

USC SCHOOL	Keck School of Medicine
ACADEMIC DEPARTMENT	Molecular Microbiology & Immunology
GRADUATE PROGRAM	M.S. Molecular Microbiology & Immunology
POST CODE	722
TERM EFFECTIVE DATE	Spring 2021

PROGRAM DESCRIPTION

A brief description of the graduate program.

The primary objective of the Master of Science program in Molecular Microbiology and Immunology is to prepare students for a career in the broad field of biomedical sciences with focus on, but not limited to, microbiology, virology, immunology and cancer research. This program provides extensive theoretical preparation in combination with hands-on research, where students are trained in research laboratories located on the University of Southern California's Health Sciences Campus – comprised of the Keck School of Medicine, the School of Pharmacy and the USC Norris Comprehensive Cancer Center – or Children's Hospital Los Angeles (CHLA).

COMMON BACHELOR DEGREE PROGRAM PATHWAYS

A list of common bachelor's degrees that undergraduate students pursue in advance of pursuing a progressive degree option with this graduate program. Some programs are restricted to certain majors while others are open to all students.

Human Biology	Chemistry
Neuroscience	Pharmacology and Drug Development
Biological Sciences	Major evaluated on a case to case basis
Biochemistry	

PREPARATORY UNDERGRADUATE COURSES

A list of courses at the undergraduate level that prepare students for the graduate program. Required coursework is listed first, followed by recommended courses. If not applicable, this section will be blank.

Dept. Prefix - Course #	Course Title	Required or Recommended	Units
	NONE		

UNDERGRADUATE COURSES USED TO REDUCE GRADUATE LEVEL UNITS

A list of undergraduate level courses that may be used to reduce the number of graduate level units required for the graduate program. If there are none, that is specified instead.

Dept. Prefix - Course #	Course Title	Units
	NONE	

CORE GRADUATE PROGRAM REQUIREMENTS (# units required)

A list of all required graduate courses for the graduate program. None of these courses may be used toward satisfying undergraduate degree requirements.

If special exceptions for any of these courses are made by the academic department, the course # is marked with an asterisk () and the exception is explained in the "Department Notes" section at the end of this course plan template.*

Dept. Prefix - Course #	Course Title	Units
INTD 522	Infection and Host Response	4
MICB 549	Student Seminar	1
MICB 560	Recent Advances in Microbiology	1
MICB 570	Microbiology Research Seminar	4
MICB 594A	Thesis Research	2
MICB 594B	Thesis Research	2
BIOC 511	Foundations of Molecular Medicine	4
MICB 542*	Animal Virology	2
MICB 502*	Molecular and Cellular Immunology	2
MICB 590	Directed Research	3-5 (units vary to meet 25 units requirement)

PRE-APPROVED ELECTIVE COURSEWORK

Elective coursework is approved at the discretion of the academic department. Note the following details about the total number and units required of elective coursework.

0	TOTAL ELECTIVE COURSES REQUIRED FOR THE TRADITIONAL GRADUATE DEGREE
0	TOTAL ELECTIVE UNITS REQUIRED FOR THE TRADITIONAL GRADUATE DEGREE

TOTAL UNIT COUNTS AND REQUIRED GRADUATE UNITS

34	TOTAL UNITS REQUIRED FOR THE TRADITIONAL GRADUATE DEGREE
9	TOTAL GRADUATE UNITS THAT MAY BE WAIVED (IF ANY)
25	MINIMUM NUMBER OF GRADUATE UNITS THAT MUST BE AT THE 500 LEVEL OR ABOVE

NOTES FROM THE DEPARTMENT

This section highlights any unique considerations, exceptions, or requirements for the graduate program. If a program has specific restrictions (courses, majors, etc.), they are detailed below.

MICB 542 course offered only in odd-numbered years

MICB 502 course offered only in even-numbered years

Axel H. Schönthal

4/4/2021

Name of Authorizing Master's Program Dean

Date Approved

Associate Dean for Biomedical Master's Programs

Authorizing Dean's Title