

CHANGE UNDERGRADUATE PROGRAM FORM

RECEIVED

MAR 1 2015

1. General Information

College:	Health Sciences	Department:	Medical Laboratory Sciences	OFFICE OF THE SENATE COUNCIL
Current Major Name:	Medical Laboratory Sciences	Proposed Major Name:	No change	
Current Degree Title:	Bachelor of Health Sciences	Proposed Degree Title:	No change	
Formal Option(s):	Traditional Track and MLT to MLS Track	Proposed Formal Option(s):	No change	
Specialty Field w/in Formal Option:	_____	Proposed Specialty Field w/in Formal Options:	_____	
Date of Contact with Associate Provost for Academic Administration <sup>1</sup> :				
Bulletin (yr & pgs):	2014-2015 pgs 275-276	CIP Code <sup>1</sup> :	51.1005	Today's Date:
Accrediting Agency (if applicable):	National Accrediting Agency for Clinical Laboratory Science			
Requested Effective Date:	<input type="checkbox"/> Semester following approval.	OR	<input checked="" type="checkbox"/> Specific Date <sup>2</sup> :	Fall 2015
Dept. Contact Person:	Dr. Michelle Butina	Phone:	859-218-0852	Email:
				mbu228@uky.edu

2. General Education Curriculum for this Program:

The new General Education curriculum is comprised of the equivalent of 30 credit hours of course work. There are, however, some courses that exceed 3 credits & this would result in more than 30 credits in some majors.

- There is no foreign language requirement for the new Gen Ed curriculum.
- There is no General Education Electives requirement.

Please list the courses/credit hours currently used to fulfill the University Studies/General Education curriculum: See courses below. Note: Choose 1 from list indicates that the student can select any UK approved course for that general education area. \*Previously students were advised to select any statistical inferential reasoning course to satisfy the quantitative reasoning general education area. The MLS Program is proposing that students take STA 296 as it is was recently approved as satisfying the statistical inferential reasoning requirement of the quantitative reasoning general education area.

Please identify below the suggested courses/credit hours to fulfill the General Education curriculum.

General Education Area	Course	Credit Hrs
<b>I. Intellectual Inquiry (one course in each area)</b>		
Arts and Creativity	Choose 1 from list	3
Humanities	Choose 1 from list	3
Social Sciences	PSY 100	4
Natural/Physical/Mathematical	CHE 105 & 111	5
<b>II. Composition and Communication</b>		
Composition and Communication I	CIS or WRD 110	3

<sup>1</sup> Prior to filling out this form, you MUST contact the Associate Provost for Academic Administration (APAA). If you do not know the CIP code, the (APAA) can provide you with that during the contact.

<sup>2</sup> Program changes are typically made effective for the semester following approval. No program will be made effective until all approvals are received.

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Composition and Communication II	CIS or WRD 111	3
<b>III. Quantitative Reasoning (one course in each area)</b>		
Quantitative Foundations <sup>3</sup>	<i>MA 123</i>	<u>4</u>
Statistical Inferential Reasoning	<i>*STA 296</i>	<u>3</u>
<b>IV. Citizenship (one course in each area)</b>		
Community, Culture and Citizenship in the USA	<i>Choose 1 from list</i>	<u>3</u>
Global Dynamics	<i>Choose 1 from list</i>	<u>3</u>
<b>Total General Education Hours</b>		<u>34</u>

3. Explain whether the proposed changes to the program (as described in sections 4 to 12) involve courses offered by another department/program. **Routing Signature Log must include approval by faculty of additional department(s).**

The proposed change is required due to changes being implemented by the College of Arts and Sciences. The College of Arts and Sciences is eliminating STA 291 and replacing it with STA 296.

4. Explain how satisfaction of the University Graduation Writing Requirement will be changed.

<b>Current</b> <input type="checkbox"/> Standard University course offering. List: _____	<b>Proposed</b> <input type="checkbox"/> Standard University course offering. List: _____
<input checked="" type="checkbox"/> Specific course – list: <u>GWR MLS 470; GCCR MLS 463 and MLS 470</u>	<input checked="" type="checkbox"/> Specific course) – list: <u>GRW no change. GCCR no change.</u>

5. List any changes to college-level requirements that must be satisfied.

<b>Current</b> <input type="checkbox"/> Standard college requirement. List: _____	<b>Proposed</b> <input type="checkbox"/> Standard college requirement. List: _____
<input type="checkbox"/> Specific required course – list: _____	<input type="checkbox"/> Specific course – list: _____

6. List pre-major or pre-professional course requirements that will change, including credit hours.

<b>Current</b> <u>STA 291, 3 credit hours</u>	<b>Proposed</b> <u>STA 296, 3 credit hours</u>
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7. List the major's course requirements that will change, including credit hours.

