MEDICAL TECHNOLOGY (MET)

The University of South Florida offers a four year program leading to the Bachelor of Science degree in Medical Technology. The first three years are completed on campus; the fourth year (12 months) is completed at one of five affiliated hospitals in Florida, located in Tampa, Orlando, and Jacksonville. Admission to the fourth year is limited by the number of openings in affiliated hospitals and, at the present time, is competitive. Selection for the clinical program is made by the hospitals and students not admitted to a clinical program may need to select an alternate degree. Generally, hospitals require a minimum GPA of 2.5, and our students admitted to clinical programs in recent years have had a mean GPA of about 3.0.

All courses required for admission to the clinical program must be completed prior to beginning the clinical year. These requirements include:
1. A minimum of 90 semester hours (excluding physical education.)
2. All university Liberal Arts requirements.
3. Writing and computation requirements for 6A, 10,30.
4. All sciences and mathematics requirements listed below, including Common Prerequisites and those specific to USF, with a “C” or higher in each course.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Community College: Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

A student who transfers with fewer than 60 semester hours of acceptable credit must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade. They may be completed at a community college or other institution or at USF.

1) General Biology I with lab (4)
(e.g. BSC1010C, BSC1011C, BSC1010/1010L, BSC 1011/1011L, BSC 2010/2010L, PCB 2131/2131L, BSC 2011/2011L, ZOO 2010, ZOO 2010C)

2) Human Anatomy and Physiology I with lab (4)
(e.g. BSC 1085/1085L, BSC 1085C, BSC 2093C, BSC 2085C, BSC 2093C, BSC 2085/2085L, BSC 2011C, BSC 2011L, PCB 4703, PCB 3703, PCB 3702, PCB 3702,3,4 (student’s choice of one of these three labs), PCB 3703C, BSC 2085C, BSC 2023C)

3) Human Anatomy and Physiology II with lab (4)
(e.g. BSC 1086/1086L, BSC 1086C, BSC 2094C, ZOO 3733C, ZOO 3731, PCB 3134C, PCB 2131, BSC 1094, BSC 2096, BSC 2011, PCB 2510/2510L, BSC 2086C)

4) General Microbiology with lab (4)
(e.g. MCB 3020/3020L, MCB 2013/2013L, MCB 2013C/2013L, MCB 3023/3023L, MCB 3020C, MCB 2010/2010L)

5) General Chemistry I with lab (4)
(e.g. CHM 1045/1045L, CHM 1045C, CHM 2045/2045L)

6) General Chemistry II with lab (4)
(e.g. CHM 1046/1046L, CHM 1046C, CHM 1040/1040L, CHM 1041/1041L, CHM 1046E/1046L, CHM 2046/2046L)

7) Organic Chemistry I with lab (4)
(e.g. CHM 2210/2210L, CHM 2010/2010L, CHM 2210C, CHM 3210)

8) Organic Chemistry II with lab (4)
(e.g. CHM 2211/2211L, CHM 2111/2111L, CHM 2211C, CHM 3211/3211L, CHM 3120/3120L, CHM 2120/2120L, CHM 2120C, CHM 3120C)

9) Statistics (3-4)
(e.g. STA2023, STA2014, STA2122, STA2037, STA2040, STA 2024, STA 2321, STA 3023)

Students should carefully follow all prerequisite requirements for individual courses. The USF courses recommended to meet the state mandated prerequisites as listed above are:

General Biology I with lab (BSC 2010,2010L) (4)
Human Anatomy and Physiology I (with lab where available) (BSC 2093C or BSC 1085,1085L) (3-4)
General Biology II with lab (BSC 2011,2011L) (4)
General Microbiology with lab (MCB 3020C) (4)
General Chemistry I with lab (CHM 2045,2045L) (4)
General Chemistry II with lab (CHM 2046,2046L) (4)
Organic Chemistry I with lab (CHM 2210,2210L) (4-5)
Organic Chemistry II with lab (CHM 2211,2211L) (4)
Statistics (STA 2023) (4)

In addition to the Common Prerequisites listed above, the following courses are required for the degree at USF:

- College Algebra (MAC 1105, MAC 1140, or MAC 1147) (3-4)
- Cell Biology with lab (PCB 3023, L) (4)
- Immunology (PCB 5235 or PHC 6511 or equivalent) (4)
- Determinative Bacteriology with lab (MCB 4115) (5)
- Biochemistry (BCH 3023) (3)

Ability to use computers is essential for work in a modern laboratory. Hospitals recommend elective courses in use of computers and in management.

Upon successful completion of this curriculum and acceptance by one of the affiliated hospitals, the student will complete 12 continuous months of training at that hospital. Hospital programs begin in July or early August each year, and some hospitals also have programs beginning in January or February. During this clinical training, the student will continue to be registered as a full time student of the university and will receive a total of 30 credit hours of work in:

- MLS 4031 Introduction to Medical Technology
- MLS 4861 Clinical Immunology
- MLS 4863 Clinical Microbiology
- MLS 4865 Clinical Immunohematology
- MLS 4860 Clinical Urinalysis and Body Fluid
- MLS 4862 Clinical Hematology
- MLS 4864 Clinical Chemistry
- MLS 4866 Clinical Laboratory Management and Education

These courses, listed under “Interdisciplinary Arts and Sciences,” will be taught at the hospital. A “C” or higher must be earned in each course. Students successfully completing this program will be granted a Bachelor of Science degree in Medical Technology.

Teacher Education Programs

For information concerning the degree programs for secondary school teachers, see College of Education section of this Catalog and junior college teachers, see USF Graduate Catalog.