



AUTOMATIC TRANSFER FOR COURSES FROM OTHER COLLEGES

**All courses on this sheet have been approved to count as an elective
or the listed substitution for an Arts and Science degree.**

The following list shows the courses from other colleges which credit automatically towards an Arts & Science program. The regulations which apply to this credit are as follows:

1. College policy states that any courses from another college listed for credit in an Arts and Science program and courses offered by other colleges that are designated as equivalent to Arts and Science courses will credit automatically to any Arts and Science degree.
2. Students who began their Arts and Science program before the 1999-2000 academic year have the option to decline credit for all courses from another college listed for credit in an Arts and Science program. Students may not decline credit for courses offered by other colleges that are designated as equivalent to Arts and Science courses regardless of the year of enrolment.
3. Prior to May, 2005 students were permitted to choose a maximum of 6 credit units from other colleges in addition to the courses from other colleges which credit automatically. Arts and Science students who began their programs prior to May, 2005 may still use this option. This includes students who have transferred to Arts and Science from another college. Students who began their program May, 2005 or later may only choose courses from the automatic transfer list.
4. Students in Second Degree programs, as described in the Calendar, may use the courses listed to meet the requirements for the Arts and Science degree. For example, an Engineering graduate who is completing a B.Sc. Three-year degree may use the Commerce courses listed below to satisfy elective requirements for a minimum of 30 additional credit units in Arts and Science.
5. Only Arts and Science courses (or their equivalents such as MATH 124.3) may be used for Requirements 1 to 5 of the Distribution Requirements, with the exception of statistics which may only be used as electives. Course equivalents are shown in square brackets []. Other courses listed below can be used in Requirement 6 (Major) if approved by the department. All other courses will be used only in Requirement 7 as electives.

Courses from other colleges or taught for other colleges, which credit automatically as Arts & Science courses:

ACB 105.3	Introduction to Human Anatomy (elective only)	BIOC 213.8	Medical Biochemistry [=BIOC 200.3 + BIOC 211.3 + Senior BIOC .3]
ACB 215.6	Basic and App. Human Anatomy [= ACB 210.3 + Senior ACB .3]	BLE 303.3	Principles of Food and Feed Processing Equipment (formerly ABE 303.3)
ACB 221.3	Gross Anatomy [Senior ACB.3 – may not have credit for ACB 221.3 and ACB 210.3]	BLE 309.3	Water Management (formerly ABE 309.3)
ACB 232.6	Cell Biology and Histology [=BMSC 220.3 (ACB 200.3) + Senior ACB .3]	BLE 432.3	Soil and Water Conservation (formerly ABE 432.3) (now ENVE 432.3)
ACB 233.3	Embryology and Gross Anatomy [=ACB 210.3]	BLE 481.3	Sustainability and Environment Assessment (formerly ABE 481.3) (now ENVE 481.3)
ACB 235.9	Gross Anat. and Embryology [=ACB 210.3 + Senior ACB .3 (6 credit units only will transfer)]	BPBE 230.3	Innovation and Entrepreneurship in Agribusiness (formerly AGECE 230.3) (now AREC 230.3)
ACB 334.3	Introductory Neuroanatomy (formerly ACB 234.3)	BPBE 292.3	Economics of Biotechnology (formerly AGECE 292.3) (now AREC 292.3)
AGRC 111.3	Agricultural Science I	BPBE 330.3	Land Resource Economics (formerly AGECE 330.3) (now AREC 330.3)
AGRC 112.3	Agricultural Science II	BPBE 395.3	Creative Thinking and the Entrepreneurial Process (now AREC 395.3)
AGRC 492.3	Term Paper and Technical Writing	BPBE 430.3	Natural Resource Economics (now AREC 430.3)
ANBI 420.3	Comparative Animal Endocrinology	BPBE 432.3	Rural Development: Theory, Policy and Case Studies (formerly AGECE 432.3) (now AREC 432.3)
ANBI 470.3	Applied Animal Biotechnology (formerly ANSC 470.3)	BPBE 433.3	Methods of Rural Analysis: Theory and Application (formerly AGECE 433.3) (now AREC 433.3)
ANBI 475.3	Field Studies in Arctic Ecosystems and Aboriginal Peoples	BPBE 495.3	Agribusiness Venture Management (= COMM 447 and ENT 310) (now AREC 495.3)
ANSC 313.3	Animal Breeding and Genetics	BSCM 100.3	See COMM
ANSC 470.3	Applied Animal Biotechnology (now ANBI 470.3)	CE 271.2	Spring Surveying Camp
APMC	See FABS	CE 316.3	Geomatics
AREC 230.3	Innovation and Entrepreneurship in Agribusiness (formerly BPBE 230.3)	CE 329.3	Transportation Engineering (formerly CE 227.3)
AREC 292.3	Economics of Biotechnology (formerly BPBE 292.3)	CE 467.3	Transportation and Regional Development
AREC 330.3	Land Resource Economics (formerly BPBE 330.3)	CHE 220.3	Introduction to Process Engineering (formerly 277)
AREC 395.3	Creative Thinking and the Entrepreneurial Process (formerly (BPBE 395.3)	CHE 223.3	Chemical Thermodynamics
AREC 430.3	Natural Resource Economics (formerly BPBE 430.3)	CHE 461.3	Introduction to Biochemical Engineering
AREC 432.3	Rural Development: Theory, Policy and Case Studies (formerly BPBE 432.3)	CHE 477.3	Applications of Numerical Methods [=MATH 315.3]
AREC 433.3	Methods of Rural Analysis: Theory and Application (formerly BPBE 433.3)		
AREC 495.3	Agribusiness Venture Management (formerly BPBE 495.3)		

