

# Health Profession Prerequisite Course Options

This list includes prerequisite subjects across many health professions. You DO NOT need to take all of the classes on this list, only the ones required by your health profession. Check school websites and refer to your major requirements when choosing classes.

Subject	Course Number	Course Title	Format	Units	Prerequisite Courses
<b>Science Prerequisites</b>					
<b>Animal Nutrition</b>	ANS 123	Animal Growth & Development <i>(for ANS majors)</i>	Lecture & Discussion	4	BIS 103 or ABI 103; NPB 101 or ANS 100
	NUT 115	Animal Nutrition	Lecture & Lab	4	CHE 8B or 118B
	NUT 122	Ruminant Nutrition & Digestive Physiology <i>(for ANS majors)</i>	Lecture & Lab	4	ABI 103 or BIS 103; ANS 100 or NPB 101
<b>Biochemistry*</b>	BIS 102	Structure & Function of Biomolecules	Lecture	3	BIS 2A; CHE 8B, CHE 118B or 128B
	BIS 103	Bioenergetics & Metabolism	Lecture	3	BIS 102
	BIS 105	Biomolecules & Metabolism	Lecture	3	BIS 2ABC; CHE 8B, 118B or 128B
	<i>*Students take either BIS 102 and BIS 103, or BIS 105</i>				
<b>Cell Biology</b>	BIS 104	Cell Biology	Lecture	3	BIS 101; BIS 102 or BIS 105
<b>Embryology</b>	<i>Not offered as an undergraduate course at UC Davis.</i>				
<b>Exercise Physiology</b>	EXB 101	Exercise Physiology	Lecture	4	NPB 101
<b>General Biology</b>	BIS 2ABC	Introduction to Biology	Lecture & Lab	15	No prerequisites
<b>General Chemistry</b>	CHE 2ABC	General Chemistry	Lecture, Lab & Discussion	15	Chemistry Placement Exam
<b>Genetics</b>	BIS 101	Genes & Gene Expression	Lecture (Discussion optional)	4	BIS 2ABC; STA 13, STA 100, STA 102 or STA 130A; CHE 8B, CHE 118B or CHE 128B
<b>Human Anatomy</b>	EXB 106	Human Gross Anatomy	Lecture	4	BIS 2A
	EXB 106L	Human Gross Anatomy Laboratory	Lab	3	EXB 106 concurrently
<b>Hematology</b>	<i>Offered as UC Davis Extension course.</i>				
<b>Immunology</b>	MMI 188	Human Immunology	Lecture	3	Lower division BIS course
<b>Kinesiology</b>	EXB 103	Analysis and Control of Human Movement	Lecture, Lab & Discussion	3	EXB 106 & 106L; PHY 7AB
<b>Medical Microbiology</b>	MMI 130	Medical Myology	Lecture	2	Course in pathogenic microbiology or consent of instructor
	MMI 188	Human Immunology	Lecture	3	BIS 2A, 2B or 2C
<b>Microbiology</b>	MIC 102	Introductory Microbiology	Lecture	3	BIS 2A, CHE 2B (may be concurrent)
	MIC 103	Introductory Microbiology Lab	Lab	2	MIC 102, CHE 2B (may be concurrent)
	MIC 104	General Microbiology <i>(for MIC majors)</i>	Lecture	4	BIS 101; BIS 103 or BIS 105
	MIC 104L	General Microbiology Laboratory <i>(for MIC majors)</i>	Lab	3	MIC 102 or MIC 104 (may be concurrent)
<b>Nutrition</b>	NUT 10	Discoveries & Concepts in Nutrition	Lecture	3	No prerequisites.
	NUT 11	Current Topics & Controversies in Nutrition	Discussion	2	No prerequisites.
<b>Organic Chemistry</b>	CHE 8AB	Organic Chemistry: Brief Course	Lecture & Lab (8B only)	6	CHE 2B
	CHE 118ABC	Organic Chemistry for Health & Life Sciences	Lecture, Lab, & Discussion	12	CHE 2C
	CHE 128ABC	Organic Chemistry <i>(for CHE majors)</i>	Lecture	9	CHE 2C
	CHE 129ABC	Organic Chemistry Laboratory <i>(for CHE majors)</i>	Lecture & Lab	6	CHE 2C; CHE 128 (may be concurrent)
<b>Physics</b>	PHY 7ABC	General Physics	Lecture & Discussion/Laboratory	12	MAT 16B, MAT 17B or MAT 21B (may be concurrent)
	PHY 9ABCD	Classical Physics	Lecture, Lab & Discussion	20	MAT 21B
<b>Physiology</b>	NPB 101	Systemic Physiology	Lecture	5	BIS 2A; CHE 2B; PHY 7C (recommended)
	NPB 101L	Systemic Physiology Laboratory	Lab	3	NPB 101 (may be concurrent)
<b>Social Science</b>					
<b>Economics</b>	ECN 1A	Principles of Microeconomics	Lecture & Discussion	4	No prerequisites.
	ECN 1B	Principles of Macroeconomics	Lecture & Discussion	4	No prerequisites.
<b>Lifespan Human Development</b>	HDE 100ABC	HDE 100A: Infancy & Early Childhood HDE 100B: Middle Childhood & Adolescence HDE 100C: Adulthood & Aging	Lecture	12	PSC 001; BIS 2A, BIS 010, MCB 010, NPB 010, NPB 012 or MIC 010
<b>Psychology</b>	PSC 1	General Psychology	Lecture	4	No prerequisites.
<b>Abnormal Psychology</b>	PSC 168	Abnormal Psychology	Lecture	4	PSC 1; PSC 41
<b>Sociology</b>	SOC 1	Introduction to Sociology	Lecture & Discussion	5	No prerequisites
	SOC 3	Social Problems	Lecture & Discussion	4	No prerequisites
	SOC 154	Sociology of Healthcare	Lecture & Discussion	4	No prerequisites

Humanities					
<b>Critical Thinking</b>	PHI 5	Critical Reasoning	Lecture	4	No prerequisites.
<b>English Composition</b>	<i>Any ENL, COM or UWP will satisfy this requirement in most cases. Check school websites.</i>				
Mathematics					
<b>Mathematics</b>	MAT 16ABC	Short Calculus	Lecture	9	Math Placement Exam
	MAT 17ABC	Calculus for Biology and Medicine	Lecture & Discussion	12	Math Placement Exam
	MAT 21ABCD	Calculus	Lecture & Discussion	16	Math Placement Exam
<b>Statistics</b>	STA 13	Elementary Statistics	Lecture & Discussion	4	High school algebra
	STA 100	Applied Statistics for Biological Sciences	Lecture & Lab	4	MAT 16B, MAT 17B or MAT 21B
Other					
<b>Communication</b>	CMN 1	Introduction to Public Speaking	Lecture & Discussion	4	No prerequisites.
	CMN 3	Interpersonal Communication Competence	Lecture & Discussion	4	No prerequisites.
<b>Written Communication</b>	ENL 3	Introduction to Literature	Lecture & Discussion	4	Entry Level Writing Req.
	UWP 101	Advanced Composition	Lecture & Discussion	4	UWP 1 or equivalent; upper division standing
	UWP 102	Writing in the Disciplines	Lecture & Discussion	4	UWP 1, ENL 3 or equivalent
	UWP 104	Writing in the Professions	Lecture & Discussion	4	UWP 1, ENL 3 or equivalent
<b>Medical Terminology</b>	<i>Online course; not offered at UC Davis.</i>				

### Have questions about choosing pre-health classes?

Make an appointment with a pre-health advisor at [hpa.ucdavis.edu](http://hpa.ucdavis.edu)