



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

**Articulation Agreement
2021 - 2022 Catalog**

It is agreed that students transferring with Clackamas Community College's (CCC) Clinical Laboratory Assistant Certificate to Oregon Institute of Technology's (Oregon Tech) Bachelor of Science in Medical Laboratory Science (BMLS) program 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. This agreement is dated November 9th, 2021.

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.

Admission to Oregon Tech is not guaranteed. Students must apply for admission to Oregon Tech in accordance with the then-existing rules, policies, and procedures of Oregon Tech. Dual Enrollment is possible according to an existing Memorandum of Understanding. 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, students must be attending CCC during the above catalog year. Students must enroll at Oregon Tech within three years of this approval.

Clackamas Community College

DocuSigned by:
Amy Cannata 1/3/2022
BF94AE228D78848F...

Amy Cannata, Interim Director
Office of Education Partnerships

DocuSigned by:
Jason Kovac 1/3/2022
4D669697EFCFA465...

Jason Kovac, Dean
Institutional Effectiveness and Planning

DocuSigned by:
David Plotkin 1/3/2022
82BD7FEAB0684D9...

David Plotkin, Vice President
Instruction and Student Services

Oregon Institute of Technology

DocuSigned by:
Carleen Drago Starr 12/28/2021
23C9A2B38E4B2949C...

Carleen Drago Starr, Director
Educational Outreach and Partnerships

DocuSigned by:
Dawn Taylor 12/29/2021
DB15B9C3D6434FF...

Dawn Taylor, Department Chair
Medical Laboratory Science

DocuSigned by:
Dan Peterson 12/29/2021
3B0E8DCB5B019B3...

Dan Peterson, Dean
College of Health, Arts, and Sciences

DocuSigned by:
Wendy Ivie 1/3/2022
7221E685B193446...

Wendy Ivie, University Registrar

Clackamas Community College Degree Courses & Oregon Tech Equivalent Credits

Clackamas Community College Course Number & Title	Qtr. Units	Oregon Institute of Technology Course Number & Title	Qtr. Units
Prerequisites			
MA 110 - Medical Terminology	4	BIO 200 - Medical Terminology	--
MTH 111 - College Algebra ¹	5	MATH 111 - College Algebra	4
BI 231 - Human Anatomy and Physiology I ¹ BI 232 - Human Anatomy and Physiology II ¹ BI 233 - Human Anatomy and Physiology III ¹	15	BIO 231 - Human Anatomy and Physiology I BIO 232 - Human Anatomy and Physiology II BIO 233 - Human Anatomy and Physiology III	12
CLA 100 - Introduction to Health Care	2	Elective ²	--
CLA 101 - Clinical Laboratory Assistant Skills I CLA 101L - Clinical Laboratory Assistant Skills Lab I	5	Elective ²	--
CLA 102 - Clinical Laboratory Assistant Skills II CLA 102L - Clinical Laboratory Assistant Skills Lab II	5	Elective ²	--
CLA 115 - Laboratory Administrative Skills	4	Elective ²	--
CLA 118 - Phlebotomy for Clinical Laboratory Assistant CLA 188L - Phlebotomy for Clinical Laboratory Assistant Lab	4	Elective ²	--
CLA 120 - Laboratory/Phlebotomy Practicum II	6	Elective ²	--
CLA 123 – Clinical Laboratory Assistant Career Development	2	Elective ²	--
COMM 111 - Public Speaking	4	SPE 111 - Public Speaking	4
CS 120 - Survey of Computing	4	Elective ²	--
PSY 101 - Human Relations	4	Social Science Elective ²	3
WR 121 - English Composition ¹	4	WRI 121 - English Composition	4
Total CCC Degree Credits ²	68	Total Oregon Tech Degree Credits	27

Courses not required for Clackamas Community College's Clinical Laboratory Assistant Certificate, but are required for Oregon Tech's BS in Medical Laboratory Science prerequisites and can be taken at CCC or Oregon Tech.

Clackamas Community College Course Number & Title	Qtr. Units	Oregon Institute of Technology Course Number & Title	Qtr. Units
200-level Biology Courses Recommended: General Biology, Anatomy and Physiology, Molecular and/or Cell Biology and Genetics	4	200-level (or above) Biology Courses	3
200-level Chemistry Courses Recommended: General Chemistry, Organic Chemistry, and Biochemistry	24	200-level (or above) Chemistry Courses	24
BIO 234 - Introductory Microbiology	4	BIO 345 - Medical Microbiology or Micro Elective ³	5
Communication - Choose three (3): COMM 140 - Introduction to Intercultural Comm. COMM 218 - Interpersonal Communication COMM 219 - Small Group Discussion WR 123 - English Composition WR 227 - Technical Report Writing	12	COM 205 - Intercultural Communication COM 225 - Interpersonal Communication SPE 321 - Small Group and Team Communication ³ WRI 123 - Research Writing WRI 227 - Technical Report Writing	6
Humanities ⁴	9	Humanities ⁴	9
Immunology Course No CCC Equivalent - Can be taken at another accredited college, university, or Oregon Tech	4	BIO 436 - Immunology	4
MTH 243 - Statistics I	4	Satisfies Statistics Requirement: MATH 243 - Introductory Statistics	4
Social Science ⁵	9	Social Science Elective ⁵	9
WR 122 - English Composition II	4	WRI 122 - Argumentative Writing (if student didn't choose WR 227 in RCC Comm. Requirement)	4
Additional CCC Degree Credits ²	74	Additional Oregon Tech Degree Credits	68
Total CCC Degree Credits ²	141	Total Oregon Tech Degree Credits	95

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

Oregon Institute of Technology Course Number & Title	Qtr. Units
MLS 415 - Clinical Chemistry I	6
MLS 416 - Clinical Chemistry II	6
MLS 417 - Clinical Chemistry III	2
MLS 420 - Clinical Immunology and Infectious Serology	5
MLS 422 - Molecular Diagnostic Methods	3
MLS 424 - Hemostasis	3
MLS 432 - Foundations of Medical Laboratory Science 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 Medical Laboratory Science II	2
MLS 463 - Foundations of Medical Laboratory Science III	1
MLS 464 - Medical Mycology and 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
Additional Oregon Tech Credits ⁶	83
Total Oregon Tech Degree Credits ⁷	178 181

1. To maximize useable credits toward the BMLS, the listed course is recommended.
2. Excess credits will transfer to Oregon Tech as general elective credit with the exception of developmental course work; these credits will not be used toward the BMLS.
3. Does not count toward the 60 upper-division credit requirement.
4. Students can transfer up to nine (9) credit hours of Humanities electives into the BMLS; these courses should be designated as Humanities electives by Oregon Tech. However, only three (3) humanities credits can be studio/performance based. Choose from the following CCC prefixes: ART, ENG, HUM, MUS, PHL, R, TA, or Languages (second year/200-level only).
5. Students can transfer up to twelve (12) credit hours of Social Science electives into the BMLS; these courses should be designated as Social Science elective by Oregon Tech. Choose from the following CCC prefixes: ANT, EC, GEO, HST, PS, PSY, or SOC.
6. 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.
7. Oregon Tech's BMLS requires at least 178 credits. Some students may complete 181 credits.