

# QUANTIFICATION COURSES

These courses have been approved as General Education Quantification courses. This course list is updated periodically. Descriptions and learning criteria for General Education Quantification courses can be found in the Foundation and Knowledge Domains section (<https://bulletins.psu.edu/undergraduate/general-education/domains/>).

Code	Title	Credits
AGBM 106	Agribusiness Problem Solving	3
CMPSC 101	Introduction to Programming	3
CMPSC 200	Programming for Engineers with MATLAB	3
CMPSC 201	Programming for Engineers with C++	3
CMPSC 203	Introduction to Spreadsheets and Databases	4
CMPSC 208	Technical Game Development	3
CRIMJ 260	Statistical Analysis for the Social Sciences	3
DA 101	Introduction to Data Analytics	3
EDPSY 101	Analysis and Interpretation of Statistical Data in Education	3
EME 210	Data Analytics for Energy Systems	3
GAME 250	Technical Game Development	3
GAME 251	2D Game Programming	3
GEO SC 210	Geoscience Data Analytics	3
HDFS 200	Quantitative Skills for Human Services	3
HM 350	Hospitality Revenue and Profit Optimization	3
KINES 384	Biomechanics	3
MATH 21	College Algebra with Analytic Geometry with Applications I	3
MATH 22	College Algebra With Analytic Geometry and Applications II	3
MATH 26	Plane Trigonometry and Applications of Trigonometry	3
MATH 26H	Plane Trigonometry	3
MATH 32	Math for Allied Health Professions	3
MATH 33	Mathematics for Sustainability	3
MATH 34	The Mathematics of Money	3
MATH 35	General View of Mathematics	3
MATH 36	Insights Into Mathematics	3
MATH 37	Finite Mathematics	3
MATH 38	Elementary Linear Algebra	3
MATH 40	Algebra, Trigonometry, and Analytic Geometry	5
MATH 41	Trigonometry and Analytic Geometry	4
MATH 81	Technical Mathematics I	3
MATH 82	Technical Mathematics II	3
MATH 83	Technical Calculus	4
MATH 110	Techniques of Calculus I	4
MATH 111	Techniques of Calculus II	2
MATH 140	Calculus With Analytic Geometry I	4
MATH 140B	Calculus and Biology I	4
MATH 140E	Calculus with Engineering Applications I	4
MATH 140G	Calculus with Earth and Mineral Sciences Applications I	4
MATH 140H	Honors Calculus with Analytic Geometry I	4
MATH 141	Calculus with Analytic Geometry II	4

MATH 141B	Calculus and Biology II	4
MATH 141E	Calculus with Engineering Applications II	4
MATH 141G	Calculus with Earth and Mineral Sciences Applications II	4
MATH 141H	Honors Calculus with Analytic Geometry II	4
MATH 200	Problem Solving in Mathematics	3
MATH 201	Problem Solving in Mathematics II	3
MATH 210	Calculus with Engineering Technology Applications	3
MATH 211	Intermediate Calculus and Differential Equations with Applications	3
MATH 220	Matrices	2-3
MATH 220H	Honors Matrices	2-3
MIS 204	Introduction to Management Information Systems	3
PHIL 12	Symbolic Logic	3
PSYCH 200	Elementary Statistics in Psychology	4
SCM 200	Introduction to Statistics for Business	4
SCM 200H	Honors Introduction to Statistics for Business	4
STAT 100	Statistical Concepts and Reasoning	3
STAT 200	Elementary Statistics	4
STAT 240	Introduction to Biometry	3
STAT 250	Introduction to Biostatistics	3