CHEM 114.3	General Chemistry for Engineers [= CHEM 111.3 or 112.3]	COMM 211.3	Human Resource Management (only one of COMM 211.3 or ENT 220 may be taken for credit)
CHEP 402.3	Global Health and Local Communities: Issues and Approaches	COMM 301.3	Management Accounting for Managers (formerly ACC 230), see COMM 210.3
CHEP 412.3	Global Health: Selected Issues in Nicaragua	COMM 302.3	Introduction to Management Accounting Only one of COMM 301.3 or 302.3 or 210.3 may be taken for credit, see COMM 210.3
CME 331.3	Microprocessor Based Embedded Systems (formerly EE 331.3) (= CMPT 215.3)	COMM 304.3	Introduction to Business Law (formerly COMM 208.3)
CME 332.3	Real Time Computing (formerly EE 332)	COMM 306.3	Business Decision Making II
CME 341.3	Logic Design Using FPGAs (formerly EE 431)	COMM 340.3	Introduction to International Business (formerly MGT 340)
CME 342.3	VLSI Circuit Design (formerly EE 451 and 489 and EE 432)	COMM 342.3	Organization Structure and Design
CME 433.3	Digital Systems Architecture	COMM 345.3	Business and Public Policy (formerly MGT 345)
CME 435.3	Verification of Digital Systems	COMM 346.3	Commercialization of Biotechnology
CME 451.3	Transport Networks	COMM 348.3	Leadership (formerly HRM 344)
CME 462.3	Multimedia Signals and Systems	COMM 349.3	Introduction to Entrepreneurship (= BPBE 230)
CMPT 116.3	Computing I (formerly 122) [=CMPT 111.3]	COMM 366.3	International Business Finance (formerly FIN 366)
CMPT 117.3	Computing II (formerly 123) [=CMPT 115.3]	COMM 381.3	Industrial Relations (formerly COMM 206.3)
COMM 100.3	Business Communication (formerly BSCM 100.3)	COMM 382.3	Employment Law
COMM 101.3	Decision Making I	COMM 385.3	Training and Development
COMM 102.3	Introduction to Business Management (formerly MGT 103)	COMM 393.3	Spreadsheet Modelling for Business Decisions (formerly QUANT 393.3) [=CMPT 393.3]
COMM 104.3	Business Statistics I (formerly QUANT 194) [=half ECON 204.6]	COMM 417.3	International Accounting (no longer offered, formerly ACC 417)
COMM 105.3	Introduction to Organizational Behaviour (formerly COMM 202, HRM 243)	COMM 447.3	Entrepreneurship & Venture Development (= BPBE 495 and ENT 310)
COMM 201.3	Introduction to Financial Accounting (formerly ACC 120). (Students may receive credit for only one of COMM 201.3 or ENT 230.3)	COMM 456.3	International Marketing (formerly MKT 456)
COMM 202.3	No longer offered, see COMM 105	COMM 485.3	International and Comparative Employment Relations Systems (formerly INDRL 485)
COMM 203.3	Introduction to Finance (formerly FIN 260) (Students may receive credit for only one of COMM 203.3 or ENT 300.3)	CTST 200.3	Introduction to Catholicism
COMM 204.3	Intro to Marketing (formerly MKT 251) (students may receive credit for only one of COMM 200.3, COMM 204.3 or ENT 210.3)	EE 201.3	Electric and Magnetic Circuits [= EP 229.3 (formerly PHYS 229.3)]
COMM 205.3	Introduction to Operations Management (formerly QUANT/POM 391)	EE 202.3	Electrical and Magnetic Circuits = EP 229.3/EE 201.3
COMM 206.3	Employment and Industrial Relations (now COMM 381.3)	EE 221.3	Analog Electronics
COMM 207.3	Business Statistics II (formerly QUANT 295) [=half ECON 204.6]	EE 232.3	Digital Electronics (formerly 220 and 310) [=CMPT 320.3]
COMM 208.3	Introduction to Business Law (formerly BUSLW 111), see COMM 304.3	EE 301.3	Electricity, Magnetism and Fields [= Senior PHYS .3]
COMM 210.3	Introduction to Management Accounting (formerly COMM 301.3 and 302.3)	EE 326.3	Applied Mathematics (no longer offered, can be used as linear algebra course in Computer Science PDSC program)
		EFDT 482.3	Women and Education
		EFDT 483.3	Women and the Teaching Profession
		EFDT 486.3	Gay and Lesbian Issues in Education

