

## Medical and Clinical Laboratory Technician Career Pathway Certificate

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### Less-Than-One-Year Certificate of Completion

The Medical and Clinical Laboratory Technician Career Pathway Certificate will prepare students for entry-level research in a field or laboratory setting. The pathway certificate may be earned with a total of 33 credits over two to three terms. The student may then choose to continue to the one-year certification or AAS degree.

This certificate is targeted towards individuals that are passionate about science and technology, but do not have the luxury of a lengthy time investment. This target audience may include traditional students, GED graduates, and individuals seeking career retraining.

### Program Learning Outcomes

Upon completion of the Medical and Clinical Laboratory Career pathway certificate, students will be able to:

- Explain and properly apply the scientific method.
- Prepare written and oral scientific communications that use tables, graphs, and sample calculations to report results.
- Critically evaluate contributions to science reported in all forms of media and be able to identify valid approaches to scientific inquiry, problem solving, and reporting.
- Demonstrate (show) proficiency in basic laboratory skills common to clinical and non-clinical research laboratories.

### Program Requirements

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Number of credit hours necessary for completion: **33**

#### Required Courses

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##### Communications

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##### Writing

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- [WRI 121 - English Composition I](#) **4.00 credits** or
- [WRI 121M - English Composition I](#) **5.00 credits**

##### Social Sciences

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- [PSY 225 - Abnormal Psychology I](#) **3.00 credits**

##### Technical Core

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- [BIO 207 - Medical Genetics](#) **3.00 credits**
  - [BIO 207L - Medical Genetics Lab](#) **1.00 credits**
  - [BIO 212 - Prin of Biology 2 \(Preprofessional\)](#) **4.00 credits**
  - [BIO 212L - Prin of Bio 2 Lab](#) **1.00 credits**
  - [BIO 231 - Anatomy & Physiology I](#) **3.00 credits**
  - [BIO 231L - Anat & Phys I Lab](#) **1.00 credits**
  - [BIO 234 - Microbiology I](#) **4.00 credits**
  - [BIO 234L - Microbiology I Lab](#) **1.00 credits**
  - [BIO 240 - Forensic DNA Biology](#) **4.00 credits**
  - [BIO 270 - Ecosystems](#) **4.00 credits**
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# **KLAMATH COMMUNITY COLLEGE**

## **Medical and Clinical Laboratory Technician Career Pathway Certificate**

### **Fall Term 2021**

#### **On Campus Courses**

CGS100.03	College Survival & Success	M, W, F	1:00 - 1:50
CAS133.02	Intro to Computing Skills Lecture	M, W	2:00 - 3:20
CAS133L.02	Intro to Computing Skills Lab	T, R	2:00 - 3:20
WRI121.02	English Composition I	M, T, W, R	1:00 - 1:50

#### **Online Courses**

CGS100.01DE	College Survival & Success		
CAS133.01DE	Intro to Computing Skills Lecture		
CAS133L.01DE	Intro to Computing Skills Lab		
PSY225.01DE	Abnormal Psychology I (Prerequisite: WRI121)		
BIO231.01DE	Anatomy & Physiology I		
BIO231L.01DE	Anatomy & Physiology I Lab (Prerequisites: MTH070 or MTH095 or MTH111 and WRI095 or WRI121 or placement into WRI121)		
ENV170.01DE	Environmental Science		
ENV170L.01DE	Environmental Science Lab (Prerequisite for BIO270)		
WRI121.01DE	English Composition I		



# **KLAMATH COMMUNITY COLLEGE**

## **Medical and Clinical Laboratory Technician Career Pathway Certificate**

### **Winter Term 2022**

#### **On Campus Courses**

BIO112.01	Integrated Chemistry and Cell Biology for Health Occupations	T, R	8:30 – 9:50
BIO112L.01	Integrated Chemistry and Cell Biology for Health Occupations Lab	T	11:00 – 1:50
	<u>(Recommended: Placement into MTH 070 or higher)</u>		
BIO240.01	Forensic DNA Biology	M, W	8:00 – 11:50
	<u>(Prerequisites: MTH070 or MTH095 or MTH111 or placement into MTH095 or MTH111 and WRI121)</u>		
WRI121.04	English Composition I	M, W	1:00 – 2:50

#### **Online Courses**

BIO112.01DE	Integrated Chemistry and Cell Biology for Health Occupations		
BIO112L.01DE	Integrated Chemistry and Cell Biology for Health Occupations Lab		
	<u>(Recommended: Placement into MTH070 or higher)</u>		
WRI121M.01DE	English Composition I		



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**Spring Term 2022**

**On Campus Courses**

BIO234.01	Microbiology I (Prerequisites: MTH095 <b>and</b> WRI095)	M, T	3:00 – 4:50
BIO234L.01	Microbiology I Lab	R	3:00 – 5:50

**Online Courses**

BIO234.01DE	Microbiology I (Prerequisites: MTH095 <b>and</b> WRI095)		
BIO234L.01DE	Microbiology I Lab		
BIO270.01DE	Ecosystems (Prerequisites: BIO212 <b>or</b> ENV179 <b>and</b> MTH095 <b>or</b> MTH111 <b>or</b> Placement into MTH111 <b>and</b> WRI095 <b>or</b> WRI121 placement into WRI121)		