

TO : Full-Service Faculty, Administrators, and Student Government  
FROM: Virginia Phillips, Secretary of the Senate  
RE : SENATE MEETING  
March 3, 1978, Schwebel Auditorium  
4:00 p.m.

February 20, 1978

AGENDA

1. Call to Order
2. Approval of Minutes of previous meeting, February 3, 1978
3. Report of the Charter and Bylaws Committee
4. Report of the Executive Committee
5. Report of the Elections and Balloting Committee
6. Reports of other Senate Committees
  - 778-12 Academic Affairs Committee - Catalog Change, Page 45
  - 778-13 Academic Affairs Committee - Emergency Technology Program
  - 778-14 Academic Affairs Committee - Earth Science Major
  - 778-15 Academic Affairs Committee - Medical Laboratory Technology Program
7. Unfinished Business
8. New Business
9. Adjournment

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FEB 15 1978

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

BUSINESS EDUCATION  
AND TECHNOLOGY

Date 2-10-78

Report Number (For Senate Use Only)

778-12

Name of Committee Submitting Report Academic Affairs Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) \_\_\_\_\_

Appointed Chartered

Names of Committee members: Vice President Edgar, Dean Scriven, professors Kougl, Khawaja, Hill, Quinby, Richley, Shuster, Skarote, Vogel; Mr. Padisak

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) The committee recommends a change in the section, Prerequisites on page 45 of the current catalog.

Do you anticipate making a formal motion relative to the report? Yes

If so, state the motion: Move that the attached recommended change under Prerequisites on page 45 of the current catalog be approved.

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? This depends on the nature of the changes.

Other relevant data: \_\_\_\_\_



Chairman (please initial)

Proposed change in policy:

Current catalog entry under Prerequisites on page 45.

"No student may receive credit for a course that is a prerequisite for a more advanced course which the student has already successfully completed."

Proposed change:

"No student may receive credit for a course that is a prerequisite for a more advanced course which the student has already successfully completed unless an exception to this policy is recommended by the appropriate chairperson and approved in writing by the student's academic dean."

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COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

BUSINESS AND

Date 2-13-78

Report Number (For Senate Use Only)

778-13

Name of Committee Submitting Report Academic Affairs Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.)

Appointed Chartered

Names of Committee members: Vice President Edgar, Dean Scriven, professors Hill, Khawaja, Koughl, Quinby, Richley, Shuster, Skarote, Vogel; Mr. Padisak

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) The committee recommends approval of the attached Emergency Medical Technology Program.

Do you anticipate making a formal motion relative to the report? Yes

If so, state the motion: To approve the Emergency Medical Technology Program

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? Yes

Other relevant data: \_\_\_\_\_



Chairman (please initial)

Summary and Classification of Courses in  
Emergency Medical Technology

FIRST YEAR		Clock Hours				Credit Non- Tech	Tech	Total Credit Hrs.
		Lec	Lab	Clinic	Basic			
Fall Quarter								
EMT 501	Basic Emergency Victim Care	3					3	3
EMT 501L	Basic Emergency Victim Care Lab		6				2	2
EMT 502	Emergency Medical Technology Orientation	4					4	4
HPE 601	First Aid and Personal Safety	3					3	3
BIO 551	Physiology and Anatomy of Man I	3	3		4			4
		<u>13</u>	<u>9</u>		<u>4</u>		<u>12</u>	<u>16</u>
Level I EMT-A								
Winter Quarter								
EMT 510	Emergency Medical Conditions I	3					3	3
EMT 511	Emergency Medical Techniques I	3					3	3
EMT 511L	Emergency Medical Techniques Laboratory I		3	4			2	2
EMT 512	Rescue Squad Experience			8			2	2
CHEM 502	Chemistry 502	3	3		4			4
BIO 552	Physiology and Anatomy of Man II	3	3		4			4
		<u>12</u>	<u>9</u>	<u>12</u>	<u>8</u>		<u>10</u>	<u>18</u>
Spring Quarter								
EMT 520	Emergency Medical Condition II	4					4	4
EMT 521	Emergency Medical Techniques II	2					3	3
EMT 521L	Emergency Medical Techniques Laboratory II		3	4			2	2
EMT 523	Communications Systems and Defen- sive Driving	2					2	2
EMT 523L	Communications Systems and Defen- sive Driving Laboratory		3				1	1
MA 605	Pharmacology	4			4			4
		<u>12</u>	<u>6</u>	<u>4</u>	<u>4</u>		<u>12</u>	<u>16</u>
Summer Quarter								
EMT 600	Emergency Vehicle Experience			16			4	4
PSYCH 560	General Psychology	4					4	4
		<u>4</u>		<u>16</u>			<u>4</u>	<u>8</u>
Level II EMT-P								

## SECOND YEAR

		Clock Hours				Credit	Total	
		<u>Lec</u>	<u>Lab</u>	<u>Clinic</u>	<u>Basic</u>	Non- <u>Tech</u>	<u>Tech</u>	Credit <u>Hrs.</u>
Fall Quarter								
EMT 601	Advanced Emergency Conditions I	3					3	3
EMT 602	EMT-P Clinical Experience I			12			3	3
EMT 522	Rescue and Rappelling	2					2	2
EMT 522L	Rescue and Rappelling Laboratory		3				1	1
ENGL 550	Basic Composition I	4				4		4
PSYCH 702	Abnormal Psychology	4				4		4
		<u>13</u>	<u>3</u>	<u>12</u>		<u>8</u>	<u>9</u>	<u>17</u>
Winter Quarter								
EMT 610	Advanced Emergency Conditions II	3					3	3
EMT 611	EMT-P Clinical Experience II			12			3	3
POLSC 600	Elements of Politics	3			3			3
SOC 500	Fundamentals of Sociology	4				4		4
GEOG 731	Geographical Aspects of City & Regional Planning	4			4			4
		<u>14</u>		<u>12</u>	<u>7</u>	<u>4</u>	<u>6</u>	<u>17</u>
Spring Quarter								
EMT 620	Leadership of Paramedic Technology	1		4			2	2
HPE 630R	Life Saving Techniques		3				3	3
MANG 725	Fundamentals of Management	4			4			4
SPCH 550	Principles of Speech	4				4		4
PUBR 710	Basic Public Relations	3				3		3
		<u>12</u>	<u>3</u>	<u>4</u>	<u>4</u>	<u>7</u>	<u>5</u>	<u>16</u>
Level III Associate Degree								
GRAND TOTAL		80	30	60	27	23	58	108

ASSOCIATE IN APPLIED SCIENCE PROGRAM IN EMERGENCY MEDICAL TECHNOLOGY

The Allied Health Department of Youngstown State University proposes to offer a two-year program in Emergency Medical Technology. The information supplied is a condensed version of a proposal to be prepared for the Ohio Board of Regents and the Paramedical Advisory Committee. The program will go into effect the Fall Quarter of the 1978-79 academic year.

I. THE PROPOSAL

It is proposed that a two-year program leading to the degree Associate in Applied Science be established in

EMERGENCY MEDICAL TECHNOLOGY

Similar programs are offered by Hocking Technical College, Ohio State University and Cuyahoga Community College.

II. THE PROPOSED CURRICULUM

The proposed program meets university requirements and the Ohio Board of Regents standards for associate degree programs. It also meets standards for Emergency Medical Technician-Paramedic programs as set by the Board of Regents, which is responsible for accrediting such programs in Ohio. The program has the objective of preparing the student for National Certification as Emergency Medical Technician-Paramedic, who, under the supervision of physician's directions/orders, will administer emergency care and medication and operate equipment for patients with emergency needs and injuries. This will be done in public or private hospitals or with ambulance or emergency vehicles. Twenty new courses are required to be approved.

III. PROGRAM ADMINISTRATION

The proposed program will be administered by the Allied Health Department of the College of Applied Science and Technology which is responsible for technical education programs in the health related areas. This same administrative structure is employed in other schools offering this program.

