

# MINOR IN PRE-MEDICAL STUDIES

The minor in premedical studies is intended for those students who plan to apply to medical school and has been approved by the Premedical Advisory Committee. The minor includes courses that satisfy the prerequisite coursework of most medical schools, cover the majority of topics on the MCAT and other entrance examinations, and courses designed to increase the competitiveness of a student's application.

Students may complete courses on this list as part of their major, core curriculum, or free electives. Regardless of where each course fits into a student's curriculum, any student who completes all of these courses (or substitutes approved by the Premedical Advisory Committee) will be credited as having received this minor.

## Required Courses

Code	Title	Credit Hours
BIOL 107	General Biology Lectures	3
BIOL 109 or BME 405	General Biology Laboratory Physiology Laboratory	1-2
BIOL 115	Human Biology	3
BIOL 117	Human Biology Laboratory	1
BIOL 214	Genetics	3
Select one of the following:		4-6
BIOL 401 & BIOL 402	Introductory Biochemistry and Metabolic Biochemistry	6
BIOL 403	Biochemistry	4
Select one of the following:		3
BIOL 430	Human Physiology	3
BIOL 445	Cell Biology <sup>1</sup>	3
BME 453	Quantitative Physiology	3
CHEM 124	Principles of Chemistry I with Laboratory	4
CHEM 125	Principles of Chemistry II with Laboratory	4
CHEM 237	Organic Chemistry I	4
CHEM 239	Organic Chemistry II	3
CHEM 240	Organic Chemistry Laboratory	2
MATH 151	Calculus I	5
MATH 152	Calculus II	5
Choose one of the following statistics courses:		3-4
BME 433	Biomedical Engineering Applications of Statistics	3
BUS 221	Business Statistics	3
CHE 426	Statistical Tools for Engineers	3
MATH 374	Probability and Statistics for Electrical and Computer Engineers	3
MATH 425	Statistical Methods	3
MATH 474	Probability and Statistics	3
MATH 476	Statistics	3
PSYC 203	Undergraduate Statistics for the Behavioral Sciences	4
PHYS 123	General Physics I: Mechanics	4
PHYS 221	General Physics II: Electricity and Magnetism	4
Humanities 200-level course		3
Choose one of the following ethics courses:		3
PHIL 351	Science and Values	3
PHIL 360	Ethics	3
PHIL 380	Topics in Philosophy (Bioethics)	3
Choose one of the following communication courses:		3
COM 301	Introduction to Linguistics	3
COM 308	Structure of Modern English	3

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COM 309	History of the English Language	3
COM 371	Persuasion	3
COM 421	Technical Communication <sup>2</sup>	3
COM 428	Verbal and Visual Communication <sup>2</sup>	3
COM 435	Intercultural Communication <sup>1</sup>	3
SOC 200 or SOC 203	Introduction to Sociology <sup>1</sup>	3
PSYC 221	Introduction to Psychological Science	3
Choose one of the following psychology courses:		3
PSYC 303	Introduction to Psychopathology	3
PSYC 310	Social Psychology	3
PSYC 330	Health Psychology	3
PSYC 414	Neural and Biological Bases of Behavior <sup>1,2</sup>	3
Choose one of the following PS or SSCI courses:		3
PS 313	Comparative Public Policy	3
SSCI 318	Global Health	3
SSCI 319	Comparative Health Systems	3
SSCI 321	Social Inequality	3

**Total Credit Hours** **77-81**

<sup>1</sup> Indicates the preferred course.

<sup>2</sup> Indicates courses in which students must petition to allow them to count for the core curriculum requirements.