

Medical Laboratory Technology (2220) (A.S.)

RECOMMENDED ROADMAP

This Roadmap is a recommended way to complete this program of study. Course availability is subject to change. In some cases a specific course is shown, but there are other options available. To review and consider other courses, see the note at the bottom of this page. Part-time students should refer to the Recommended Course Sequence list. Consult a Student Success Advisor or the Program Manager before creating your actual Academic Degree Plan and refer to the [FSCJ Catalog](#) for more information.

1st Term

Course ID	Course Title	Credit Hours	Grade Earned
1* ENC 1101	English Composition I	3	
2* MAC 1105	College Algebra	3	
3*CHM 1025C	Introduction to General Chemistry	4	
4*BSC 2020C	Human Biology	4	

Term Total = 14

3rd Term

Course ID	Course Title	Credit Hours	Grade Earned
MLT 1022C	Introduction to Health Technology	3	
MLT 1301C	Hematology I	3	
MLT 2500C	Clinical Immunology	4	
6* Choose 1 General Education Humanities		3	

Term Total = 13

5th Term

Course ID	Course Title	Credit Hours	Grade Earned
MLT 1401C	Medical Microbiology	4	
MLT 1440C	Parasitology/Mycology	2	
MLT 2150C	Clinical Correlations	2	

Term Total = 8

7th Term

Course ID	Course Title	Credit Hours	Grade Earned
MLT 2801L	Clinical Practicum II	7	

Term Total = 7

2nd Term

Course ID	Course Title	Credit Hours	Grade Earned
5*CHM 2045C	General Chemistry and Qualitative Analysis I	4	
MCB 2010C	Microbiology	4	
6* Choose 1 General Education Social and Behavioral Science		3	
HSC 1531	Medical Terminology (for Health Professions)	3	

Term Total = 14

4th Term

Course ID	Course Title	Credit Hours	Grade Earned
MLT 1302C	Hematology II	3	
MLT 2230C	Clinical Microscopy	2	
MLT 2525C	Immunohematology	4	
MLT 2610C	Clinical Chemistry	4	

Term Total = 13

6th Term

Course ID	Course Title	Credit Hours	Grade Earned
MLT 2800L	Clinical Practicum I	7	

Term Total = 7

Total Credit Hours = 76

Program Notes:

1* ENC1101C can be taken in place of ENC1101. Please speak with your advisor for more information.

2* MAC1105 or higher MAC prefix course.

3* CHM2045C may be taken in place of CHM1025C.

4* BSC2085C may be substituted for BSC 2020C.

5* CHM2046C may be substituted if CHM2045C was taken instead of CHM1025C. A passing score on the Toledo Chemistry exam will substitute for CHM1025C which is a prerequisite for CHM2045C.

6* For options see the General Education Requirements at fscj.edu/asge.

This is a **limited access** program. For more information, visit fscj.edu/2220

Program Director: Robin Bradshaw (North Campus) • rbradsha@fscj.edu • (904) 766-6510

RECOMMENDED COURSE SEQUENCE

This list shows a recommended sequence for completing the courses in this program of study. Course availability is subject to change. Part-time students should use this list to determine which courses to take next that fit their schedule. In some cases a specific course is shown, but there are other options available. To review and consider other courses, see the note on page 1. Consult a Student Success Advisor or the Program Manager before creating your actual Academic Degree Plan and refer to the [FSCJ Catalog](#) for more information.

Prerequisites:

The following prerequisite courses must be completed with a minimum grade of “C” or better before applying for the program:

- **ENC 1101 - English Composition I (Credit Hours: 3) - Prerequisites:** Satisfactory score on the placement test (for non-exempt students only). See program note 1*.
- **MAC 1105 - College Algebra (Credit Hours: 3) or higher MAC prefix course- Prerequisites:** MAT 1033 with a grade of “C” or better, or satisfactory score on the placement test. See program note 2*.
- **CHM 1025C - Introduction to General Chemistry (Credit Hours: 4) - Prerequisites:** MAC 1105 or higher level MAC course or MAP 2302 See program note 3*.
- **CHM 2045C - General Chemistry and Qualitative Analysis I (Credit Hours: 4) - Prerequisites:** MAC 1105 or higher level MAC course or MAP 2302, and CHM 1025C with a grade of “C” of better.
- **MCB 2010C - Microbiology (Credit Hours: 4) - Prerequisites:** CHM 1020 or CHM 1025C or CHM 1032C or CHM 2045C or other College level chemistry course or placement into CHM 2045C or higher by chemistry placement exam.
- **HSC 1531 - Medical Terminology (for Health Professionals) (Credit Hours: 3) - Prerequisites:** None
- **BSC 2020C - Human Biology (Credit Hours: 4) - Prerequisites:** None