<b>Current</b> <u>No change</u>	<b>Proposed</b> <u>No change</u>
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8. Does the pgm require a minor AND does the proposed change affect the required minor?  N/A  Yes  No  
 If "Yes," indicate current courses and proposed changes below.

<b>Current</b> _____	<b>Proposed</b> _____
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9. Does the proposed change affect any option(s)?  N/A  Yes  No

<sup>3</sup> Note that MA 109 is NOT approved as a Quantitative Foundations course. Students in a major requiring calculus will use a calculus course (MA 113, 123, 137 or 138) while students not requiring calculus should take MA 111, PHI 120 or another approved course.

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If "Yes," indicate current courses and proposed changes below, including credit hours, and also specialties and subspecialties, if any.

Current	Proposed

**10. Does the change affect pgm requirements for number of credit hrs outside the major subject in a related field?**  Yes  No

If so, indicate current courses and proposed changes below.

Current	Proposed

**11. Does the change affect pgm requirements for technical or professional support electives?**  Yes  No

If so, indicate current courses and proposed changes below.

Current	Proposed

**12. Does the change affect a minimum number of free credit hours or support electives?**  Yes  No

If "Yes," indicate current courses and proposed changes below.

Current	Proposed
Statistical inferential reasoning, choose 1 from the list of courses available (3 credit hours) and STA 291 (3 credit hours). Total of 6 credits hours currently taken.	STA 296 (3 credit hours). Total of 3 credit hours proposed. Students will have an extra 3 credit hours for elective courses.

**13. Summary of changes in required credit hours:**

	Current	Proposed
a. Credit Hours of Premajor or Preprofessional Courses:	24	21
b. Credit Hours of Major's Requirements:	60	60
c. Credit Hours for Required Minor:		
d. Credit Hours Needed for a Specific Option:		
e. Credit Hours Outside of Major Subject in Related Field:		
f. Credit Hours in Technical or Professional Support Electives:		
g. Minimum Credit Hours of Free/Supportive Electives:	3	6
h. Total Credit Hours Required by Level:	100:	
	200:	
	300:	
	400-500:	
i. Total Credit Hours Required for Graduation:	121	121

**14. Rationale for Change(s) –** If rationale involves accreditation requirements, please include specific references to that.

The proposed change is to replace the statistical inferential reasoning course (currently students select once course from the approved list) and the pre-professional course STA 291 (currently required) with STA 296.

## CHANGE UNDERGRADUATE PROGRAM FORM

Previously, MLS students were advised to take any course that satisfied the statistical inferential reasoning requirement and STA 291 as a pre-professional course (as it was not approved as a general education core course) thus MLS students were taking two (3-credit hour) statistic courses. The College of Arts and Sciences plans to eliminate STA 291 and in its place is recommending that students take STA 296. The MLS Program proposes to replace the pre-professional course STA 291 with STA 296 (as recommended) which is also approved as a general education core course meeting the statistical inferential reasoning requirement. Thus MLS students will now only need to take one statistics course (STA 296) which will satisfy both the pre-professional requirement and the statistical inferential reasoning requirement.

See attached comparison of current and proposed courses and credit hours.

15. List below the typical semester by semester program for the major. If multiple options are available, attach a separate sheet for each option.

YEAR 1 – FALL: (e.g. "BIO 103; 3 credits")	<u>Composition and Communication I (3)</u> <u>CHE 105 (4)</u> <u>CHE 111 (1)</u> <u>General Education course (3)</u> <u>BIO 148 (3)</u> <u>BIO 155 (1)</u>	YEAR 1 – SPRING:	<u>Composition and Communication II (3)</u> <u>MA 123 (4)</u> <u>CHE 107 (3)</u> <u>CHE 113 (2)</u> <u>General Education course (3)</u>
YEAR 2 - FALL :	<u>PSY 100 (4)</u> <u>CHE 230 (3)</u> <u>CHE 231 (1)</u> <u>BIO 208 (3)</u> <u>BIO 209 (2)</u> <u>Elective (3)</u>	YEAR 2 – SPRING:	<u>STA 296 (3)</u> <u>PGY 206 (3)</u> <u>General Education (3)</u> <u>General Education (3)</u> <u>Elective (3)</u>
YEAR 3 - FALL:	<u>MLS 400 (2)</u> <u>MLS 410 (3)</u> <u>MLS 420 (3)</u> <u>MLS 460 (3)</u> <u>MLS 461 (3)</u> <u>MLS 465 (2)</u> <u>MLS 466 (2)</u>	YEAR 3 - SPRING:	<u>MLS 430 (3)</u> <u>MLS 462 (3)</u> <u>MLS 463 (3)</u> <u>MLS 464 (2)</u> <u>MLS 467 (2)</u> <u>MLS 468 (2)</u> <u>MLS469 (2)</u>  <u>Summer I:</u> <u>MLS 440 (3)</u>  <u>Summer II:</u> <u>MLS 450 (3)</u> <u>MLS 480 (4)</u>
YEAR 4 - FALL:	<u>MLS 470 (3)</u> <u>MLS 481 (4)</u> <u>MLS 482 (4)</u> <u>MLS 483 (4)</u>	YEAR 4 - SPRING:	<u>Graduate in December. No spring courses.</u>

