

Option III Major Requirements (37 hours)

Biomedical Science Concentration

1. Required Additional Pre-Medical Sciences Courses:

SUBJECT	COURSE	CREDIT HOUR	SEMESTER	GRADE
Elements of Calculus II or Calculus II	1440 or 1522	3/4		
Evolution and Ecology	303/303L	4		
Anatomy and Physiology I + Lab	2210+2210L	4		
Anatomy and Physiology II + Lab	2225+2225L	4		
Microbiology	2305L or 351/352L	4		

2. Upper-Division Elective Requirements (6 Courses, 18 hours total – all must be upper-division, which is 300-400 level, but one *must* be a 400-level course):

SUBJECT	COURSE	CREDIT HOUR	SEMESTER	GRADE

Detailed Requirements

The following are accepted departments and course suggestions. Students must consult the BA/MD advisors for approval of courses not listed below. Keep in mind the following course suggestions may not be offered every fall and spring semester. It is your responsibility to meet with your advisor so you can plan accordingly.

- Africana Studies
 - AFST 307: African Diaspora in the Southwest
- American Studies
 - AMST 330: Topics in Feminist, Queer, and Transgender Studies
- Anthropology
 - ANTH 310: Language and Culture
 - ANTH 330: Principles of Cultural Anthropology
 - ANTH 350: Human Genetics and Genomics
- Biochemistry
 - BIOC 463, 464: Biochemistry of Disease I and II
- Biology
 - BIOL 351 and 352L: General Microbiology and Laboratory
 - BIOL 412: Developmental Biology
 - BIOL 425: Molecular Genetics
 - BIOL 429: Molecular Cell Biology I
 - BIOL 435: Animal Physiology
 - BIOL 445: Biology of Toxins
 - BIOL 446: Laboratory Methods in Molecular Biology
 - BIOL 447: Pharmacology: Mechanisms of Drug Reaction
 - BIOL 450: General Virology
 - BIOL 451: Microbial Ecology
 - BIOL 456: Immunology

- BIOL 482L: Parasitology
 - BIOL 490: The Biology of Infectious Organisms
 - BIOL 492: Introductory Mathematical Biology
 - BIOL 497: Principles of Gene Expression
- Chemistry
 - Chem 315: Introductory Physical Chemistry
 - Chem 421: Biological Chemistry/Chemical Biology I
- Chicana and Chicano Studies
 - CCS 310: Immigration and Assimilation
 - CCS 342: Race, Culture, Gender, Class in New Mexico History
 - CCS 364: Raza Genders and Sexualities
- Classical Studies
- Comparative Literature and Cultural Studies
- Criminology
- Earth and Planetary Sciences
- Economics
 - ECON 335: Health Economics
 - ECON 410: Topics in Health Economics
- English
 - ENGL 364: Topics in Native American Literature and Culture
 - ENGL 413: Scientific, Environmental, and Medical Writing
- Environmental Sciences
- Foreign Languages and Literatures
 - Arabic, Chinese, Classical Studies, Comparative Literature and Cultural Studies, French, German, Greek, Italian, Japanese, Latin, Portuguese, Modern Russian, Swahili
- Geography
- History
 - Hist 300: Studies in History (with medical/health focus)
- International Studies
- Journalism and Mass Communication
 - CJ 318: Language, Thoughts, and Behavior
 - CJ 450: Health Communication
- Latin American Studies
 - LTAM 400: Topics in Latin American Studies (Curanderismo Part I)
- Linguistics
 - LING 334: Language and Gender
 - LING 367: Psychology of Language
- Mathematics
- Native American Studies
 - NATV 423: Self Determination and Indigenous Human Rights
 - NATV 450: Topics in Native American Studies (Race and Inequality)
- Philosophy
- Physics and Astrophysics
- Political Science
 - POLS 376: Health Policy and Politics
 - POLS 377: Population Policy and Politics
- Psychology
 - PSYC 332: Abnormal Behavior
 - PSYC 342: Evolution and Human Behavior
 - PSYC 347: Drugs and Behavior
- Religious Studies
 - RELG 447: Seminar in Religious Studies (Comparative Religious Ethics)

- Spanish
 - SPAN 301: Topics in Hispanic Culture in Language (Medical Spanish)
 - SPAN 305: Medical Spanish and Public Health
- Signed Language Interpreting
 - SIGN 352: Language Culture in the Deaf Community I
 - SIGN 355: Deaf History and Literature
- Sociology
 - SOCI 340: Sociology of Medical Practice
 - SOCI 346: Health and Social Inequalities I
- Statistics
- Women Studies
 - WGSS 304: Feminist Theories
 - WGSS 325: Race, Class, and Feminism