IV. PROGRAM JUSTIFICATION

Justification is based on the need to respond to 1) community needs for such a program as expressed by area hospital administrators and personnel, through an advisory committee and surveys conducted by the Mahoning and Shenango Area Health Education Network 2) the high level expressed by students in the high schools through school counselors by means of a survey conducted by them 3) the high level of interest expressed by students from YSU student body and students of other colleges through a large number of inquiries received weekly by the Allied Health Department (the only similar such college program in a radius of 50 miles is in Cleveland) 4) further evidence of need is the demand for certified Emergency Medical Technician-Paramedic, by such pressures as the following:

A. On-the-job training no longer meets state and national standards so the supply of personnel will gradually decrease.

B. Emergency Medical Technology is now subject to the stringent standards of the United States Department of Transportation which call for high professional standards for all personnel, careful documentation and record-keeping and vastly improved in-service training.

C. A technological explosion has led to a tremendous increase in sophisticated equipment, techniques, and services.

D. As a greater part of our population live into old age, and federal and state standards become more explicit, it appears inevitable that Emergency Medical Services will be required to provide more services.

E. The very life of the critically injured and ill may depend upon where he is stricken, and the time of day or night, who answers his call for help and where and how he is taken for care. The current response mechanism constitutes an incomplete system for movement and treatment of the patient, and in some instances may consist of only a series of improvisations. The existing system is inadequate to meet the needs of the critically ill and injured. This is a matter of major concern throughout the region.

#### V. PROSPECTIVE ENROLLMENT

Hospitals within a four-county area--Mahoning, Trumbull, Columbiana, and Ashtabula--have indicated a desire to affiliate and provide the necessary clinical training for students in the program. Fire departments and area ambulance services have indicated a very strong interest in the program by expressing a desire to affiliate as an on-the-scene training facility, and also by requiring their employees to have the required education to gain certification as an EMT-P. Standards for student/instructor ratio have been set at five to one in the laboratory setting and two to one in the clinical setting, thus the anticipated enrollment for the Fall Quarter would be limited to twenty students.

#### VI. REQUIRED RESOURCES

The necessary resources for implementation of the new program already exist. The didactic and laboratory phase will take place in the CAST Building and the clinical in each of the affiliated hospitals and certified emergency vehicles. A certified EMT-P with the appropriate educational status will need to be hired. The registered and certified clinical personnel already employed at each hospital will conduct the clinical courses. It will require that twenty new courses be approved for this program.

#### VII. SUMMARY AND CLASSIFICATION OF CURRICULUM

The proposed Emergency Medical Technology curriculum is summarized on the following pages. A breakdown of the curriculum showing the classification of each course is also given.



The curriculum is designed to:

- 1) satisfy and exceed the minimum essential requirements by United States Department of Transportation for EMT-P.
- 2) conform to the associate degree program requirements of the Youngstown State University and the Ohio Board of Regents.

## EMERGENCY MEDICAL TECHNOLOGY

## COURSE DESCRIPTIONS

EMT 501. Basic Emergency Victim Care. A study of various medical injuries and illness encountered in emergency situations. Must be taken concurrently with EMT 502 and Biology 551. 3 q.h.

EMT 501L. Basic Emergency Victim Care Laboratory. Laboratory experiences are used to teach assessment and treatment techniques. Includes a practicum in a hospital equipped with ambulance service necessary for observation and training. Six hours laboratory. 2 q.h.

EMT 502. Emergency Medical Technology Orientation. Introduction to the duties, legal and ethical responsibilities, and job opportunities for Emergency Medical Technicians. Emphasis is on the individual's relationship with the patient, community, and co-workers. Must be taken concurrently with EMT 501 and Biology 551. 4 q.h.

EMT 510. Emergency Medical Conditions I. Continuation of EMT 501. A study of the most common medical emergencies normally encountered including an emphasis on pathophysiology and etiology. Prerequisite: EMT 501, EMT 502 and Biol 551. Must be taken concurrently with EMT 511. 3 q.h.

EMT 511. Emergency Medical Techniques I. A study of techniques necessary to treat emergency conditions introduced in EMT 510. Must be taken concurrently with EMT 510. Prerequisite: Biology 551. 3 q.h.

EMT 511L. Emergency Medical Techniques Laboratory I. Laboratory includes simulated emergency situations and an actual hospital setting with ambulance service. Three hour laboratory. Four hour clinical. Must be taken concurrently with EMT 511. 2 q.h.

EMT 512. Rescue Squad Experience. Clinical experience with an approved Rescue Squad under the supervision of trained EMT Personnel. Completion of 10 emergency runs is required. Eight hours clinical per week. Prerequisite: Biol 551.  
2 q.h.

EMT 520. Emergency Medical Condition II. A study of intense emergency coronary and respiratory care including artery disease, myocardial infarction, angina pectoris, congestive heart failure, and pulmonary dysfunction. The course deals with pathophysiology and symptomatology of these conditions. Four hour lecture. Prerequisite: EMT 510. To be taken concurrently with EMT 521.  
4 q.h.

EMT 521. Emergency Medical Techniques II. A study of techniques required to treat coronary and respiratory conditions. To be taken concurrently with EMT 520.  
3 q.h.

EMT 521L. Emergency Medical Techniques Laboratory II. Laboratory includes simulated emergency situations of coronary and respiratory problems and clinical experiences with ambulance service. Three hour laboratory. Four hour clinical.  
2 q.h.

EMT 522. Rescue and Rappelling. A course covering the principles of extrication and patient handling.  
2 q.h.

EMT 522L. Rescue and Rappelling Laboratory. Laboratory includes experience with light rescue equipment appropriate for a variety of crisis situations. Three hour laboratory.  
1 q.h.

EMT 523. Communications Systems and Defensive Driving. A study of regulations, limitations and maintenance of communications systems. Also principles of defensive driving, particularly for ambulance operating under emergency conditions, are considered.  
2 q.h.

EMT 523L. Communication Systems and Defensive Driving. Practice in utilization of various communication systems and demonstration of defensive driving techniques in emergency vehicles. Three laboratory hours. 1 q.h.

EMT 600. Emergency Vehicle Experience. A practical experience with an emergency vehicle squad to observe and perform emergency duties under supervision. Prerequisite: EMT 520. Sixteen clinical hours per week; one hour seminar. 4 q.h.

EMT 601. Advanced Emergency Conditions I. Course explores the treatment response to severely emergent medical conditions with emphasis on assessment, monitoring and life-supporting procedures. Prerequisite: EMT 520. To be taken concurrently with EMT 602. 3 q.h.

EMT 602. EMT-P Clinical Experience I. Clinical experiences in hospital facilities, and emergency vehicles emphasizing severely emergent medical conditions. Twelve clinical hours per week. To be taken concurrently with EMT 601. 3 q.h.

EMT 610. Advanced Emergency Conditions II. Lecture course exploring the treatment response to severely emergent surgical conditions with emphasis on assessment, monitoring and life-supporting procedures. Prerequisite: EMT 611. 3 q.h.

EMT 611. EMT-P Clinical Experience II. Clinical experiences in hospital facilities and emergency vehicles emphasizing severely emergent surgical conditions. Twelve clinical hours per week. To be taken concurrently with EMT 610. 3 q.h.

EMT 620. Leadership of Paramedical Technology. A practical experience performing clinical and administrative duties under supervision with a rescue squad. One hour seminar; four clinical hours per week. Prerequisite: EMT 610. 2 q.h.