**CHANGE UNDERGRADUATE PROGRAM FORM**

**Signature Routing Log**

**General Information:**

Current Degree Title and Major Name: BHS with a major in Medical Laboratory Science

Proposal Contact Person Name: Dr. Michelle Butina Phone: 859-218-0852 Email: mbu228@uky.edu

**INSTRUCTIONS:**

Identify the groups or individuals reviewing the proposal; note the date of approval; offer a contact person for each entry; and obtain signature of person authorized to report approval.

**Internal College Approvals and Course Cross-listing Approvals:**

Reviewing Group	Date Approved	Contact Person (name/phone/email)	Signature
MLS Faculty	2/2/15	Dr. Michelle Butina / 218-0852 / mbu228@uky.edu	<i>Michelle Butina</i>
Clinical Sciences Department	2/2/15	Dr. Phyllis Nash / 218-0490 / pnash@uky.edu	<i>Phyllis Nash</i> <i>via SRS</i>
CHS Interim Dean	2/2/15	Dr. Sharon Stewart / 218-0480 / srstew01@uky.edu	<i>Sharon Stewart</i>
CHS Academic Affairs Committee	2/19/15	Dr. Travis Thomas / 218-0863 / david.t.thomas@uky.edu	<i>Travis Thomas</i>
		/ /	

**External-to-College Approvals:**

Council	Date Approved	Signature	Approval of Revision <sup>4</sup>
Undergraduate Council	3/31/15	Joanie Ett-Mims	
Graduate Council			
Health Care Colleges Council			
Senate Council Approval		University Senate Approval	

**Comments:**

<sup>4</sup> Councils use this space to indicate approval of revisions made subsequent to that council's approval, if deemed necessary by the revising council.

## MEDICAL LABORATORY SCIENCE

### CURRENT REQUIRED COURSES

#### UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity	
Choose one course from approved list .....	3
II. Intellectual Inquiry in the Humanities	
Choose one course from approved list .....	3
III. Intellectual Inquiry in the Social Sciences	
PSY 100 Introduction to Psychology .....	4
IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences	
CHE 105 General College Chemistry I .....	4
CHE 111 Laboratory to Accompany General Chemistry I .....	1
V. Composition and Communication I	
CIS/WRD 110 Composition and Communication I .....	3
VI. Composition and Communication II	
CIS/WRD 111 Composition and Communication II .....	3
VII. Quantitative Foundations	
MA 123 Elementary Calculus and Its Applications .....	4
VIII. Statistical Inferential Reasoning	
Choose one course from approved list .....	3
IX. Community, Culture and Citizenship in the USA	
Choose one course from approved list .....	3
X. Global Dynamics	
Choose one course from approved list .....	3
Subtotal: UK Core hours.....	34

### PROPOSED REQUIRED COURSES

#### UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity	
Choose one course from approved list .....	3
II. Intellectual Inquiry in the Humanities	
Choose one course from approved list .....	3
III. Intellectual Inquiry in the Social Sciences	
PSY 100 Introduction to Psychology .....	4
IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences	
CHE 105 General College Chemistry I .....	4
CHE 111 Laboratory to Accompany General Chemistry I .....	1
V. Composition and Communication I	
CIS/WRD 110 Composition and Communication I .....	3
VI. Composition and Communication II	
CIS/WRD 111 Composition and Communication II .....	3
VII. Quantitative Foundations	
MA 123 Elementary Calculus and Its Applications .....	4
VIII. Statistical Inferential Reasoning	
STA 296 .....	3
IX. Community, Culture and Citizenship in the USA	
Choose one course from approved list .....	3
X. Global Dynamics	
Choose one course from approved list .....	3
Subtotal: UK Core hours.....	34

