Title	Credits
University Chemistry I, II, III with Laboratory	15
Calculus I and II - Differential and Integral Calculus	10
University Physics I, II, III with Laboratory	15
Technical Writing	4
Classical Mechanics	*6
Quantum Mechanics	*8
Electrodynamics	*12
Vector Calculus	4
Applied Linear Algebra	*4
Fourier Techniques	*4
Introduction to MATLAB programming	4
MATLAB programming	*2
Abstract Algebra	*8
Euclidean and Non-Euclidean Geometry	*5
Topology	*9
Real Analysis	*8
Complex Analysis	*5
Mathematical Reasoning: Proofs, Elementary Logic and Set Theory	*4
Seminar: History of Mathematics	5
Seminar: Philosophy and Culture of Mathematics	4
Tutoring Math and Science For Social Justice	2
Combinatorics	*6
German, Beginning I, II	8
Differential Equations	*4
Statistical Mechanics, Statistical Physics, Thermodynamics	*3
Functional Programming	*4
Formal Language Theory	*6
Data Structures	*4
Algorithms	*4
SQL	*4
Reinforcement Learning	*6
Bayesian Graph Theory	*6