Approved  
C.A.S.T. ACADEMIC  
AFFAIRS - 11-21-77  
Henry J. Pilska

23 Nov 77  
Approved  
Parasha  
Dean, CAST

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date 2-17-78

Report Number (For Senate Use Only) 778-14

Name of Committee Submitting Report Academic Affairs Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) \_\_\_\_\_

Appointed Chartered

Names of Committee members: Vice President Edgar, Dean Scriven, professors Hill, Khawaja, Kougl, Quinby, Richley, Shuster, Skarote, Vogel; Mr. Padisak

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) Recommendation of approval of revision of the Earth Science major

Do you anticipate making a formal motion relative to the report? yes

If so, state the motion: Approval of revision of the Earth Science major

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? Yes

Other relevant data: \_\_\_\_\_



Chairman (please initial)

## INTER-OFFICE CORRESPONDENCE

**TO** Dean, Arts & Science, Arts & Science Curriculum **DATE** 11/30/77  
and Academic Affairs Committee

**FROM** I. Khawaja, Chairman, Geology

**SUBJECT** Earth Science Program

The department of Geology recommends a change in requirements for the Earth Science major. This recommendation attempts to achieve two main objectives: 1) allows the student a greater flexibility of choice in courses and 2) makes the program conform more closely with the regulations governing teacher education and certification. The recommendation is to reduce by 15 quarter hours the required courses and to increase the electives by 14 quarter hours.

Dean Yozwiak, Arts &amp; Science

11/28/77

## I. Khawaja, Chairman, Geology

## Earth Science Curriculum

The Department of Geology recommends the following as the courses for the Earth Science major.

An Earth Science major consists of a minimum of 70 q.h. of science courses distributed as follows:

- a) 50 quarter hours of required courses,
- b) a minimum of 9 quarter hours from at least two courses from Geology Electives, and
- c) a minimum of 11 quarter hours from Science Electives.

Required

Astronomy	504 Descriptive Astronomy	4
Astronomy	608 Moon and Planets	4
Chemistry	515 General Chemistry I	4
Geography	625 General Meteorology	4
Geology	505 Physical Geology	4
Geology	506 Historical Geology	4
Geology	602 Intro. to Oceanography	4
Geology	604 Megascopic Petrography	6
Geology	607 Geology Laboratory	4
Geology	701 Geomorphology	6
Geology	705 Prin. of Paleontology	6

Geology Electives

702	Glacial Geology	5
703	Physiography of U.S.	6
704	Structural Geology	5
706	Geology of Economic Mineral Deposits	5
801	Mineralogy	6
802	Stratigraphy and Sedimentation	5
811	Environmental Geology	4
and	a 700 or 800 level accredited field geology course	3-8

Science Electives

Biology	508*Prin. of Biology III	4
Biology	506 Prin. of Biology I	4
Biology	507 Prin. of Biology II	4
Chemistry	516 General Chemistry II	4
Geography	603 Conservation of Natural Resources	4
Geology	707 Applied Geophysics	4
Mathematics	714 Probability of Statistics	5
Physics	501 Fundamentals of Physics I	4
Physics	502 Fundamentals of Physics II	3
Physics	503 Fundamentals of Physics III	3
Physics	502L Fundamentals of Physics Lab II	1
Physics	503L Fundamentals of Physics Lab III	1

\*Recommended



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Date 2-17-78

Report Number (For Senate Use Only)

778-15

Name of Committee Submitting Report Academic Affairs Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) \_\_\_\_\_

Appointed Chartered

Names of Committee members: Vice President Edgar, Dean Scriven, professors Hill, Khawaja, Kougl, Quinby, Richley, Shuster, Skarote, Vogel; Mr. Padisak

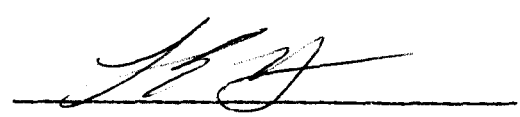
Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report) Recommendation of approval of the Medical Laboratory Technology Program

Do you anticipate making a formal motion relative to the report? Yes

If so, state the motion: Approval of the Medical Laboratory Technology Program

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? Yes

Other relevant data: \_\_\_\_\_



Chairman (please initial)

Revised M. 2/12/78

Feb 15-78<sub>17</sub>

ASSOCIATE IN APPLIED SCIENCE PROGRAM IN MEDICAL LABORATORY TECHNOLOGY

The Allied Health Department of Youngstown State University proposes to offer a two-year program in Medical Laboratory Technology. The information supplied is a condensed version of a proposal being prepared for the Ohio Board of Regents and the Advisory Committee for Medical Laboratory Technology. The program will go into effect the Fall Quarter of the 1978-79 academic year.

latest

I. THE PROPOSAL

It is proposed that an associate program leading to the degree Associate in Applied Science in Medical Laboratory Technology be established. Similar programs are offered by Shawnee State College, Portsmouth Ohio, Lorain County Community College, Columbus Technical Institute, Cuyahoga Community College, and Lakeland Community College.

II. THE PROPOSED CURRICULUM

The proposed program meets university requirements and the Ohio Board of Regents standards for associate degree programs. It also meets the standards developed by the American Society of Clinical Pathologists and the American Society of Medical Technologists through the National Accrediting Agency for Clinical Laboratory Sciences in collaboration with the council on Medical Education. The program has the objective of preparing the student for the National Medical Laboratory Technician, ASCP Examination, who under appropriate laboratory supervision performs clinical laboratory tests which may be utilized by a qualified physician for the determination of the presence and extent of disease as well as implications pertaining to the cause of the disease. Provision is made for upward mobility of students. Advanced standing and transfer of credit earned is granted to students who qualify. Fifteen new courses are required to be approved.

III. PROGRAM ADMINISTRATION

The proposed program will be administered by the Allied Health Department of the College of Applied Science and Technology which is responsible for technical education programs in the health related areas. This same administrative structure is employed in other schools offering this program.

IV. PROGRAM JUSTIFICATION

Justification was determined through surveys conducted by the Allied Health Department of Youngstown State University which indicated a community need for a Medical Laboratory Technology Program. There was a high level of interest expressed by students in high schools through guidance counselors as well as a high level of interest expressed by students of other universities through the large number of inquiries received weekly by the Allied Health Department.

The input of the program by the Medical Laboratory Advisory Committee which is made up of Laboratory Directors, Educational Coordinators, and personnel is another important factor which validates the acceptance and need of the community for this type of program.

There is a need for Registered Laboratory Technicians because accrediting agencies are no longer accepting on-the-job training programs. The Board of Schools was established by the ASCP for the primary purpose of maintaining high standards. Because of the explosion of knowledge and techniques in the medical laboratory field, the Board of Schools has developed new categories of workers capable of responding to increasing demands and unforeseen opportunities.

One such program was Medical Laboratory Technology. Nationally, there has been a projected future by the Board of Registry that by 1980 the United States will need approximately 80-90,000 medical laboratory personnel. These personnel will be needed because of the increasing dependency of laboratory tests in physical examinations, diagnosis and treatment of disease, the advent of health maintenance organizations, regional medical laboratories and other expanding medical facilities. Youngstown State University, Department of Allied Health feels that by graduating well trained Medical Laboratory Technicians, it is helping to fulfill this national need.

#### V. PROSPECTIVE ENROLLMENT

Responding to the survey of 22 high schools in Mahoning, Trumbull, Columbiana and Ashtabula counties were 1000 students. More than 200 students indicated an interest in a Medical Laboratory Technology program at Youngstown State University. A similar survey conducted among hospital laboratory personnel indicated a desire to affiliate and provide the necessary clinical training. It is anticipated that enrollment will be limited to 25 students out of a potential of 40 for the first quarter.

#### VI. REQUIRED RESOURCES

The didactic phase will take place in the C.A.S.T. Building and the clinical in each of the affiliated hospitals. A registered Medical Technologist with a B.S. degree and appropriate education status has been hired and will be in charge of the program. The budget request for 1978-79 contains \$5,000 to provide some specialized equipment.