**CURRENT REQUIRED COURSES**

**Graduation Composition and Communication Requirement  
(GCCCR)**

MLS 463 Immunohematology.....	3
MLS 470 Clinical Correlations .....	3
Graduation Composition and Communication Requirement hours (GCCCR).....	6

**Preprofessional Course Requirements**

CHE 107 General College Chemistry II .....	3
CHE 113 Laboratory to Accompany General Chemistry II .....	2
BIO 208 Principles of Microbiology .....	3
BIO 209 Principles of Microbiology Laboratory .....	2
PGY 206 Elementary Physiology .....	3
BIO 148 Introductory Biology I or BIO 152 Principles of Biology II .....	3
BIO 155 Laboratory for Introductory Biology I .....	1
CHE 230 Organic Chemistry I .....	3
CHE 231 Organic Chemistry Laboratory I .....	1
STA 291 Statistical Methods .....	3
<b>Subtotal: Premajor Course hours.....</b>	<b>24</b>

**PROPOSED REQUIRED COURSES**

**Graduation Composition and Communication Requirement  
(GCCCR)**

MLS 463 Immunohematology.....	3
MLS 470 Clinical Correlations .....	3
Graduation Composition and Communication Requirement hours (GCCCR).....	6

**Preprofessional Course Requirements**

CHE 107 General College Chemistry II .....	3
CHE 113 Laboratory to Accompany General Chemistry II .....	2
BIO 208 Principles of Microbiology .....	3
BIO 209 Principles of Microbiology Laboratory .....	2
PGY 206 Elementary Physiology .....	3
BIO 148 Introductory Biology I or BIO 152 Principles of Biology II .....	3
BIO 155 Laboratory for Introductory Biology I .....	1
CHE 230 Organic Chemistry I .....	3
CHE 231 Organic Chemistry Laboratory I .....	1
STA 296 (taken as UK core requirement)	
<b>Subtotal: Premajor Course hours.....</b>	<b>21</b>

**CURRENT REQUIRED COURSES**

**Professional Course Requirements**

MLS 400 Laboratory Techniques and Phlebotomy .....	2
MLS 410 Medical Laboratory Biochemistry .....	3
MLS 420 Clinical Immunology and Serology .....	3
MLS 430 Clinical Mycology, Parasitology, and Virology .....	3
MLS 440 Molecular Techniques .....	3
MLS 450 MLS Education and Management .....	3
MLS 460 Clinical Hematology .....	3
MLS 465 Clinical Hematology Laboratory .....	2
MLS 461 Clinical Microbiology .....	3
MLS 466 Clinical Microbiology Laboratory .....	2
MLS 462 Clinical Chemistry .....	3
MLS 467 Clinical Chemistry Laboratory .....	2
MLS 463 Immunohematology .....	3
MLS 468 Immunohematology Laboratory .....	2
MLS 464 Body Fluids and Hemostasis .....	2
MLS 469 Body Fluids and Hemostasis Laboratory .....	2
MLS 470 Clinical Correlations .....	3
MLS 480 Clinical Hematology Practicum .....	4
MLS 481 Clinical Microbiology Practicum .....	4
MLS 482 Clinical Chemistry Practicum .....	4
MLS 483 Immunohematology Practicum .....	4
Subtotal: Professional Course hours .....	60

**Electives**

Select any course.....3

**TOTAL CREDIT HOURS.....121**

**PROPOSED REQUIRED COURSES**

**Professional Course Requirements**

MLS 400 Laboratory Techniques and Phlebotomy .....	2
MLS 410 Medical Laboratory Biochemistry .....	3
MLS 420 Clinical Immunology and Serology .....	3
MLS 430 Clinical Mycology, Parasitology, and Virology .....	3
MLS 440 Molecular Techniques .....	3
MLS 450 MLS Education and Management .....	3
MLS 460 Clinical Hematology .....	3
MLS 465 Clinical Hematology Laboratory .....	2
MLS 461 Clinical Microbiology .....	3
MLS 466 Clinical Microbiology Laboratory .....	2
MLS 462 Clinical Chemistry .....	3
MLS 467 Clinical Chemistry Laboratory .....	2
MLS 463 Immunohematology .....	3
MLS 468 Immunohematology Laboratory .....	2
MLS 464 Body Fluids and Hemostasis .....	2
MLS 469 Body Fluids and Hemostasis Laboratory .....	2
MLS 470 Clinical Correlations .....	3
MLS 480 Clinical Hematology Practicum .....	4
MLS 481 Clinical Microbiology Practicum .....	4
MLS 482 Clinical Chemistry Practicum .....	4
MLS 483 Immunohematology Practicum .....	4
Subtotal: Professional Course hours .....	60

