

## Prerequisite Equivalents: What should you take at the School of Mines?

If the professional program wants this . . . . . take these courses.

Two semesters of biology with lab	BIOL 151/151L General Biology I and Lab (3/1) BIOL 153/153L General Biology II and Lab (3/1)
Two semesters of anatomy and physiology with labs	BIOL 221/221L Human Anatomy and Lab (3/1) BIOL 326/326L Biomedical Physiology and Lab (3/1)
Two semesters of general chemistry with labs	CHEM 112/112L General Chemistry I and Lab (3/1) CHEM 114/114L General Chemistry II and Lab (3/1)
Two semesters of organic chemistry with labs	CHEM 326/326L Organic Chemistry I and Lab (3/2) CHEM 328/328L Organic Chemistry II and Lab (3/2)
One or two semesters of biochemistry with labs	CHEM 464/464L Biochemistry I and Lab (3/1) CHEM 465/465L Biochemistry II and Lab (3/1)
Microbiology and lab	BIOL 331/331L Microbiology and Lab (3/1)
Genetics and lab	BIOL 371/371L Genetics and Lab (3/1)
Molecular cell biology	BIOL 446 Molecular Cell Biology (3)
Physics	PHYS 111/111L Introductory Physics I & Lab (3/1) PHYS 113/113L Introductory Physics II & Lab (3/1) <u>OR</u> PHYS 211 University Physics I (3) PHYS 213/213L University Physics II and Lab (3/1)
Statistics	MATH 281 Introduction to Statistics (3) <u>OR</u> MATH 381 Intro to Probability and Stats (3)
Mathematics	MATH 123 Calculus I (4) MATH 125 Calculus II (4) MATH 225 Calculus III (4)
Composition or Technical Writing	ENGL 101 Composition I (3) ENGL 279 Technical Communications I (3) ENGL 289 Technical Communications II (3)
Psychology	PSYC 101 General Psychology (3) PSYC 321 Human Development: Lifespan (3) PSYC 451 Psychology of Abnormal Behavior (3)
Sociology	SOC 100 Introduction to Sociology (3) SOC 150 Social Problems (3)
Ethics	BIOL 375 Issues in Biomedical Ethics (3) PHIL 220 Introduction to Ethics (3)
Economics	ECON 201 Principles of Microeconomics (3) ECON 202 Principles of Macroeconomics (3)