#### VII. SUMMARY AND CLASSIFICATION OF THE CURRICULUM

The proposed Medical Laboratory Technology curriculum is summarized on the following pages. A breakdown of the curriculum showing the classification of each course is also given.

The curriculum is designed to:

- 1) satisfy and exceed the minimum essential requirements of the National Accrediting Agency for Clinical Laboratory Science. (NAACLS)
- 2) conform to the associate degree program requirements of the Youngstown State University and the Ohio Board of Regents.

Summary and Classification of Courses in

Medical Laboratory Technology

FIRST YEAR		Clock Hours				Credit	Total
		<u>Lec</u>	<u>Lab</u>	<u>Clinic</u>	<u>Basic</u>	<u>Non-Tech</u>	<u>Credit Hrs.</u>
Fall Quarter							
CHEM 515	General Chemistry	3	3		4		4
BIOL 506	General Biology	3	2		4		4
MLT 501	Introduction to Medical Technology	3				3	3
MLT 501L	Introduction to Medical Technology Laboratory		3			1	1
MA 501	Medical Terminology	4				4	4
		<u>13</u>	<u>8</u>		<u>8</u>	<u>8</u>	<u>16</u>

Winter Quarter

CHEM 516	General Chemistry II	3	3		4		4
BIOL 507	General Biology	3	2		4		4
ENGL 550	Basic Composition I	4				4	4
BIOL 551	Anatomy and Physiology I	3	2		4		4
		<u>13</u>	<u>7</u>		<u>12</u>	<u>4</u>	<u>16</u>

Spring Quarter

CHEM 517	General Chemistry III	3	3		4		4
BIOL 508	General Biology	3	2		4		4
BIOL 552	Anatomy and Physiology II	3	2		4		4
MLT 502	Medical Laboratory Methodology I	2				2	2
MLT 502L	Medical Laboratory Methodology I Laboratory		3			1	1
		<u>11</u>	<u>10</u>		<u>12</u>	<u>3</u>	<u>15</u>

SECOND YEAR

Summer Quarter

ENGL 551	Basic Composition II	4				4	4
( )	Elective Humanities or Social Science	4				4	4
MLT 601	Medical Laboratory Methodology II	2				2	2
MLT 601L	Medical Laboratory Methodology II Laboratory		3			1	1
CHEM 604	Quantitative Analysis I	3	6			5	5
		<u>13</u>	<u>9</u>			<u>8</u>	<u>16</u>

Fall Quarter	Clock Hours				Credit Non- Tech	20 Total Credit Tech Hrs.
	Lec	Lab	Clinic	Basic		
MATH 714 Probability and Statistics	5			5		5
BIOL 702 Microbiology	2	4				4
MLT 700 Diagnostic Radioimmunoassays	2					2
700L Diag. Radioimmunoassays Lab		6				2
ENGTECH 500 Data Process Concepts	4			4		4
	<u>13</u>	<u>10</u>		<u>9</u>		<u>17</u>

Winter Quarter

PSYCH 560 Introduction to Psychology	4				4	4
MLT 788 Diagnostic Microbiology		6				2
MLT 703 Clinical Immunology	2					2
MLT 703L Clinical Immunology Laboratory		3				1
900L ( ) Non-Technical Elective	3				3	3
	<u>9</u>	<u>9</u>			<u>7</u>	<u>12</u>

Spring Quarter

MLT 705 Medical Laboratory Internship			21/wk			3
MLT 729 Clinical Hematology	2					2
MLT 729L Clinical Hematology Laboratory		3				1
MLT 706 Medical Laboratory Seminar	1					1
H&PE 509 Health Education	3				3	3
	<u>6</u>	<u>3</u>	<u>21/wk</u>		<u>3</u>	<u>7</u>

GRAND TOTAL 78 56 21/wk 41 22 39 102

TOTAL CLINIC HOURS 210

*Approved 1-15-78  
Ray J. P. [Signature]*

*APPROVED 31 JAN 78  
Paraska [Signature]*

*CORRECTED 12 FEB 78  
Paraska [Signature]*

## MEDICAL LABORATORY TECHNOLOGY - COURSE DESCRIPTIONS

- MLT 501. Introduction to Medical Technology. Introduction to the field of Medical Laboratory Science and the purpose of various tests, quality control emphasis, ethics, and responsibilities. Prerequisite: Admission to the MLT program. Must be taken concurrently with MLT 501L. 3 q.h.
- MLT 501L. Introduction to Medical Technology Laboratory. The students will observe demonstrations of instruments and phlebotomy techniques in the hospital and clinical laboratory. Three hours laboratory per week. Must be taken concurrently with MLT 501. 1 q.h.
- MLT 502. Medical Laboratory Methodology I. Theory and techniques in the skills involving laboratory instruments, the preparations of solutions, and urinalysis procedures. Emphasis on laboratory recordkeeping and safety. Prerequisite: Biology 506, 507. To be taken concurrently with MLT 502L. 2 q.h.
- MLT 502L. Methodology Laboratory I. Use of centrifuges, balances, pipets, microscopic examination of urine, (with emphasis on cells, and casts) and quantitative and qualitative urine and kidney tests. Three hours laboratory per week. To be taken concurrently with MLT 502. 1 q.h.
- MLT 601. Medical Laboratory Methodology II. Theoretical and practical knowledge related to chemistry as they apply to chemistry in the medical laboratory with emphasis on quality control and instrumentation. Prerequisite: Chemistry 517, MLT 502. Must be taken concurrently with MLT 601L. 2 q.h.
- MLT 601L. Laboratory Methodology II. Test procedures include titrimetric, colorimetric, and spectrophotometric methods for glucose, bilirubin, enzymes, electrolytes, and blood gases. Three hours of lecture per week. To be taken concurrently with MLT 601. 1 q.h.
- MLT 700. Diagnostic Radioimmunoassays. The basic concept of RIAs and its combination with competitive protein binding analysis. Two hours of lecture per week. Prerequisite: Chemistry 517. To be taken concurrently with MLT 700L. 2 q.h.

- MLT 700L. Diagnostic Radioimmunoassays Laboratory. Insulin, Thyroid, Digoxin, B<sup>12</sup>, and folic acid test procedures used in the clinical laboratory. Six hours laboratory per week. Must be taken concurrently with MLT 700. 2 q.h.
- MLT 703. Clinical Immunology. Fundamentals of antigen-antibody reactions applied to serological procedures performed in the clinical laboratory. Two hours of lecture per week. Same as Biology 703. Prerequisite: Biology 702. Must be taken concurrently with MLT 703L. 2 q.h. *change*
- MLT 703L. Clinical Immunology Laboratory. Includes VDRLS, ASO, Febrile, Latex, Pregnancy, and Viral Tests. Will also include Flocculation, Precipitation, Complement Fixation and Titration Procedures of various diseases. Three hours of Laboratory per week. Same as Biology 703L. Must be taken concurrently with MLT 703. 1 q.h.
- MLT 705. Medical Laboratory Internship. Practical application of skills learned in previous six quarters. Students are assigned to accredited hospital laboratories as trainees. Prerequisite: Successful completion of the previous 6 quarters of Medical Laboratory Technology courses. Twenty-one Clinical hours per week in accredited hospital laboratory. To be taken concurrently with MLT 706. 3 q.h. *change in paragraph*
- MLT 706. Medical Laboratory Seminar. Special problems concerning the internship will be discussed with the Coordinator. To be taken concurrently with MLT 705. 1 q.h.
- MLT 729. Clinical Hematology. The origin and formation of blood cells, the coagulation mechanism and its factors and blood group systems are discussed. Prerequisite: Biology 560, 507, 508. To be taken concurrently with MLT 729L. 2 q.h.
- MLT 729L. Clinical Hematology Laboratory. Includes counting red and white cells, reticulocytes, and eosinophiles; differential morphology, staining qualities, recognition of cells; procedures such as prothrombin time, ptt, coagulation time, blood grouping and compatibility testing. Three hours of laboratory per week. To be taken concurrently with MLT 729. 1 q.h.
- MLT 788. Diagnostic Microbiology. A clinical approach to the study of bacteria, fungi, and other microorganisms including the identification of organisms encountered in the clinical laboratory. Six hours of laboratory per week. Same as Biology 788. Prerequisite: Biology 702. 2 q.h.