**Electives**

Select any course(s).....6

**TOTAL CREDIT HOURS.....121**



**Ellis, Janie**

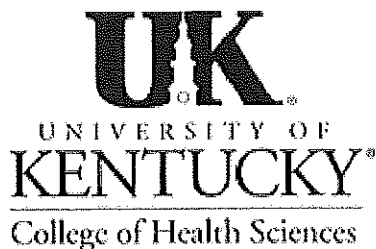
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**From:** Stewart, Sharon R  
**Sent:** Sunday, March 01, 2015 1:12 PM  
**To:** Ellis, Janie; Badger, Karen  
**Subject:** MLS Program Change Request  
**Attachments:** MLS UG program form signed TT 2.19.15.pdf

Attached please find a program change request form for the undergraduate Medical Laboratory Science program, Clinical Sciences Department, College of Health Sciences. The change has been vetted appropriately in the college and is now ready for consideration by Undergraduate Council.

Thank you.  
Sharon Stewart

Sharon R. Stewart, EdD  
Associate Dean and Professor  
University of Kentucky College of Health Sciences  
Charles T. Wethington, Jr. Building, Room 123  
Lexington, KY 40536-0200  
(859) 218-0570  
[srstew01@uky.edu](mailto:srstew01@uky.edu)



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University Appeals Board (need 12 faculty nominees)

→ Can be any faculty member (every rank and title series can serve).

University IT Coordinating Committee (need 6 faculty nominees)

→ Can be any faculty member (every rank and title series can serve).

Academic Computing Committee (need 2 faculty nominees)

→ Can be any faculty member (every rank and title series can serve).

You may also submit nominations (including self-nominations) for administrative committees, many of which are listed at <http://www.uky.edu/regs/files/committees/2014-2015%20Work%20Copy%2001.12.15%20%28website%29.pdf>.

There are no specific rank/title series requirements for administrative committees.

Thank you,  
Sheila

*Sheila Brothers*  
Staff Representative to the Board of Trustees  
*Office of the Senate Council*  
203E Main Building, -0032  
Phone (859) 257-5872  
<http://www.uky.edu/faculty/senate>

# MEMO

February 11<sup>th</sup>, 2015

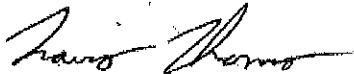
**TO:** Sharon R. Stewart, Ed.D. Interim Dean and Professor  
**FROM:** Travis Thomas – Chair of Academic Affairs  
**RE:** Academic Affairs review of MLS program change proposal

Dear Dr. Stewart,

The Academic Affairs (AA) Committee has reviewed the proposed MLS program change involving a change in statistics course numbering. The AA Committee recommends approval of the requested program change.

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, RD, CSSD, *Chair – CHS Academic Affairs Committee (2014-15)*

March 01, 2015

I support this change. It has been vetted by the MLS program, approved by the Department, and recommended for approval by the CHS Academic Affairs Committee.



Digitally signed by Sharon Stewart  
DN: cn=Sharon Stewart, o=University of  
Kentucky, ou=College of Health Sciences,  
email=srstew01@uk.yedu, c=US  
Date: 2015.03.01 13:08:04 -05'00'

Sharon Stewart, Associate Dean for Academic Affairs

MEMORANDUM

TO: Phyllis Nash, Clinical Sciences Department Chair

FR: Michelle Butina, Medical Laboratory Science Program Director

RE: Request for program change due to change in statistics course numbering

DATE: February 2, 2015

The Medical Laboratory Science Program (MLS) is requesting the following changes due to Department of Statistics impending elimination of STA 291 and the implementation of UK Core-certified STA 296 in its place.

Currently, MLS students must complete two statistics courses before entering the MLS Program. Pre-MLS students are required to complete: 1) any course that meets the statistical inferential reasoning requirement of the Quantitative Reasoning area of the UK general education curriculum, 2) and a program pre-professional course STA 291. Since the Department of Statistics has replaced STA 291 with STA 296, which is approved as a meeting the statistical inferential reasoning requirement, MLS students now only need to complete one statistics (STA 296) course before entering the MLS Program.

This will allow for three additional credit hours of electives for MLS students. The total credit hours for the program and degree are not affected.