UCF Degree Programs

Medical Laboratory Sciences (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Dr. Griffith Parks, Director
Dorilyn Hitchcock, Program Director
Phone: 407-823-5932

Admission Requirements

- Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C” (2.0).

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check, negative drug screen, and Board of Clinical Lab Personnel trainee license are required.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
      Required STA 2023 Statistical Methods I 3 hrs
   D: Social Foundations (6 hrs)
   E: Science Foundations (8 hrs)
      Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (25 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - BSC 2010C Biology I GEP
   - STA 2023 Statistical Methods I GEP
   - ZOO 3733C Human Anatomy 4 hrs
   - MCB 3020C General Microbiology 5 hrs
   - PCB 3703C General Physiology 4 hrs

Take all of the following: (4 hrs)
   - CHM 2045C Chemistry Fundamentals I GEP
   - CHM 2046 Chemistry Fundamentals II and 3 hrs
   - CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Take all of the following: (8 hrs)
   - CHM 2210 Organic Chemistry I and 3 hrs
   - CHM 2211 Organic Chemistry II and 3 hrs
   - CHM 2211L Organic Laboratory Techniques I 2 hrs

1 See Transfer Notes

3. Core Requirements: Basic Level (64 hrs)
   - None

4. Core Requirements: Advanced Level
   - None

5. Restricted Electives
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A minimum 2.5 overall GPA is required for clinical assignment.
    - The degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University’s didactic component and the clinical component in affiliated hospital laboratories.
    - Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to take a national certification examination and then qualify for State Licensure.
    - Students must earn a grade of “C” (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.
## University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 126

### Honors In Major
- None

### Related Programs
- Biomedical Sciences
- Biology
- Chemistry

### Certificates
- None

### Related Minors
- Biomedical Sciences
- Biology
- Chemistry

### Advising Notes
- None

### Transfer Notes
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

### Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Anatomy and Physiology I and II (BSC 2093/BSC 2094)</td>
<td>8 hrs</td>
</tr>
<tr>
<td>MCB 3020C General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>may be substituted with: MCB 2010C</td>
<td></td>
</tr>
</tbody>
</table>

### Plan of Study

#### Freshman Year - Fall
- 16 hrs
  - MAC 1105C College Algebra 3 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - GEP 9 hrs

#### Freshman Year - Spring
- 17 hrs
  - ENC 1102 Composition II 3 hrs
  - BSC 2010C Biology I 4 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - GEP 6 hrs

#### Sophomore Year - Fall
- 16 hrs
  - CHM 2210 Organic Chemistry I 3 hrs
  - ZOO 3733C Human Anatomy 4 hrs
  - GEP 9 hrs

#### Sophomore Year - Spring
- 17 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - MCB 3020C General Microbiology 5 hrs
  - PCB 3703C Human Physiology 4 hrs
  - GEP 3 hrs

#### Junior Year - Fall
- 14 hrs
  - MLS 3220C Techniques in Clinical Microscopy 3 hrs
  - MLS 4625 Advanced Clinical Chemistry I 3 hrs
  - MLS 4625L Advanced Clinical Chem I Lab 1 hr
  - PCB 3233 Immunology 3 hrs
  - PCB 3233L Immunology Laboratory 1 hr
  - MLS 4430C Clinical Parasitology 3 hrs

#### Junior Year - Spring
- 8 hrs
  - MLS 3305 Hematology 3 hrs
  - MLS 3305L Hematology Lab 1 hr
  - MLS 4630 Advanced Clinical Chemistry II 3 hrs
  - MLS 4460L Clinical Pathogenic Microbiology Lab 1 hr
  - MCB 3203 Pathogenic Microbiology 3 hrs

#### Junior Year - Summer
- 7 hrs
  - MLS 4334 Hemostasis 3 hrs
  - MLS 4550 Clinical Immunohematology 4 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term