CURRICULUM PROPOSAL:  
YOUNGSTOWN STATE UNIVERSITY

UCC # 78-167	DATE REC'D: FEB 3 1978	IR CODE:
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----- DO NOT WRITE ABOVE THIS LINE-----

The following change in curriculum is hereby proposed:

Allied Health (MLT) (Department)

DELETION of \_\_\_\_\_ (Complete A and C) [Signature] (Chairperson's Sig./Date)

ADDITION of MLT 501 (Complete B and C)

CHANGE of \_\_\_\_\_ (Complete A, B, and C)

[Signature] JAN 31 1978 (Dean's Signature/Date)

SECTION A:  Approved  Disapproved

If you propose to DELETE or CHANGE an existing course, use the blank space to the right to paste in a clear photocopy of the course description, as it appears in the current YSU catalog.

SECTION B:

If you propose to ADD or CHANGE a course, provide the course description below, precisely as you would expect it to appear in the next issue of the YSU catalog.

MLT 501. Introduction to Medical Technology. Introduction to the field of Medical Laboratory Science and the purpose of various tests, quality control emphasis, ethics, and responsibilities. Prerequisite: Admission to the MLT program. Must be taken concurrently with MLT 501L. 3 q.h.

SECTION C:

Provide below your justification for the curriculum proposal you have offered, using additional sheets if necessary. If the proposal is for a new course, list faculty qualified to offer the course. If you propose a new or changed course which will require special library and/or physical plant facilities, give assurances that these support services are or will be available.

The proposed course is part of a new program in Medical Laboratory Technology to be instituted in the Allied Health Department. Course content conforms with the program outlines designated by the National Accrediting Agencies for Laboratory Sciences. The course will be taught by a registered Medical Technologist.

APPROVALS:

[Signature] (School/College CC)      \_\_\_\_\_ (UCC, if appropriate)      \_\_\_\_\_ (Academic Senate)

1-25-78 (Date)      \_\_\_\_\_ (Date)      \_\_\_\_\_ (Date)

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CURRICULUM PROPOSAL:  
YOUNGSTOWN STATE UNIVERSITY

UCC # 78-166	DATE REC'D: FEB 3 1	IR CODE:
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----- DO NOT WRITE ABOVE THIS LINE-----

The following change in curriculum is hereby proposed:

Allied Health (MLT) (Department)

DELETION of \_\_\_\_\_ (Complete A and C) [Signature] (Chairperson's Sig./Date)

ADDITION of MLT 501L (Complete B and C)

CHANGE of \_\_\_\_\_ (Complete A, B, and C)

[Signature] JAN 31 1978  
(Dean's Signature/Date)

SECTION A:

Approved  Disapproved

If you propose to DELETE or CHANGE an existing course, use the blank space to the right to paste in a clear photocopy of the course description, as it appears in the current YSU catalog.

SECTION B:

If you propose to ADD or CHANGE a course, provide the course description below, precisely as you would expect it to appear in the next issue of the YSU catalog.

MLT 501L. Introduction to Medical Technology Laboratory. The students will observe demonstrations of instruments and phlebotomy techniques in the hospital and clinical laboratory. Three hours laboratory per week. Must be taken concurrently with MLT 501.

1 q.h.

SECTION C:

Provide below your justification for the curriculum proposal you have offered, using additional sheets if necessary. If the proposal is for a new course, list faculty qualified to offer the course. If you propose a new or changed course which will require special library and/or physical plant facilities, give assurances that these support services are or will be available.

The proposed course is part of a new program in Medical Laboratory Technology to be instituted in the Allied Health Department. Course content conforms with the program outlines designated by the National Accrediting Agencies for Laboratory Sciences. The course will be taught by a registered Medical Technologist.

APPROVALS:

<u>[Signature]</u> (School/College CC)	_____ (UCC, if appropriate)	_____ (Academic Senate)
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<u>1-25-78</u> (Date)	_____ (Date)	_____ (Date)
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CURRICULUM PROPOSAL:  
YOUNGSTOWN STATE UNIVERSITY

UCC # 78-168	DATE REC'D: FEB 3 1	IR CODE:
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----- DO NOT WRITE ABOVE THIS LINE-----

The following change in curriculum is hereby proposed:

Allied Health (MLT) (Department)

DELETION of \_\_\_\_\_ (Complete A and C) Ad. A. Williams (1-19-78)  
(Chairperson's Sig./Date)

ADDITION of MLT 502 (Complete B and C)

CHANGE of \_\_\_\_\_ (Complete A, B, and C)

Theresa JAN 31 1978  
(Dean's Signature/Date)  
 Approved  Disapproved

SECTION A:

If you propose to DELETE or CHANGE an existing course, use the blank space to the right to paste in a clear photocopy of the course description, as it appears in the current YSU catalog.

SECTION B:

If you propose to ADD or CHANGE a course, provide the course description below, precisely as you would expect it to appear in the next issue of the YSU catalog.

MLT 502. Medical Laboratory Methodology I. Theory and techniques in the skills involving laboratory instruments, the preparations of solutions, and urinalysis procedures. Emphasis on laboratory recordkeeping and safety. Prerequisite: Biology 506, 507. To be taken concurrently with MLT 502L. 2 q.h.

SECTION C:

Provide below your justification for the curriculum proposal you have offered, using additional sheets if necessary. If the proposal is for a new course, list faculty qualified to offer the course. If you propose a new or changed course which will require special library and/or physical plant facilities, give assurances that these support services are or will be available.

The proposed course is part of a new program in Medical Laboratory Technology to be instituted in the Allied Health Department. Course content conforms with the program outlines designated by the National Accrediting Agencies for Laboratory Sciences. The course will be taught by a registered Medical Technologist.

APPROVALS:

<u>Ann J. P. [Signature]</u> (School/College CC)	_____ (UCC, if appropriate)	_____ (Academic Senate)
<u>1-25-78</u> (Date)	_____ (Date)	_____ (Date)

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led to  
Senate minutes

CURRICULUM PROPOSAL:  
YOUNGSTOWN STATE UNIVERSITY

UCC # 78-169	DATE REC'D: FEB 3 1979	IR CODE:
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----- DO NOT WRITE ABOVE THIS LINE-----

The following change in curriculum is hereby proposed:

Allied Health (MLT) (Department)

DELETION of \_\_\_\_\_ (Complete A and C) [Signature] (Chairperson's Sig./Date)

ADDITION of MLT 502L (Complete B and C)

CHANGE of \_\_\_\_\_ (Complete A, B, and C)

[Signature] JAN 31 1979  
(Dean's Signature/Date)  
 Approved  Disapproved

SECTION A:

If you propose to DELETE or CHANGE an existing course, use the blank space to the right to paste in a clear photocopy of the course description, as it appears in the current YSU catalog.

SECTION B:

If you propose to ADD or CHANGE a course, provide the course description below, precisely as you would expect it to appear in the next issue of the YSU catalog.

MLT 502L. Methodology Laboratory I. Use of centrifuges, balances, pipets, microscopic examination of urine, (with emphasis on cells, and casts) and quantitative and qualitative urine and kidney tests. Three hours laboratory per week. To be taken concurrently with MLT 502.

1 q.h.

SECTION C:

Provide below your justification for the curriculum proposal you have offered, using additional sheets if necessary. If the proposal is for a new course, list faculty qualified to offer the course. If you propose a new or changed course which will require special library and/or physical plant facilities, give assurances that these support services are or will be available.

