

**Clackamas Community College  
Clinical Laboratory Assistant Certificate  
to  
Oregon Institute of Technology  
Bachelor of Science in Medical Laboratory Science**

**Articulation Agreement  
2018-2019 Catalog**

It is agreed that students transferring from Clackamas Community College's (CCC) Clinical Laboratory Assistant Certificate to Oregon Institute of Technology's (Oregon Tech) Bachelor of Science in Medical Laboratory Science program (MLS) will be given full credit for all selected courses listed below. This agreement is based on the evaluation of the rigor and content of the general education and technical courses at both CCC and Oregon Tech and is subject to a yearly reevaluation by both schools for continuance. The agreement is dated July 1, 2018.

Under this agreement, students must have successfully completed CCC's CLA certificate, passed the ASCP Board Certification for CLA and hold a current certification before beginning the MLS program. Students must meet all other MLS program and Oregon Tech admissions requirements. Required biology and chemistry prerequisite course work must be completed within the last seven years prior to program entrance. If required biology and chemistry courses have not been completed within the seven year limit, then students will be required to take one chemistry and one biology course at the 200-level or above before entrance to the program. Completion of the Clinical Laboratory Assistant and certification does not guarantee admission into the competitive MLS program.

Baccalaureate students must complete a minimum of 60 credits of upper-division work before a degree will be awarded. Upper-division is defined as 300-and 400-level classes at a bachelor's degree granting institution. Baccalaureate students at Oregon Tech must complete 45 credits from Oregon Tech before a degree will be awarded.

Students are responsible for notifying the Oregon Tech Admissions and Registrar's Office when operating under an articulation agreement to ensure their credits transfer as outlined in this agreement. In order to utilize this agreement student must be attending CCC during the above catalog year. Students must enroll at Oregon Tech within three years of this approval.

### CCC Courses & Oregon Tech Equivalent Credits

Clackamas Community College Course Number & Title	Qtr. Units	Oregon Institute of Technology Course Number & Title	Qtr. Units
BI-211 General Biology for Science Majors	5	BIO 211 Principles of Biology	4
BI-212 General Biology for Science Majors	5	BIO 212 Principles of Biology	4
BI-213 General Biology for Science Majors	5	BIO 213 Principles of Biology	4
<b>or</b>		<b>or</b>	
BI 231 Human Anatomy & Physiology I	4	BIO 231 Human Anatomy & Physiology I	4
BI 232 Human Anatomy & Physiology II	4	BIO 232 Human Anatomy & Physiology II	4
BI 233 Human Anatomy & Physiology III	4	BIO 233 Human Anatomy & Physiology III	4
CLA 100 Introduction to Healthcare	2	General Elective (Does not count toward Medical Laboratory Science degree) <sup>1</sup>	--
CLA 101/L Clinical Lab Assist. Skills I w/lab	4		
CLA 102/L Clinical Lab Asst. Skills II w/lab	4		
CLA 103/L Clinical Lab Asst. Skills III w/lab	4		
CLA 115 Laboratory Administrative Skills	2		
CLA 118/L Phlebotomy for CLA wlab	2		
CLA 119 Phlebotomy/Lab Practicum I	3		
CLA 120 Phlebotomy/Lab Practicum II	4		
CLA 125 Introduction to Clinical Research	2		
CS 120 Survey of Computing	4		
PSY 101 Human Relations	3		
COMM 111 Public Speaking (recommended)	4	SPE 111 Public Speaking	3
MA 110 Medical Terminology	3	BIO 200 Medical Terminology	2
MTH 050 or 065 Tech Math I/Algebra II	4	Developmental course	--
WR 121 English Composition I (recommended)	4	WRI 121 English Composition	3
<b>Total CCC Certificate Credits <sup>1</sup></b>	<b>61-64</b>	<b>Total Oregon Tech Degree Credits</b>	<b>20</b>

**Please note students must also take one additional course in immunology to complete their MLS prerequisite courses. The immunology course may be completed at CCC or another accredited college or university.**

