

Quantitative Courses

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

The Bachelor of Arts framework requires students to complete at least 9 credits from three quantitative courses, including at least 3 credits from a quantitative course in the Faculty of Science and Horticulture.

Faculty of Science & Horticulture

AGRI 3150	Agriculture and Energy	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 Solar System	3 credits
ASTR 3111	Exploring 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	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 1110	The Structure of Matter	4 credits
CHEM 1154	Chemistry for Engineering	4 credits
CHEM 1210	Chemical Energetics and Dynamics	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 1104	Soils and Growing Media	3 credits
MATH 1112	Pre-Calculus	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 1135	Problems and Concepts	3 credits
MATH 1152	Matrix Algebra for Engineers	3 credits
MATH 1190	Mathematics for Elementary School Teachers	4 credits
MATH 1216	Mathematics in the Visual Arts	3 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 2721	Complex Numbers and Linear Algebra	3 credits
MATH 2821	Multivariate and Vector Calculus	3 credits
MATH 3120	Introduction to Applied Mathematics	3 credits
MATH 3140	Mathematical Computing	3 credits
MATH 3150	The Structure of Mathematics	3 credits
MATH 3160	Group Theory	3 credits
MATH 3170	Complex Variables	3 credits
MATH 3250	Geometry	3 credits
MATH 3315	Applied Inferential Statistics	3 credits
MATH 3322	Vector Calculus (Calculus IV)	3 credits
MATH 3421	Ordinary Differential Equations	3 credits
MATH 3431	Partial Differential Equations	3 credits
MATH 3450	History of Mathematics	3 credits
MATH 4150	Number Theory	3 credits
MATH 4210	Biomathematics	3 credits
MATH 4220	Numerical Methods	3 credits
MATH 4240	Mathematical Modelling	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	BUQU 1130	Business Mathematics	3 credits
PHYS 1112	Reel Physics	3 credits	BUQU 1230	Business Statistics	3 credits
PHYS 1120	Physics for Physical and Applied Sciences I	4 credits	BUQU 2100	Quantitative Methods for Business and Economics	3 credits
PHYS 1141	Engineering Mechanics	3 credits	BUQU 3230	Applied Decision Analysis	3 credits
PHYS 1170	Mechanics I	3 credits	BUSI 2405	Operations Management	3 credits
PHYS 1220	Physics for Physical and Applied Sciences II	4 credits	CPSC 1103	Introduction to Computer Programming I	3 credits
PHYS 1400	Energy, Environment, Physics	3 credits	CPSC 1204	Introduction to Computer Programming II	3 credits
PHYS 1401	Environmental Physics Lab	1 credit	CPSC 2302	Data Structures and Program Organization	3 credits
PHYS 2010	Modern Physics	3 credits	CPSC 2405	Introduction to Discrete Mathematics I	3 credits
PHYS 2330	Intermediate Mechanics	3 credits	CRIM 1208	Methods of Research in Criminology	3 credits
PHYS 2420	Intermediate Electricity and Magnetism	3 credits	CRIM 2103	Quantitative Data Analysis I	3 credits
PHYS 3202	Biophysics	3 credits	CRIM 3103	Quantitative Data Analysis II	3 credits
PHYS 4700	Solid State Physics: Theory and Practice	3 credits	ECON 1150	Principles of Microeconomics	3 credits
Other Faculties			ECON 1250	Principles of Macroeconomics	3 credits
ACCT 1110	Introductory Financial Accounting I	3 credits	ECON 2210	Money and Banking	3 credits
ACCT 1210	Introductory Financial Accounting II	3 credits	ECON 2350	Intermediate Microeconomics	3 credits
ACCT 2235	Introductory Taxation	3 credits	ECON 3450	Intermediate Macroeconomics	3 credits
ACCT 2293	Accelerated Introductory Financial Accounting	3 credits	GEOG 1110	Atmospheric Science	3 credits
ACCT 3310	Intermediate Financial Accounting I	3 credits	GEOG 1120	Earth Science	3 credits
ACCT 3320	Introductory Management Accounting	3 credits	GEOG 2310	Climatology	3 credits
ACCT 3335	Intermediate Taxation	3 credits	GEOG 2320	Geomorphology	3 credits
ACCT 3380	Managerial Finance	3 credits	GEOG 2390	Quantitative Methods in Geography	3 credits
ACCT 3410	Intermediate Financial Accounting II	3 credits	GEOG 2400	Introduction to GIS	3 credits
ACCT 3510	Intermediate Financial Accounting I & II	6 credits	GEOG 3390	Methods in Environmental Geography	3 credits
ACCT 4320	Advanced Management Accounting	3 credits	HEAL 1180	Introduction to Health Research	3 credits
ACCT 4335	Advanced Taxation	3 credits	HEAL 3180	Nursing Science 4: Health Research for Evidence Informed Practice	3 credits
ACCT 4380	Intermediate Corporate Finance	3 credits	JRNL 3165	Data Visualization	3 credits
ACCT 4520	Management Accounting I & II	3 credits	NRSRG 3540	Critical Inquiry 1: Quantitative Research	1.5 credits
ACCT 4580	Corporate Finance	6 credits	NRSRG 3740	Critical Inquiry 3: Data Analysis	2 credits
ACCT 4720	Advanced Managerial Accounting	3 credits	NRSRG 4121	Professional Growth 3: Inquiry and Research Methods	3 credits
ACCT 4780	Advanced Corporate Finance	3 credits	NRSRG 4122	Professional Growth 4: Qualitative & Quantitative Analysis	3 credits
ANTH 1200	Biological Anthropology	3 credits	PHIL 1150	Introduction to Formal Logic	3 credits
ANTH 1217	Forensic Anthropology	3 credits			
ANTH 2217	Forensic Methods & Analysis	3 credits			

In the event of a discrepancy between this document and the official KPU 2019-20 Calendar (available at www.kpu.ca/calendar/2019-20), the official calendar shall be deemed correct.

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	Introduction to Social Research Statistics	3 credits
SOCI 3365	Quantitative Research Methods	3 credits