The proposed course is part of a new program in Medical Laboratory Technology to be instituted in the Allied Health Department. Course content conforms with the program outlines designated by the National Accrediting Agencies for Laboratory Sciences. The course will be taught by a registered Medical Technologist.

APPROVALS:

<u>[Signature]</u> (School/College CC)	_____ (UCC, if appropriate)	_____ (Academic Senate)
<u>1-25-79</u> (Date)	_____ (Date)	_____ (Date)

Senate minutes

CURRICULUM PROPOSAL:

YOUNGSTOWN STATE UNIVERSITY

UCC # 78-170	DATE REC'D: FEB 3 '78	IR CODE:
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----- DO NOT WRITE ABOVE THIS LINE-----

The following change in curriculum is hereby proposed:

Allied Health (MLT) (Department)

DELETION of \_\_\_\_\_ (Complete A and C) \_\_\_\_\_  
 (Chairperson's Sig./Date)

ADDITION of MLT 601 (Complete B and C)

CHANGE of \_\_\_\_\_ (Complete A, B, and C)

\_\_\_\_\_  
 (Dean's Signature/Date) JAN 31 1978  
 Approved  Disapproved

SECTION A:

If you propose to DELETE or CHANGE an existing course, use the blank space to the right to paste in a clear photocopy of the course description, as it appears in the current YSU catalog.

SECTION B:

If you propose to ADD or CHANGE a course, provide the course description below, precisely as you would expect it to appear in the next issue of the YSU catalog.

MLT 601. Medical Laboratory Methodology II. Theoretical and practical knowledge related to chemistry as they apply to chemistry in the medical laboratory with emphasis on quality control and instrumentation. Prerequisite: Chemistry 517, MLT 502. Must be taken concurrently with MLT 601L.

2 q.h.

SECTION C:

Provide below your justification for the curriculum proposal you have offered, using additional sheets if necessary. If the proposal is for a new course, list faculty qualified to offer the course. If you propose a new or changed course which will require special library and/or physical plant facilities, give assurances that these support services are or will be available.

The proposed course is part of a new program in Medical Laboratory Technology to be instituted in the Allied Health Department. Course content conforms with the program outlines designated by the National Accrediting Agencies for Laboratory Sciences. The course will be taught by a registered Medical Technologist.

APPROVALS:

\_\_\_\_\_  
 (School/College CC) (UCC, if appropriate) (Academic Senate)

\_\_\_\_\_  
 (Date) (Date) (Date)

1-25-78

Senate minutes

CURRICULUM PROPOSAL:  
YOUNGSTOWN STATE UNIVERSITY

UCC # 78-171	DATE REC'D: FEB 3	IR CODE:
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----- DO NOT WRITE ABOVE THIS LINE-----

The following change in curriculum is hereby proposed:

Allied Health (MLT) (Department)

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DELETION of \_\_\_\_\_ (Complete A and C) *Approved*  
(Chairperson's Sig./Date)

ADDITION of MLT 601L (Complete B and C)

CHANGE of \_\_\_\_\_ (Complete A, B, and C)

*Shaska* JAN 31 1978  
(Dean's Signature/Date)

Approved     Disapproved

SECTION A:

If you propose to DELETE or CHANGE an existing course, use the blank space to the right to paste in a clear photocopy of the course description, as it appears in the current YSU catalog.

SECTION B:

If you propose to ADD or CHANGE a course, provide the course description below, precisely as you would expect it to appear in the next issue of the YSU catalog.

MLT 601L. Laboratory Methodology II. Test procedures include titrimetric, colorimetric, and spectrophotometric methods for glucose, bilirubin, enzymes, electrolytes, and blood gases. Three hours of lecture per week. To be taken concurrently with MLT 601.

1 q.h.

SECTION C:

Provide below your justification for the curriculum proposal you have offered, using additional sheets if necessary. If the proposal is for a new course, list faculty qualified to offer the course. If you propose a new or changed course which will require special library and/or physical plant facilities, give assurances that these support services are or will be available.

The proposed course is part of a new program in Medical Laboratory Technology to be instituted in the Allied Health Department. Course content conforms with the program outlines designated by the National Accrediting Agencies for Laboratory Sciences. The course will be taught by a registered Medical Technologist.

APPROVALS:

<i>Tom J. Blah</i>		
_____ (School/College CC)	_____ (UCC, if appropriate)	_____ (Academic Senate)
<u>1-25-78</u>		
_____ (Date)	_____ (Date)	_____ (Date)

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CURRICULUM PROPOSAL:  
 YOUNGSTOWN STATE UNIVERSITY

UCC # 78-172	DATE REC'D: FEB 9 1	IR CODE:
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----- DO NOT WRITE ABOVE THIS LINE-----

The following change in curriculum is hereby proposed:

\_\_\_\_\_ Allied Health (MLT) \_\_\_\_\_ (Department)

DELETION of \_\_\_\_\_ (Complete A and C) \_\_\_\_\_  
 (Chairperson's Sig./Date)

ADDITION of MLT 700 (Complete B and C)

CHANGE of \_\_\_\_\_ (Complete A, B, and C)

\_\_\_\_\_ JAN 31 1978  
 (Dean's Signature/Date)

Approved  Disapproved

SECTION A:

If you propose to DELETE or CHANGE an existing course, use the blank space to the right to paste in a clear photocopy of the course description, as it appears in the current YSU catalog.

SECTION B:

If you propose to ADD or CHANGE a course, provide the course description below, precisely as you would expect it to appear in the next issue of the YSU catalog.

MLT 700. Diagnostic Radioimmunoassays. The basic concept of RIAs and its combination with competitive protein binding analysis. Two hours of lecture per week. Prerequisite: Chemistry 517. To be taken concurrently with MLT-700L. 2 q.h.

SECTION C:

Provide below your justification for the curriculum proposal you have offered, using additional sheets if necessary. If the proposal is for a new course, list faculty qualified to offer the course. If you propose a new or changed course which will require special library and/or physical plant facilities, give assurances that these support services are or will be available.

The proposed course is part of a new program in Medical Laboratory Technology to be instituted in the Allied Health Department. Course content conforms with the program outlines designated by the National Accrediting Agencies for Laboratory Sciences. The course will be taught by a registered Medical Technologist.

APPROVALS:

\_\_\_\_\_  
 (School/College CC) (UCC, if appropriate) (Academic Senate)

1-25-78  
 (Date) (Date)

FACULTY MINUTES

CURRICULUM PROPOSAL:

YOUNGSTOWN STATE UNIVERSITY

UCC # 78-173	DATE REC'D: FEB 3	IR CODE:
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----- DO NOT WRITE ABOVE THIS LINE-----

The following change in curriculum is hereby proposed:

Allied Health (MLT) (Department)  
 DELETION of \_\_\_\_\_ (Complete A and C) \_\_\_\_\_  
 ADDITION of MLT 700L (Complete B and C) \_\_\_\_\_  
 CHANGE of \_\_\_\_\_ (Complete A, B, and C) \_\_\_\_\_  
 \_\_\_\_\_ JAN 31 1978  
 (Dean's Signature/Date)  
 Approved  Disapproved

SECTION A:

If you propose to DELETE or CHANGE an existing course, use the blank space to the right to paste in a clear photocopy of the course description, as it appears in the current YSU catalog.

SECTION B:

If you propose to ADD or CHANGE a course, provide the course description below, precisely as you would expect it to appear in the next issue of the YSU catalog.

MLT 700L. Diagnostic Radioimmunoassays Laboratory. Insulin, Thyroid, Digoxin, B<sup>12</sup>, and folic acid test procedures used in the clinical laboratory. Six hours laboratory per week. Must be taken concurrently with MLT 700.

2 q:h.

SECTION C:

Provide below your justification for the curriculum proposal you have offered, using additional sheets if necessary. If the proposal is for a new course, list faculty qualified to offer the course. If you propose a new or changed course which will require special library and/or physical plant facilities, give assurances that these support services are or will be available.

