

APAM Major Requirements		
Class	Credits: 34	Grade
Linear Algebra	3	A
Junior Seminar	1	P
Complex Variables	3	A+
Partial Differential Equations	3	A+
Numerical methods	3	A+
Analysis and Optimization	3	A
Dynamical systems	3	A
Senior Seminar	3	A
Differential Geometry	3	A
Statistics	3	A+
Applied Stochastic Analy.	3	A
Math of Data Science	3	A+

Technical Requirements		
Class	Credits: 40	Grade
AP Calc	6	5
Multivariable Calculus	4	A
AP Phys C	4	5,5
Accelerated Phys I	4.5	A
Accelerated Phys II	4.5	P (forced)
Chemistry	4	B+
Art of Engineering	4	A+
Intro Computer Science	3	P (forced)
Lab (Quantum Comp. / Sim.)	3	A+
ODE	3	P (forced)

CS Minor & Tech Electives		
Class	Credits: 20	Grade
AP CS	3	5
Data Structures	4	A
Advanced Programming	4	A-
Discrete Math	3	A+
CS Theory	3	P
Fund Comp Sys	3	P (forced)

Nontech		
Class	Credits: 31	Grade
University Writing	3	P (forced)
Contemporary Civilization I	4	A
Contemporary Civilization II	4	A
Music Hum	3	A+
Economics	4	P (forced)
AP Latin	3	5
Game of Thrones	4	A+
Intro East Asian Civ (Japan)	4	A
PE (Soccer)	1	P
PE (Soccer)	1	P

More CS Classes		
Class	Credits: 21	Grade
Artificial Intelligence	3	A+
Unsupervised Learning	3	A
Machine Learning	3	A
NLP	3	P
Open Source	3	A
Applied Computer Vision	3	A+
Analysis of Algorithms	3	A

Other		
Class	Credits: 15	Grade
Applied EM	3	P
Thermo / Stat Mech / Kinetics	3	P
Applied Linear Algebra	3	A
Disc. Time Models in Finance	3	A
Methods in Computational. Sci.	3	A