



Academic Map: Medical Laboratory Technician (AAS)

Associate of Applied Science (A.A.S) | 66 Total Credits | CSN Degree Code: MLTECH-AAS | Catalog Year: 2021-2022 |

Health Sciences Health Sciences Department of Health Related Professions

Jobs and Employment Information: <https://www.csn.edu/healtharea>

DESCRIPTION: The Medical Laboratory Technician (MLT) is an important member of the health care team in hospitals, clinics, medical research, and teaching centers, and is an indispensable participant with physicians in providing critical diagnostic information.

TERM 1 – TOTAL CREDIT HOURS: 13-15

| | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Min Grade</u> | <u>Milestones and Notes</u> |
|--------------------------------|-----------------------|--------------------------------------------------|--------------------|-------------------------|------------------------------------|
| MATH 126E or MATH 126 or above | 3 | ACT/SAT or Placement | GE Math | C | |
| ENG 100 or 101 or 110 or 113 | 3-5 | ENG Place Score; or C or up in ENG 98 or ESL 139 | GE ENG Comp | C | |
| COM 101 Oral Communications | 3 | None | GE FA/HUM/SS | C | |
| PSC 101 or HIST 100 | 4 | None | Special Prog Req | C | Mandatory Advising Required |

TERM 2 – TOTAL CREDIT HOURS: 14

| | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Min Grade</u> | <u>Milestones and Notes</u> |
|-------------------------------------------|-----------------------|---------------------------------------------|--------------------|-------------------------|------------------------------------|
| BIOL 189 or BIOL 190 | 4 | ENG 100 or 101 or 113 and MATH 116 or above | GE Nat Science | C | |
| CHEM 121 General Chemistry I ¹ | 4 | CHEM 103 or CHEM 110 or Chemistry Placement | GE Nat Science | C | |
| PHIL 135 Introduction to Ethics | 3 | None | GE Human Rel | C | |
| ENG 102 or ENG 114 | 3 | C or up in ENG 100 or 101 or 110 or 113 | GE Com | C | Mandatory Advising Required |

TERM 3 – TOTAL CREDIT HOURS: 12

| | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Min Grade</u> | <u>Milestones and Notes</u> |
|----------------------------------------|-----------------------|------------------------------------------|--------------------|-------------------------|------------------------------------|
| CHEM 122 General Chemistry II | 4 | C or up in CHEM 121 | GE Nat Science | C | |
| CLS 161 Urinalysis and Body Fluids | 1 | Acceptance into CLS Program | Special Prog Req | C | |
| CLS 162 App Urinalysis and Body Fluids | 1 | Corequisite: CLS 161 | Special Prog Req | C | |
| CLS 265 Laboratory Operations I | 1 | Acceptance into MLT/MLS Program | Special Prog Req | C | |
| CLS 271 Clinical Microbiology I | 3 | Acceptance into CLS Program | Special Prog Req | C | |
| CLS 272 App Clinical Microbiology I | 2 | Corequisite: 271 | Special Prog Req | C | Mandatory Advising Required |

TERM 4 – TOTAL CREDIT HOURS: 4

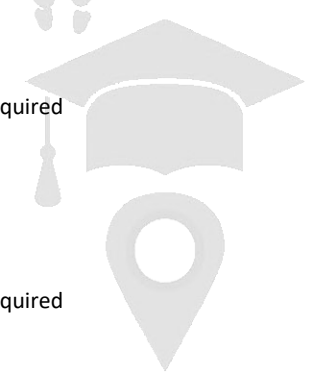
| | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Min Grade</u> | <u>Milestones and Notes</u> |
|------------------------------|-----------------------|------------------------------------------|--------------------|-------------------------|------------------------------------|
| CLS 294 Clinical Practicum I | 4 | CLS 272 | Special Prog Req | C | |

TERM 5 – TOTAL CREDIT HOURS: 11

| | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Min Grade</u> | <u>Milestones and Notes</u> |
|---------------------------------------|-----------------------|------------------------------------------|--------------------|-------------------------|------------------------------------|
| CLS 151 Phlebotomy | 2 | None | Special Prog Req | C | |
| CLS 152 Applied Phlebotomy | 2 | Corequisite: CLS 151 | Special Prog Req | C | |
| CLS 153 Phlebotomy Clinical Practicum | 2 | CLS 151 and CLS 152 | Special Prog Req | C | |
| CLS 241 Clinical Chemistry I | 3 | Acceptance into CLS Program and CHEM 121 | Special Prog Req | C | |
| CLS 242 Applied Clinical Chemistry I | 2 | Corequisite: CLS 241 | Special Prog Req | C | Mandatory Advising Required |

TERM 6 – TOTAL CREDIT HOURS: 8

| | <u>Credits</u> | <u>Pre-Requisite/Co-Requisite</u> | <u>Area</u> | <u>Min Grade</u> | <u>Milestones and Notes</u> |
|----------------------------------------|-----------------------|------------------------------------------|--------------------|-------------------------|------------------------------------|
| CLS 251 Immunology/Immuno-hematology I | 2 | Acceptance into CLS Program and CHEM 121 | Special Prog Req | C | |
| CLS 252 App Immuno/Immuno-hematology I | 2 | Corequisite: CLS 251 | Special Prog Req | C | |
| CLS 291 Hematology I | 2 | Acceptance into CLS Program and CHEM 121 | Special Prog Req | C | |
| CLS 292 Applied Hematology | 2 | Corequisite: CLS 291 | Special Prog Req | C | Mandatory Advising Required |



TERM 7 – TOTAL CREDIT HOURS: 4

CLS 295 Clinical Practicum II

Credits

2

Pre-Requisite/Co-Requisite

CLS 162 and CLS 242

Area

Special Prog Req

Min Grade

C

Milestones and Notes

CLS 296 Clinical Practicum III

2

CLS 252 and CLS 292

Special Prog Req

C

Mandatory Advising Required

¹Students who need CHEM 103 or CHEM 110 will complete a total of 69 - 70 credits for this degree.