The proposed course is part of a new program in Medical Laboratory Technology to be insituted in the Allied Health Department. Course content conforms with the program outlines designated by the National Accrediting Agencies for Laboratory Sciences. The course will be taught by a registered Medical Technologist.

APPROVALS:

\_\_\_\_\_ (School/College CC) \_\_\_\_\_ (UCC, if appropriate) \_\_\_\_\_ (Academic Senate)  
 \_\_\_\_\_ (Date) \_\_\_\_\_ (Date) \_\_\_\_\_ (Date)

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Senate minutes

CURRICULUM PROPOSAL:

YOUNGSTOWN STATE UNIVERSITY

UCC # 78-174	DATE REC'D: FEB 9	IR CODE:
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----- DO NOT WRITE ABOVE THIS LINE-----

The following change in curriculum is hereby proposed:

\_\_\_\_\_ Allied Health (MLT) \_\_\_\_\_ (Department)

DELETION of \_\_\_\_\_ (Complete A and C) \_\_\_\_\_  
 (Chairperson's Sig./Date)

ADDITION of MLT 703 (Complete B and C)

CHANGE of \_\_\_\_\_ (Complete A, B, and C)

*M. ...* JAN 31 1978  
 (Dean's Signature/Date)  
 Approved  Disapproved

SECTION A:

If you propose to DELETE or CHANGE an existing course, use the blank space to the right to paste in a clear photocopy of the course description, as it appears in the current YSU catalog.

SECTION B:

If you propose to ADD or CHANGE a course, provide the course description below, precisely as you would expect it to appear in the next issue of the YSU catalog.

MLT 703. Clinical Immunology. Fundamentals of antigen-antibody reactions applied to serological procedures performed in the clinical laboratory. Two hours of lecture per week. Same as Biology 703. Prerequisite: Biology 702. Must be taken concurrently with MLT 703L.

2 q.h.

SECTION C:

Provide below your justification for the curriculum proposal you have offered, using additional sheets if necessary. If the proposal is for a new course, list faculty qualified to offer the course. If you propose a new or changed course which will require special library and/or physical plant facilities, give assurances that these support services are or will be available.

The proposed course is part of a new program in Medical Laboratory Technology in the Department of Allied Health. The course content conforms with the program outlines designated by the National Accrediting Agencies for Laboratory Sciences. Also, the Department of Biological Sciences is initiating a program in the area of microbiology which could lead to a certification of registration as a Registered Microbiologist (RM/AAM7). The agency issuing the registration, The American Academy of Microbiology, (See attached page)

APPROVALS:

*Amy J. ...*  
 \_\_\_\_\_ (School/College CC) \_\_\_\_\_ (UCC, if appropriate) \_\_\_\_\_ (Academic Senate)

1-25-78  
 \_\_\_\_\_ (Date) \_\_\_\_\_ (Date) \_\_\_\_\_ (Date)



-2-  
suggests this course as a part of the program. This course will be taught by  
Drs. Van Zandt and Sobota and a Registered Medical Technologist, Joan L. Boyd.

CURRICULUM PROPOSAL:

YOUNGSTOWN STATE UNIVERSITY

UCC # 78-175	DATE REC'D: FEB 3 1978	IR CODE:
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----- DO NOT WRITE ABOVE THIS LINE-----

The following change in curriculum is hereby proposed:

Allied Health (MLT) (Department)

DELETION of \_\_\_\_\_ (Complete A and C) \_\_\_\_\_  
(Chairperson's Sig./Date)

ADDITION of MLT 703L (Complete B and C)

CHANGE of \_\_\_\_\_ (Complete A, B, and C)

[Signature] JAN 31 1978  
(Dean's Signature/Date)  
 Approved  Disapproved

SECTION A:

If you propose to DELETE or CHANGE an existing course, use the blank space to the right to paste in a clear photocopy of the course description, as it appears in the current YSU catalog.

SECTION B:

If you propose to ADD or CHANGE a course, provide the course description below, precisely as you would expect it to appear in the next issue of the YSU catalog.

MLT 703L. Clinical Immunology Laboratory. Includes VDRLS, ASO, Febrile, Latex, Pregnancy, and Viral Tests. Will also include Flocculation, Precipitation, Complement Fixation and Titration Procedures of various diseases. Three hours of Laboratory per week. Same as Biology 703L. Must be taken concurrently with MLT 703.

l q.h.

SECTION C:

Provide below your justification for the curriculum proposal you have offered, using additional sheets if necessary. If the proposal is for a new course, list faculty qualified to offer the course. If you propose a new or changed course which will require special library and/or physical plant facilities, give assurances that these support services are or will be available.

The proposed course is part of a new program in Medical Laboratory Technology in the Department of Allied Health. The course content conforms with the program outlines designated by the National Accrediting Agencies for Laboratory Sciences. Also, the Department of Biological Sciences is initiating a program in the area of microbiology which could lead to a certification of registration as a Registered Microbiologist (RM/AAM7). The agency issuing the registration, The American Academy of Microbiology, suggests this course as a part of the program. This course will be taught (See attached page)

APPROVALS:

<u>[Signature]</u> (School/College CC)	_____ (UCC, if appropriate)	_____ (Academic Senate)
<u>1-25-78</u> (Date)	_____ (Date)	_____ (Date)

by Drs. Van Zandt and Sobota and a Registered Medical Technologist, Joan L. Boyd.

CURRICULUM PROPOSAL:

YOUNGSTOWN STATE UNIVERSITY

UCC # 78-180	DATE REC'D: FEB 3 1	IR CODE:
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----- DO NOT WRITE ABOVE THIS LINE-----

The following change in curriculum is hereby proposed:

Allied Health (MLT) (Department)

DELETION of \_\_\_\_\_ (Complete A and C) \_\_\_\_\_ (Chairperson's Sig./Date)

ADDITION of MLT 788 (Complete B and C)

CHANGE of \_\_\_\_\_ (Complete A, B, and C)

Parsons JAN 31 1978  
(Dean's Signature/Date)  
 Approved  Disapproved

SECTION A:

If you propose to DELETE or CHANGE an existing course, use the blank space to the right to paste in a clear photocopy of the course description, as it appears in the current YSU catalog.

SECTION B:

If you propose to ADD or CHANGE a course, provide the course description below, precisely as you would expect it to appear in the next issue of the YSU catalog.

MLT 788. Diagnostic Microbiology. A clinical approach to the study of bacteria, fungi, and other microorganisms including the identification of organisms encountered in the clinical laboratory. Six hours of laboratory per week. Same as Biology 788. Prerequisite: Biology 702. 2 q.h.

SECTION C:

Provide below your justification for the curriculum proposal you have offered, using additional sheets if necessary. If the proposal is for a new course, list faculty qualified to offer the course. If you propose a new or changed course which will require special library and/or physical plant facilities, give assurances that these support services are or will be available.

The proposed course is part of a new program in Medical Laboratory Technology in the Department of Allied Health. The course content conforms with the program outlines designated by the National Accrediting Agencies for Laboratory Sciences. Also, the Department of Biological Sciences is initiating a program in the area of microbiology which could lead to a certification of registration as a Registered Microbiologist (RM/AAM/). The agency issuing the registration, the American Academy of Microbiology, suggests this course (See attached page)

APPROVALS:

Henry J. Parsons \_\_\_\_\_  
(School/College CC) (UCC, if appropriate) (Academic Senate)

1-25-78 \_\_\_\_\_  
(Date) (Date) (Date)

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as a part of the program. This course will be taught by a Certified Microbiologist, Dr. Van Zandt, and a Registered Medical Technologist, Joan L. Boyd.

