

Content Courses Required for Admission to Online MAT in Lieu of Related Degree

Mathematics – 26 hours*

Calculus I (4)
Calculus II (4)
Linear Algebra (3)
Mathematical Structures / Proof (3)
Geometry (3)
Statistics (3)
Upper level math w/ Calculus I or higher as a prerequisite (3)
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Biology – 44 hours*

Introductory Physics (8 hrs. algebra-based)
Introductory Chemistry (8 hrs.)
Introductory Biology (8 hrs.)
Botany (4 hrs.)
Ecology (4 hrs.)
Evolutionary Biology (4 hrs.)
Genetics (4 hrs.)
Zoology (4 hrs.)

Chemistry – 39 hours*

Introductory Physics (8 hrs. algebra-based)
Introductory Biology (4 hrs.)
General Chemistry I & II (8 hrs.)
Analytical Chemistry (8 hrs.)
Organic Chemistry I & II (8 hrs.)
Biochemistry (3 hrs.)

Earth and Space Science – 37 hours*

Introductory Physics (8 hrs. algebra-based)
Introductory Chemistry (8 hrs.)
Introductory Biology (4 hrs.)
Physical Geology (4 hrs.)
Historical Geology (4 hrs.)
Oceanography (3 hrs.)
Meteorology (3 hrs.)
Astronomy (3 hrs.)

Physics – 36 hours*

Calculus I and II (8 hr)
Introductory Chemistry (8 hrs.)
Introductory Biology (4 hrs.)
General Physics I & II (8 hrs. calculus-based)
Mechanics (4 hrs.)
Electricity & Magnetism (4 hrs.)

*Some required content courses may have prerequisites. All prerequisites must be met prior to enrolling in a course.