**Courses not required for CCC's Clinical Laboratory Assistant but are required for Oregon Tech's Bachelor of Science in Medical Laboratory Science. Can be taken at CCC or Oregon Tech. These courses are prerequisites for entrance into the MLS program.**

Clackamas Community College Course Number & Title	Qtr. Units	Oregon Institute of Technology Course Number & Title	Qtr. Units
COMM-140 Intercultural Communication	4	Communication Elective	9
COMM-218 Interpersonal Communication	4		
WR-227 Technical Report Writing	4		

Arts & Letters <sup>2</sup>	9	Humanities Elective <sup>2</sup>	9
Social Science <sup>3</sup>	12	Social Science Elective <sup>3</sup>	12
200-level Biology elective	3	200-level Biology elective	3
CH-221 General Chemistry	5	CHE 221 General Chemistry I	5
CH-222 General Chemistry	5	CHE 222 General Chemistry II	5
CH-223 General Chemistry	5	CHE 223 General Chemistry III	5
<b>or</b>		<b>or</b>	
200-level Chemistry elective	15	200-level Chemistry elective	15
200-level Chemistry elective	12	200-level Chemistry elective	12
MTH 111 College Algebra	5	MATH 111 College Algebra	4
WR 122 English Composition II	4	WRI 122 Argumentative Writing	3
<b>Additional CCC Credits</b>	<b>72</b>	<b>Additional Oregon Tech Degree Credits</b>	<b>67</b>
<b>Total CCC Credits <sup>1</sup></b>	<b>133-136</b>	<b>Total Oregon Tech Degree Credits <sup>2</sup></b>	<b>87</b>

**In addition to the above courses, the courses listed below are also required for the Bachelor of Science in Medical Laboratory Science and should be completed at Oregon Tech.**

<b>Oregon Institute of Technology Course Number &amp; Title</b>	<b>Qtr. Units</b>
BIO 345 Medical Microbiology	5
BIO 436 Immunology	4
MLS 415 Clinical Chemistry I	6
MLS 416 Clinical Chemistry II	6
MLS 417 Clinical Chemistry III	2
MLS 420 Clinical Immunology	5
MLS 422 Molecular Diagnostic Methods	3
MLS 424 Hemostasis	3
MLS 432 Foundations of MLS I	4
MLS 442 Hematology I	6
MLS 443 Immunohematology I	4
MLS 444 Microbiology I	6
MLS 445 Microbiology II	4
MLS 449 Principles of Urinalysis	3

MLS 452 Hematology II	5
MLS 453 Immunohematology II	3
MLS 457 Research Seminar	1
MLS 462 Foundations of MLS II	2
MLS 463 Foundations of MLS III	1
MLS 464 Medical Mycology & Virology	2
MLS 470 Chemistry and Immunology Externship	4
MLS 471 Hematology Externship	4
MLS 472 Microbiology Externship	4
MLS 473 Immunohematology Externship	3
MLS 474 Medical Parasitology	2
Statistics Elective	4
<b>Additional Oregon Tech Credits <sup>4</sup></b>	<b>96</b>
<b>Total Oregon Tech Degree Credits Accumulated <sup>5</sup></b>	<b>183</b>

1. Excess credits will transfer to Oregon Tech as general elective credit; these credits will **not** be used toward the Bachelor of Science in Medical Laboratory Science Degree.
2. Select courses from the following prefixes listed in CCC's Arts and Letters Discipline Studies: ART, ENG, HUM, MUS, PHL, R, TA, Second-Year Foreign Languages or others designated as Humanities by the Oregon Tech Registrar's Office. Please note that Oregon Tech only accepts 3 performance or studio based Humanities credits toward the 9 credit total.
3. Select courses from the following prefixes listed in CCC's Social Science: ANT, ECO, GEO, HST, PS, PSY, SOC, SSC, and WS or others designated as Social Science Electives by the Oregon Tech Registrar's Office.
4. Baccalaureate students must complete a minimum of 60 credits of upper-division work before a degree will be awarded. Upper-division is defined as 300- and 400- level classes at a bachelor's degree granting institution and 45 credits must be from Oregon Tech.
5. Oregon Tech's Bachelor of Science in Medical Laboratory Science requires 183 total credits.