CURRICULUM PROPOSAL

YOUNGSTOWN STATE UNIVERSITY

UCC # 78-178	DATE REC'D: FEB 3 1	IR CODE:
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----- DO NOT WRITE ABOVE THIS LINE-----

The following change in curriculum is hereby proposed:

\_\_\_\_\_ Allied Health (MLT) \_\_\_\_\_ (Department)

DELETION of \_\_\_\_\_ (Complete A and C) \_\_\_\_\_  
 (Chairperson's Sig./Date)

ADDITION of MLT 729 (Complete B and C)

CHANGE of \_\_\_\_\_ (Complete A, B, and C)

\_\_\_\_\_ JAN 31 1978  
 (Dean's Signature/Date)

Approved  Disapproved

SECTION A:

If you propose to DELETE or CHANGE an existing course, use the blank space to the right to paste in a clear photocopy of the course description, as it appears in the current YSU catalog.

SECTION B:

If you propose to ADD or CHANGE a course, provide the course description below, precisely as you would expect it to appear in the next issue of the YSU catalog.

MLT 729. Clinical Hematology. The origin and formation of blood cells, the coagulation mechanism and its factors and blood group systems are discussed. Prerequisite: Biology 560, 507, 508. To be taken concurrently with MLT 729L. 2 q.h.

SECTION C:

Provide below your justification for the curriculum proposal you have offered, using additional sheets if necessary. If the proposal is for a new course, list faculty qualified to offer the course. If you propose a new or changed course which will require special library and/or physical plant facilities, give assurances that these support services are or will be available.

The proposed course is part of a new program in Medical Laboratory Technology to be instituted in the Allied Health Department. Course content conforms with the program outlines designated by the National Accrediting Agencies for Laboratory Sciences. The course will be taught by a registered Medical Technologist.

APPROVALS:

\_\_\_\_\_  
 (School/College CC) (UCC, if appropriate) (Academic Senate)

1-25-78  
 (Date) (Date) (Date)

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CURRICULUM PROPOSAL:  
YOUNGSTOWN STATE UNIVERSITY

UCC # 78-179	DATE REC'D: FEB 3 1	IR CODE:
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----- DO NOT WRITE ABOVE THIS LINE-----

The following change in curriculum is hereby proposed:

Allied Health (MLT) (Department)

DELETION \_\_\_\_\_ (Complete A and C) \_\_\_\_\_  
(Chairperson's Sig./Date)

ADDITION of MLT 729L (Complete B and C)

CHANGE of \_\_\_\_\_ (Complete A, B, and C)

[Signature] JAN 31 1978  
(Dean's Signature/Date)  
 Approved  Disapproved

SECTION A:

If you propose to DELETE or CHANGE an existing course, use the blank space to the right to paste in a clear photocopy of the course description, as it appears in the current YSU catalog.

SECTION B:

If you propose to ADD or CHANGE a course, provide the course description below, precisely as you would expect it to appear in the next issue of the YSU catalog.

MLT 729L. Clinical Hematology Laboratory. Includes counting red and white cells, reticulocytes, and eosinophiles; differential morphology, staining qualities, recognition of cells; procedures such as prothrombin time, ptt, coagulation time, blood grouping and compatibility testing. Three hours of laboratory per week. To be taken concurrently with MLT 729. 1 q.h.

SECTION C:

Provide below your justification for the curriculum proposal you have offered, using additional sheets if necessary. If the proposal is for a new course, list faculty qualified to offer the course. If you propose a new or changed course which will require special library and/or physical plant facilities, give assurances that these support services are or will be available.

The proposed course is part of a new program in Medical Laboratory Technology to be instituted in the Allied Health Department. Course content conforms with the program outlines designated by the National Accrediting Agencies for Laboratory Sciences. The course will be taught by a registered Medical Technologist.

APPROVALS:

<u>[Signature]</u> (School/College CC)	_____ (UCC, if appropriate)	_____ (Academic Senate)
<u>1-25-78</u> (Date)	_____ (Date)	_____ (Date)

SENATE MINUTES

CURRICULUM PROPOSAL:  
YOUNGSTOWN STATE UNIVERSITY

UCC # 78-176	DATE REC'D: FEB 3 '78	IR CODE:
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----- DO NOT WRITE ABOVE THIS LINE-----

The following change in curriculum is hereby proposed:

Allied Health (MLT) (Department)

DELETION of \_\_\_\_\_ (Complete A and C) \_\_\_\_\_ (Chairperson's Sig./Date)

ADDITION of MLT 705 (Complete B and C)

CHANGE of \_\_\_\_\_ (Complete A, B, and C)

*Paraska* JAN 31 1978  
(Dean's Signature/Date)

Approved  Disapproved

SECTION A:

If you propose to DELETE or CHANGE an existing course, use the blank space to the right to paste in a clear photocopy of the course description, as it appears in the current YSU catalog.

SECTION B:

If you propose to ADD or CHANGE a course, provide the course description below, precisely as you would expect it to appear in the next issue of the YSU catalog.

MLT 705. Medical Laboratory Internship. Practical application of skills learned in previous six quarters. Students are assigned to accredited hospital laboratories as trainees. Prerequisite: Successful completion of the previous 6 quarters of Medical Laboratory Technology courses. Twenty-one Clinical hours per week in accredited hospital laboratory. To be taken concurrently with MLT 706. 3 q.h.

SECTION C:

Provide below your justification for the curriculum proposal you have offered, using additional sheets if necessary. If the proposal is for a new course, list faculty qualified to offer the course. If you propose a new or changed course which will require special library and/or physical plant facilities, give assurances that these support services are or will be available.

The proposed course is part of a new program in Medical Laboratory Technology to be instituted in the Allied Health Department. Course content conforms with the program outlines designated by the National Accrediting Agencies for Laboratory Sciences. The course will be taught by a registered Medical Technologist.

APPROVALS:

*Angie P. ...*  
\_\_\_\_\_  
(School/College CC) (UCC, if appropriate) (Academic Senate)

1-25-78  
\_\_\_\_\_  
(Date) (Date) (Date)

Returned

Circulated

ed to

Senate minutes



CURRICULUM PROPOSAL:  
YOUNGSTOWN STATE UNIVERSITY

UCC # 78-177	DATE REC'D: FEB 3 -1	IR CODE:
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----- DO NOT WRITE ABOVE THIS LINE-----

The following change in curriculum is hereby proposed:

Allied Health (MLT) (Department)

DELETION of \_\_\_\_\_ (Complete A and C) [Signature] 1-1-78  
(Chairperson's Sig./Date)

ADDITION of MLT 706 (Complete B and C)

CHANGE of \_\_\_\_\_ (Complete A, B, and C)

[Signature] JAN 31 1978  
(Dean's Signature/Date)  
 Approved  Disapproved

SECTION A:

If you propose to DELETE or CHANGE an existing course, use the blank space to the right to paste in a clear photocopy of the course description, as it appears in the current YSU catalog.

SECTION B:

If you propose to ADD or CHANGE a course, provide the course description below, precisely as you would expect it to appear in the next issue of the YSU catalog.

MLT 706. Medical Laboratory Seminar. Special problems concerning the internship will be discussed with the Coordinator. To be taken concurrently with MLT 705. 1 q.h.

SECTION C:

Provide below your justification for the curriculum proposal you have offered, using additional sheets if necessary. If the proposal is for a new course, list faculty qualified to offer the course. If you propose a new or changed course which will require special library and/or physical plant facilities, give assurances that these support services are or will be available.

The proposed course is part of a new program in Medical Laboratory Technology to be instituted in the Allied Health Department. Course content conforms with the program outlines designated by the National Accrediting Agencies for Laboratory Sciences. The course will be taught by a registered Medical Technologist.

APPROVALS:

[Signature] \_\_\_\_\_  
(School/College CC) (UCC, if appropriate) (Academic Senate)

1-25-78 \_\_\_\_\_  
(Date) (Date) (Date)

Returned  
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Senate Minutes