



February 21, 2022

## **M E M O R A N D U M**

**TO:** Jim Murdaugh, Ph.D.  
President

**FROM:** Calandra Stringer, Ph.D.  
Vice President and Provost

**SUBJECT:** Academic Curriculum Changes

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### **Item Description**

This item presents a new program proposal and courses.

### **Overview and Background**

The Curriculum and Innovation Committee members review and make recommendations for Board approval for new and revised curriculum.

The College is proposing a new Medical Laboratory Technology A.S. degree to meet the need for professionals to develop skills necessary to perform a wide variety of complex medical lab tests. There is a projected growth locally of 7.8% and 13.4% across the state over the next 5-10 years, respectively. The average hourly wage is \$25.36/hour and will help to provide higher wage-earning jobs within the community. TCC is also proposing a \$150.00 lab fee for each new course in the program to purchase lab equipment and lab supplies for each student.

Discussions with our local hospitals has led to a collaborative approach to offer this program. Bank of America has also provided funding to purchase equipment for the program as well as scholarships for students who enter the program.

### **Funding/ Financial Implications**

None

### **Past Actions by the Board**

The Board approved the program revisions, new courses and course changes each year.

### **Recommended Action**

That the Board approve the recommendation for the program proposed and course additions, as attached.

## **PROGRAM CHANGE**

### Drafting and Design Technology, A.S. (CIP # 1615130202 (60 credit hours))

Statewide committee reviewed programs and determined the program length for this program should change from 62 credit hours to 60 credit hours to align with the program length of the AA program.

Delete program course:

EGN2112C Computer Applications in Drafting (2)

## **NEW PROGRAM**

### Medical Laboratory Technology, A.S. (CIP # 1615030304 (76 credit hours))

There is a projected growth locally of 7.8% and 13.4% across the state over the next 5-10 years, respectively. The average hourly wage is \$25.36/hour and will help to provide higher wage-earning jobs within the community.

General Education Courses:

ENC1101 College Composition (3)  
Humanities State Core (3)  
MAC1105 College Algebra (3)  
BSC2085 Anatomy and Physiology I (3)  
AMH 2020  
or POS 1041 Civic Literacy Social Science State Core (3)

Program Courses:

BSC2085L Anatomy and Physiology I Lab (1)  
CHM1045 General Chemistry (3)  
CHM1045L General Chemistry Lab (1)  
BSC2086 Anatomy and Physiology II (3)  
BSC2086L Anatomy and Physiology II Lab (1)  
MCB2004 General Microbiology (3)  
MCB2004L Microbiology Laboratory (1)  
MLT1022C Introduction to Medical Laboratory Technology (4)  
MLT1221C Urinalysis and Body Fluids (2)  
MLT1300C Hematology I (4)  
MLT1302C Hematology II (4)  
MLT1401C Medical Microbiology (6)  
MLT1500C Immunology/Serology (3)  
MLT1525C Immunohematology (4)  
MLT1610C Clinical Chemistry (6)  
MLT2800L Clinical Practicum – Core Lab (4)  
MLT2807C Clinical Practicum – Blood Banking (4)  
MLT2811L Clinical Practicum – Microbiology (4)  
MLT2930 Medical Laboratory Technology Capstone (3)

## **NEW COURSES**

Course ID	Course Name	Rationale for New Course	Proposed Lab Fee
MLT1022C	Introduction to Medical Laboratory Technology	New course is part of the Medical Laboratory Technology, A.S.	\$150.00
MLT1221C	Urinalysis and Body Fluids	New course is part of the Medical Laboratory Technology, A.S.	\$150.00
MLT1300C	Hematology I	New course is part of the Medical Laboratory Technology, A.S.	\$150.00
MLT1302C	Hematology II	New course is part of the Medical Laboratory Technology, A.S.	\$150.00
MLT1401C	Medical Microbiology	New course is part of the Medical Laboratory Technology, A.S.	\$150.00
MLT1500C	Immunology/Serology	New course is part of the Medical Laboratory Technology, A.S.	\$150.00
MLT1525C	Immunohematology	New course is part of the Medical Laboratory Technology, A.S.	\$150.00
MLT1610C	Clinical Chemistry	New course is part of the Medical Laboratory Technology, A.S.	\$150.00
MLT2800L	Clinical Practicum – Core Lab	New course is part of the Medical Laboratory Technology, A.S.	\$150.00
MLT2807L	Clinical Practicum – Blood Banking	New course is part of the Medical Laboratory Technology, A.S.	\$150.00
MLT2811L	Clinical Practicum – Microbiology	New course is part of the Medical Laboratory Technology, A.S.	\$150.00
MLT2930	Medical Laboratory Technology Capstone	New course is part of the Medical Laboratory Technology, A.S.	

## **COURSE DELETION**

Course ID	Course Name	Rationale for Course Deletion
EGN2112C	Computer Applications in Drafting	State mandated program change.