
MLS 481 Clinical Microbiology Practicum	4	MLS 481 Clinical Microbiology Practicum	4
MLS 482 Clinical Chemistry Practicum	4	MLS 482 Clinical Chemistry Practicum	4
MLS 483 Immunohematology Practicum	4	MLS 483 Immunohematology Practicum	4
Current Total, Year 4 Fall	15	Current Total, Year 4 Fall	15
Graduate in December – no spring courses		Graduate in December – no spring courses	
<sup>a</sup> Pre-professional (pre-req.) course		<sup>a</sup> Pre-professional (pre-req.) course	
<sup>b</sup> Course satisfies General Education (Core) Area		<sup>b</sup> Course satisfies General Education (Core) Area	
<sup>c</sup> Select a course from either (1) Inquiry in the Social Sciences, (2) Inquiry in Creativity & Arts, (3) Community, Culture and Citizenship in the U.S., or (4) Global Dynamics. Students must take one course from each of the above categories in order to fulfill general education requirements.		<sup>c</sup> Select a course from either (1) Inquiry in the Social Sciences, (2) Inquiry in Creativity & Arts, (3) Community, Culture and Citizenship in the U.S., or (4) Global Dynamics. Students must take one course from each of the above categories in order to fulfill general education requirements.	
<sup>d</sup> Majority of course taught on-line		<sup>d</sup> Majority of course taught on-line	
<sup>e</sup> GWR and GCCR approved course		<sup>e</sup> GWR and GCCR approved course	



**TOTALS:**

Pre-professional course totals = 29 (CHE105/111,  
BIO148/155,CHE107/113,CHE230/231,BIO208/209,PGY206,STA296)  
Professional course totals = 60  
General Education totals = 25 (° and ° only)  
Elective = 6  
Overall Total = 120

**TOTALS:**

Pre-professional course totals = 29 (CHE105/111,  
BIO148/155,CHE107/113,CHE230/231,BIO208/209,PGY206,STA296)  
Professional course totals = 60  
General Education totals = 25 (° and ° only)  
Elective = 6  
Overall Total = 120

**MEDICAL LABORATORY SCIENCE**  
**Proposed sequence of required courses for MLT to MLS Track**

<u>Current</u>	<u>Hours</u>	<u>Proposed</u>	<u>Hours</u>
<p><u>UK General Education Core Courses</u> will be transferred in (minimum of 30 credit hours)</p> <p><u>MLS Program Pre-professional courses</u> will be transferred in (typically minimum of 22 credit hours but will vary depending upon educational institution in which courses were taken and if the course was included in general education core, e.g., college chemistry I)</p> <p><u>MLT (or CLT) Curriculum/Program</u> credit hours will vary depending upon educational institutions in which program completed, (typically minimum of 40 credit hours)</p> <p><b>Note:</b> Student in MLT to MLS track are allowed to transfer in credit hours accepted from a junior college, or other two year colleges or branches, at a maximum of 80 semester hours (approved by Senate in spring of 2014).</p>	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p><b>12</b></p>	<p><u>UK General Education Core Courses</u> will be transferred in (minimum of 30 credit hours)</p> <p><u>MLS Program Pre-professional courses</u> will be transferred in (typically minimum of 22 credit hours but will vary depending upon educational institution in which courses were taken and if the course was included in general education core, e.g., college chemistry I)</p> <p><u>MLT (or CLT) Curriculum/Program</u> credit hours will vary depending upon educational institutions in which program completed, (typically minimum of 40 credit hours)</p> <p><b>Note:</b> Student in MLT to MLS track are allowed to transfer in credit hours accepted from a junior college, or other two year colleges or branches, at a maximum of 80 semester hours (approved by Senate in spring of 2014).</p>	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p><b>12</b></p>
<p><b>YEAR 1 – FALL</b></p> <p>MLS 410 Medical Laboratory Biochemistry</p> <p>MLS 420 Clinical Immunology &amp; Serology</p> <p>MLS 460 Clinical Hematology</p> <p>MLS 461 Clinical Microbiology</p> <p>Current Total, Year 3 Fall</p>	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p><b>12</b></p>	<p><b>YEAR 1 – FALL</b></p> <p>MLS 410 Medical Laboratory Biochemistry</p> <p>MLS 420 Clinical Immunology &amp; Serology</p> <p>MLS 460 Clinical Hematology</p> <p>MLS 461 Clinical Microbiology</p> <p>Current Total, Year 3 Fall</p>	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p><b>12</b></p>

<u>Current</u>	<u>Hours</u>	<u>Proposed</u>	<u>Hours</u>
<b>YEAR 1 – SPRING</b>		<b>YEAR 1 – SPRING</b>	
MLS 430 Clinical Mycology, Parasitology, Virology	3	MLS 430 Clinical Mycology and Parasitology	2
MLS 462 Clinical Chemistry	3	MLS 462 Clinical Chemistry	3
MLS 463 Immunohematology	3	MLS 463 Immunohematology	3
MLS 464 Body Fluids & Hemostasis	2	MLS 464 Body Fluids & Hemostasis	2
Current Total, Year 3 Spring	11	MLS 471 Professionalism in Medical Lab Science	1
<b>YEAR 1 – SUMMER SESSION 1</b>		Current Total, Year 3 Spring	11
MLS 440 Molecular Techniques	3	<b>YEAR 1 – SUMMER SESSION 1</b>	
Current Total, Year 3 Sum.(1)	3	MLS 440 Molecular Techniques	3
<b>YEAR 1 – SUMMER SESSION 2</b>		Current Total, Year 3 Sum.(1)	3
MLS 450 MLS Education & Management	3	<b>YEAR 1 – SUMMER SESSION 2</b>	
MLS 480 Clinical Hematology Practicum	2-4	MLS 450 MLS Education & Management	3
Current Total, Year 3 Sum.(2)	5-7	MLS 480 Clinical Hematology Practicum	2-4
<b>YEAR 2 – FALL</b>		Current Total, Year 3 Sum.(2)	5-7
MLS 470 Clinical Correlations	3	<b>YEAR 2 – FALL</b>	
MLS 481 Clinical Microbiology Practicum	2-4	MLS 470 Clinical Correlations	3
MLS 482 Clinical Chemistry Practicum	2-4	MLS 481 Clinical Microbiology Practicum	2-4
MLS 483 Immunohematology Practicum	2-4	MLS 482 Clinical Chemistry Practicum	2-4
Current Total, Year 4 Fall	9-15	MLS 483 Immunohematology Practicum	2-4
Graduate in December – no spring courses		Current Total, Year 4 Fall	9-15
<b>TOTALS:</b>		Graduate in December – no spring courses	
General education total = minimum 30		<b>TOTALS:</b>	
Pre-professional course totals = minimum 22		General education total = minimum 30	
Professional course totals = 40-48		Pre-professional course totals = minimum 22	
Overall Total = At least 120		Professional course totals = 40-48	
		Overall Total = At least 120	