Professional Courses:

- **MLT 1022C - Introduction to Health Technology (Credit Hours: 3) - Prerequisites:** None
- **MLT 1301C – Hematology I (Credit Hours: 3) - Prerequisites:** None
- **MLT 1302C – Hematology II (Credit Hours: 3) - Prerequisites:** MLT1301C, MLT1022C, MLT2500C
- **MLT 2500C - Clinical Immunology (Credit Hours: 4) - Prerequisites:** None
- **MLT 2525C - Immunoematology (Credit Hours: 3) - Prerequisites:** MLT1301C, MLT1022C, MLT2500C
- **MLT 1401C - Medical Microbiology (Credit Hours: 4) - Prerequisites:** MLT1301C, MLT1022C, MLT2500C, MLT1302C, MLT2230C, MLT2525C, MLT2610C
- **MLT 2230C - Clinical Microscopy (Credit Hours: 2) - Prerequisites:** MLT1301C, MLT1022C, MLT2500C
- **MLT 2150C - Clinical Correlations (Credit Hours: 2) - Prerequisites:** MLT1301C, MLT1022C, MLT2500C, MLT1302C, MLT2230C, MLT2525C, MLT2610C
- **MLT 2610C - Clinical Chemistry (Credit Hours: 3) - Prerequisites:** MLT1301C, MLT1022C, MLT2500C
- **MLT 1440C - Parasitology/Mycology (Credit Hours: 2) - Prerequisites:** MLT1301C, MLT1022C, MLT2500C, MLT1302C, MLT2230C, MLT2525C, MLT2610C
- **MLT 2800L - Clinical Practicum I (Credit Hours: 8) - Prerequisites:** MLT1301C, MLT1022C, MLT2500C, MLT1302C, MLT2230C, MLT2525C, MLT2610C, MLT1401C, MLT1440C, MLT2150C
- **MLT 2801L - Clinical Practicum II (Credit Hours: 8) - Prerequisites:** MLT1301C, MLT1022C, MLT2500C, MLT1302C, MLT2230C, MLT2525C, MLT2610C, MLT1401C, MLT1440C, MLT2150C, MLT 2800L.
- **Choose 1 Social and Behavioral Science (see link below for options). See program note 6*.**
- **Choose 1 Humanities (See link below for options). See program note 6*.**

Total Credit Hours = 76

To view a list of General Education Requirements, please visit our online catalog: fscj.edu/asge

CAREER OPTIONS

There is a career ladder in the clinical lab; with some experience graduates can become technical specialists or senior techs. Some graduates move into laboratory information system management or become technical representatives for instrument companies. To become a supervisor, the graduate will need to receive a Bachelor’s degree in Clinical Lab Science or Biology. The Bureau of Labor Statistics projects a growth rate of 14.7 percent through 2020, which is approximately 23,800 new jobs in the U.S. About 55,100 people in the field will be retiring during this time period and will have to be replaced. U.S. News (Best Jobs, 2013) ranked this career number 39 on the 100 Best Jobs list. Florida has a 3-7% vacancy rate in clinical lab according to the [ASCP 2012 Vacancy Survey](#).

What students need for this career:

- Interest in Science and Technology
- Ability to be careful and organized
- Ability to be flexible and accommodate change

Florida State College at Jacksonville does not discriminate against any person on the basis of race, disability, color, ethnicity, national origin, religion, gender, age, sex, sexual orientation/expression, marital status, veteran status, pregnancy or genetic information in its programs, activities and employment. For more information, visit the Equal Access/Equal Opportunity page.