Quantitative Courses

The Bachelor of Arts framework requires students to complete a minimum of 9 credits of quantitative courses that must include a minimum of 3 approved quantitative courses, one of which must be taken from the Faculty of Science and Horticulture.

The following courses are approved to meet the quantitative requirements for KPU credentials:

Faculty of Science & Horticulture

APSC 1120	Intro to Engineering	3 credits
APSC 1151	Intro to Engineering Graphics	3 credits
ASTR 1100	Introduction to Astronomy	4 credits
ASTR 2101	Astrophysics I: Stellar Astrophysics	3 credits
ASTR 2102	Astrophysics II: Galactic Astronomy	3 credits
ASTR 3110	Exploring the Universe I: The Solar System	3 credits
ASTR 3111	Exploring the Universe II: Stars and Galaxies	3 credits
BIOL 1110	Introductory Biology I	4 credits
BIOL 1112	Biology Today	4 credits
BIOL 1160	Anatomy and Physiology I	4 credits
BIOL 1210	Introductory Biology II	4 credits
BIOL 1260	Anatomy and Physiology II	4 credits
BIOL 2320	Genetics	4 credits
BIOL 2321	Cell Biology I	4 credits
BIOL 2322	Ecology	4 credits
BIOL 2421	Cellular Biochemistry	3 credits
BIOL 3180	Life Science Research Methods	3 credits
CHEM 1101	CSI: Chemical Sciences Investigation	4 credits
CHEM 1105	Introductory Chemistry	4 credits
CHEM 1110	The Structure of Matter	4 credits
CHEM 1210	Chemical Energetics and Dynamics	4 credits
CHEM 2310	Physical Chemistry	4 credits
CHEM 2311	Physical Chemistry for Life Sciences	3 credits
CHEM 2315	Analytical Chemistry	4 credits
CHEM 2320	Organic Chemistry I	4 credits
CHEM 2420	Organic Chemistry II	4 credits
CHEM 3310	Physical Chemistry	4 credits
ENVI 1106	Environmental Chemistry I	3 credits
ENVI 1121	Environmental Issues	3 credits
ENVI 1216	Introduction to Earth Sciences	5 credits
ENVI 2310	Solid Waste Management	3 credits
HORT 1102	Botany for Horticulture	3 credits
HORT 1104	Soils, Soil Amendments and Soilless Media: An Introduction	3 credits
MATH 1112	Pre-Calculus Algebra †	3 credits
MATH 1115	Statistics I	3 credits
MATH 1116	Mathematical Explorations	3 credits
MATH 1120	Differential Calculus	3 credits
MATH 1130	Calculus for Life Sciences I	3 credits
MATH 1140	Calculus I (Business Applications)	3 credits
MATH 1152	Matrix Algebra for Engineers	3 credits
MATH 1190	Math for Elementary School Teachers	4 credits
MATH 1220	Integral Calculus	3 credits
MATH 1230	Calculus for Life Sciences II	3 credits
MATH 1240	Calculus II (Business Applications)	3 credits
MATH 2232	Linear Algebra	3 credits
MATH 2315	Probability and Statistics	3 credits
MATH 2321	Multivariate Calculus (Calculus III)	3 credits
MATH 2331	Introduction to Analysis	3 credits
MATH 2335	Statistics For Life Sciences	3 credits
MATH 2341	Introduction to Statistics for Business	4 credits
MATH 2410	Discrete Mathematics	3 credits
MATH 3150	The Structure of Mathematics	3 credits
MATH 3250	Geometry	3 credits
MATH 3322	Vector Calculus (Calculus IV)	3 credits
MATH 3421	Ordinary Differential Equations	3 credits
MATH 3450	History of Mathematics	3 credits
MATH 4150	Number Theory	3 credits
MATH 4250	Special Topics in Mathematics	3 credits
MATH 4350	Senior Project	3 credits
PHYS 1100	Introductory Physics	4 credits
PHYS 1101	Physics for Life Sciences I	4 credits
PHYS 1102	Physics for Life Sciences II	4 credits
PHYS 1112	Reel Physics	3 credits
PHYS 1120	Physics for Physical and Applied Sciences I	4 credits
PHYS 1170	Mechanics I	3 credits
PHYS 1220	Physics for Physical and Applied Sciences II	4 credits
PHYS 2101	Experimental Physics I	2.5 credits

PHYS 2201	Experimental Physics II	2.5 credits
PHYS 2330	Intermediate Mechanics	3 credits
PHYS 2420	Intermediate Electricity and Magnetism	3 credits
PHYS 3202	Biophysics	3 credits

† Credit will not be given for both MATH 1112 and the combination of MATH 1111/1113.

Other Faculties

ANTH 1200	Biological Anthropology	3 credits
ANTH 1217	Forensic Anthropology	3 credits
ANTH 2217	Forensic Methods & Analysis	3 credits
BUSI 2405	Operations Management	3 credits
CPSC 1103	Introduction to Computer Programming I	3 credits
CPSC 1204	Introduction to Computer Programming II	3 credits
CPSC 2302	Data Structures and Program Organization	3 credits
CPSC 2405	Introduction to Discrete Math I	3 credits
CRIM 1208	Methods of Research in Criminology	3 credits
CRIM 2103	Quantitative Data Analysis I	3 credits
CRIM 3103	Quantitative Data Analysis II	3 credits
ECON 1150	Microeconomics (effective January 2010)	3 credits
ECON 1250	Macroeconomics (effective January 2010)	3 credits
ECON 2210	Money and Banking	3 credits
ECON 2350	Intermediate Microeconomics	3 credits
ECON 3450	Intermediate Macroeconomics	3 credits
GEOG 1110	Introduction to the Atmosphere	3 credits
GEOG 1120	Introduction to Earth Science	3 credits
GEOG 2310	Climatology	3 credits
GEOG 2320	Geomorphology	3 credits
GEOG 2390	Geographic Information and Data Analysis	3 credits
GEOG 2400	Introduction to GIS	3 credits
GEOL 1210	Our Changing Earth	4 credits
JRNL 4165	Data Visualization	3 credits
NRSG 4120	Qualitative and Quantitative Analysis	3 credits
PHIL 1150	Introduction to Formal Logic	3 credits
PHIL 1155	Introduction to Scientific Reasoning	3 credits
PHIL 3150	Advanced Formal Logic	3 credits
PSYC 2300	Applied Statistics	3 credits
PSYC 2400	Experimental Psychology: Research Methodology	3 credits
PSYC 3300	Applied Statistics II	3 credits
PSYC 3400	Applied Research I	3 credits
PSYC 4100	Tests and Measurement	3 credits
SOCI 2365	An Introduction to Statistics in Social Research	3 credits
SOCI 3365	Quantitative Research Methods	3 credits