

# PRE-CLINICAL LABORATORY SCIENCE OPTION

This option is offered within the following major(s):

- BioHealth Sciences - College of Science (<http://catalog.oregonstate.edu/college-departments/science/school-life-sciences/microbiology/biohealth-sciences-bs-hbs/>)

Clinical laboratory scientists (also known as medical laboratory scientists or medical technologists) perform routine and highly specialized diagnostic procedures in clinical laboratories. They must be certified by the American Society of Clinical Pathologists (ASCP) or the National Certification Agency (NCA). Certification requires 12 to 15 months of training at an accredited professional school of clinical laboratory science. Oregon currently has one such school jointly administered by the Oregon Health and Science University (OHSU) and Oregon Institute of Technology (OIT); Washington and California have several. Most clinical laboratory science schools require a bachelor of science degree for admission to their educational program; however, some schools (notably OHSU/OIT) accept students who have had three years of appropriate college work. Most pre-clinical laboratory science students complete the BS degree in BioHealth Sciences/Pre-CLS option before attending a clinical laboratory science program (4+1 program).

The BioHealth Sciences major combined with the Pre-Clinical Laboratory Science option is designed to meet most or all of the requirements for admission to CLS programs across the U.S. Satisfactory completion of the pre-CLS option facilitates, but does not guarantee, admission to a CLS program; applicants are selected on a competitive basis. Students are urged to carefully check admission requirements at their schools of interest and work closely with admission representatives in order to make sure they are meeting all current requirements.

Students may not combine the Pre-Clinical Laboratory Science option with any other option offered with the BioHealth Sciences major (Pre-Medicine/Pre-Podiatry, Pre-Pharmacy, Pre-Dentistry, Pre-Optometry, Pre-Physical Therapy, Pre-Physician Assistant).

**Option Code: 576**

Courses may be used to meet requirements for the BHS core and/or bacc core. For the Pre-Clinical Laboratory Sciences option, MB 416 will meet the BHS core requirement for an immunology course.

Code	Title	Credits
BI 331 & BI 332 & BI 333	ADVANCED HUMAN ANATOMY AND PHYSIOLOGY and ADVANCED HUMAN ANATOMY AND PHYSIOLOGY and ADVANCED HUMAN ANATOMY AND PHYSIOLOGY	9
BI 341 & BI 342 & BI 343	ADVANCED HUMAN ANATOMY AND PHYSIOLOGY LABORATORY and ADVANCED HUMAN ANATOMY AND PHYSIOLOGY LABORATORY and ADVANCED HUMAN ANATOMY AND PHYSIOLOGY LABORATORY	6
MB 416	IMMUNOLOGY	3
Select one of the following:		3
MB 436	THE HUMAN MICROBIOME	
MB 480	GENERAL PARASITOLOGY	
H 425	FOUNDATIONS OF EPIDEMIOLOGY	
Select one of the following:		3-4
PSY 350	HUMAN LIFESPAN DEVELOPMENT	
PSY 381	ABNORMAL PSYCHOLOGY	

SOC 204	*INTRODUCTION TO SOCIOLOGY	
SOC 206	*SOCIAL PROBLEMS AND ISSUES	
Total Credits		24-25

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Baccalaureate Core Course (BCC)

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Writing Intensive Course (WIC)

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