



## Degree Progress Guide / Medical Laboratory Science –Fall 2018 Cohort

### CORE

| Suggested Semester | Course Code                                | Credit              | Semester Completed |
|--------------------|--|---------------------|--------------------|
| 1 <sup>st</sup>    | ENG 101 <sup>1</sup>                       | 3                   |                    |
|                    | CIV 101 <sup>2</sup>                       | 3                   |                    |
|                    | SCI 102 <sup>3</sup>                       | 3                   |                    |
|                    | BIO 102 <sup>3/4/9</sup> + Lab             | 4                   |                    |
|                    | MTH 133 <sup>5/10</sup>                    | 4                   |                    |
| 2 <sup>nd</sup>    | ENG 102 <sup>1</sup>                       | 3                   |                    |
|                    | CIV 102 <sup>2</sup>                       | 3                   |                    |
|                    | STT 201 <sup>5/6</sup>                     | 3                   |                    |
| 3 <sup>rd</sup>    | CIV 203 <sup>2</sup>                       | 3                   |                    |
|                    | CSC 101 <sup>7</sup>                       | 3                   |                    |
|                    | MTH 232 <sup>5</sup>                       | 4                   |                    |
| 4 <sup>th</sup>    | CIV 204 <sup>2</sup>                       | 3                   |                    |
| 5 <sup>th</sup>    | ENG 213 <sup>1</sup>                       | 3                   |                    |
| 6 <sup>th</sup>    | Social Sciences or Humanities <sup>8</sup> | 3                   |                    |
| <b>TOTAL</b>       |  | <b>/ 45 credits</b> |                    |

#### Core Requirements:

- <sup>1</sup> 9 credits of English/Writing  
<sup>2</sup> 12 credits of Social Science/Civilization  
<sup>3</sup> 7 credits of Science  
<sup>4</sup> 4 credits of a life science class and its lab  
<sup>5</sup> 11 credits of math  
<sup>6</sup> 3 credits of statistics  
<sup>7</sup> 3 credits IT course at general education level  
<sup>8</sup> 3 credits core/ general education eligible course - ECO 201, ART, LIT, ENG, POL, HIST, PHI, or GEO - up to 300 level.  
<sup>9</sup> Life Sciences (SCI 101) credits do not count towards the MLS major. General Biology I (BIO 102) is required instead. BIO 102 pre-requisites are SCI 101 and SCIL 101 or test placement in BIO 102.  
<sup>10</sup> College Algebra (MTH 101) credits do not count towards the MLS major. Pre-Calculus (MTH 133) is required instead. MTH 133 pre-requisites are MTH 101 or test placement in MTH 133

#### Lab Requirements:

All lab courses are co-requisite of the corresponding lecture component. *E.g., BIOL 203 is co-requisite of BIO 203*

#### Varied degree paths:

Exact degree path may vary, but pre-requisites must be met unless Curricular Exception form is filed. If academic record differs from the courses listed in this form, please contact Registrar's Office during advising week for clarification.

### MAJOR

| Suggested Semester                                    | Course Code  | Pre-requisite                          | Credit              | Semester Completed |
|---|--|--|---------------------|--------------------|
| 2 <sup>nd</sup>                                       | Biology II + Lab (BIO 203 + BIOL 203)  | BIO/L 102                              | 4                   |                    |
|   | Chemistry I + Lab (CHEM 232 + CHEML 232)   | SCI 102<br>MTH 133                     | 4                   |                    |
| 3 <sup>rd</sup>                                       | Chemistry II + Lab (CHEM 233 + CHEML 233)  | CHEM/L 232                             | 4                   |                    |
|   | Clinical Laboratory Science Methods & Techniques (HSCI 201)  | MLS Major Declaration                  | 2                   |                    |
| 4 <sup>th</sup>                                       | Physics for Life Sciences + Lab (PHYS 224 + PHYSL 224)<br><small>PHYS 232+lab can also fulfill this requirement.</small> | SCI 102<br>MTH 133                     | 4                   |                    |
|   | Organic Chemistry + Lab (CHEM 241 + CHEML 241)   | CHEM/L 233                             | 4                   |                    |
|   | Human Anatomy + Lab (BIO 231 + BIOL 231)   | BIO/L 203                              | 4                   |                    |
| 5 <sup>th</sup>                                       | Biochemistry + Lab (CHEM 351 + CHEML 351)  | CHEM/L 241                             | 4                   |                    |
|   | Physiology + Lab (BIO 341 + BIOL 341)  | CHEM/L 232<br>PHYS/L 232<br>BIO/L 231  | 4                   |                    |
|   | Microbiology + Lab (BIO 351 + BIOL 351)  | BIO/L 203<br>CHEM/L 233                | 4                   |                    |
|   | Bioethics (BIOE 301)   | BIO/L 203                              | 1                   |                    |
| 6 <sup>th</sup>                                       | Genetics & Molecular Biology + Lab (BIO 362 + BIOL 362)  | STT 201<br>BIO/L 203<br>CHEM/L 241     | 4                   |                    |
|   | Medical Immunology + Lab (HSCI 322 + HSCIL 322)  | BIO/L 341<br>BIO/L 351<br>HSCI 201     | 4                   |                    |
|   | Medical Hematology + Lab (HSCI 332 + HSCIL 332)  | Co:BIO/L 362<br>BIO/L 341<br>HSCI 201  | 4                   |                    |
|   | Medical Microbiology + Lab (HSCI 342 + HSCIL 342)  | BIO/L 351<br>HSCI 201                  | 4                   |                    |
| 7 <sup>th</sup> /<br>8 <sup>th</sup><br>Clinical Year | Medical Laboratory Science Operations (HSCI 451)   | HSCI 201                               | 3                   |                    |
|   | Public Health (BIOE 411)   | HSCI/L322                              | 1                   |                    |
|   | Clinical Urinalysis, Body Fluids & Parasitology + Lab (CLP 401 + CLPL 401)   |  | 4                   |                    |
|   | Clinical Lab Science Rotation I (CLP 411)  | HSCI/L 322<br>HSCI/L 332<br>HSCI/L 342 | 7                   |                    |
|   | Clinical Immunohematology + Lab (CLP 422 + CLPL 422)   |  | 3                   |                    |
|   | Clinical Chemistry + Lab (CLP 432 + CLPL 432)  |  | 4                   |                    |
|   | Clinical Lab Science Rotation II (CLP 442)   | CLP 411                                | 8                   |                    |
| <b>TOTAL</b>  |  |  | <b>/ 85 credits</b> |                    |

#### Clinical Year:

The Clinical Year consist of 30 credits of Clinical Practicum divided into 15 credits of Rotation at Clinical Sites and 14 credits of on Campus Practicum.

### DEGREE TOTALS

|              |  |
|--------------|--|
| <b>Core</b>  | <b>/45 credits (14 courses)</b>                  |
| <b>Major</b> | <b>/85 credits (15 courses + Clinical Year)</b>  |
| <b>Total</b> | <b>/130 credits (29 courses + Clinical Year)</b> |