EMUS 238.3	Classroom Instruments (formerly EMUS 338.3)	EP 313.3	Advanced Analog Electronics and Instrumentation
EMUS 303.3	Methods in Elementary and Middle Years Music	EP 315.3	Modern Physics I (no longer offered) [= PHYS 251.3 which is no longer offered] = PHYS 252.3/EP 253.1
EMUS 331.3	Methods in Elementary Music: Introduction	EP 317.3	Applied Physics of Materials
EMUS 332.3	Methods in Elementary Music: Advanced	EP 320.3	Discrete Linear Systems and Applied Information Theory
EMUS 337.3	Jazz Pedagogy	EP 321.3	Electronics II (now CMPT 320, formerly CMPT 220)
EMUS 338.3	Classroom Instruments	EP 324.3	Mechanics IV
EMUS 340.3	Methods in Secondary Instrumental Music	EP 325.3	Modern Physics II (no longer offered) [= PHYS 381.3]
EMUS 342.3	Philosophical Basis of Music Education	EP 325.3	Optical Systems Design (course number re-assigned 2013-14 with new title), (formerly EP 225.3)
EMUS 428.3	Choral Techniques	EP 353.2	Modern Physics Laboratory II (formerly PHYS 353)
EMUS 435.6	Advanced Instrumental Conducting	EP 354.2	Modern Physics Laboratory III (formerly PHYS 354)
EMUS 438.3	Methods in Secondary Choral Music	EP 356.3	Electric and Magnetic Field Theory (no longer offered) [=PHYS 356.3]
ENT 210.3	Marketing for Entrepreneurial Ventures (Students may only receive credit for one of ENT 210.3 or COMM 204.3)	EP 370.3	Kinetics and Thermodynamics (formerly EP 271.3)
ENT 220.3	Human Resource Management for Entrepreneurial Organizations (only one of ENT 220.3 or COMM 211.3 may be taken for credit)	EP 413.3	Instrumentation and Design
ENT 230.3	Introduction to Accounting for Entrepreneurs (Students may only receive credit for one of ENT 230.3 or COMM 201.3)	EP 414.3	Instrumentation Laboratory
ENT 300.3	Introduction to Entrepreneurial Finance (Students may only receive credit for one of ENT 300.3 or COMM 203.3)	EP 421.3	Optical Systems and Materials I
ENT 310.3	Entrepreneurship and Small Business Management	EP 431.3	Optical Systems and Materials II
ENVE 432.3	Soil and Water Conservation (formerly BLE 432.3)	EP 464.3	Advanced Applied Electromagnetism
ENVE 481.3	Sustainability and Environmental Assessment (formerly BLE 481.3)	EPSE 441.3	Introductory Statistics in Education (formerly EDPSY 441.3) [=STATS 244.3]
ENVS 201.3	Foundations of Sustainability	EVSC 110.3	Renewable Resources and Environment
ENVS 401.3	Environment and Sustainability	EVSC 203.3	Sampling and Laboratory Analysis (formerly EVSC 303.3)
EP 155.3	See PHYS 155.3	EVSC 210.3	Environmental Physics (formerly AGRC 210.3)
EP 214.3	Analog Signals and Systems	EVSC 220.3	Environmental Soil Science (formerly SLSC 220.3, 102, 112)
EP 225.3	Waves, Fields and Optics (no longer offered, = EP 325.3)	EVSC 420.3	Environmental Fate and Transport of Toxic Substances (formerly SLSC 420.3)
EP 228.3	Computer Tools for Engineering Physics [=Senior PHYS .3]	EVSC 421.3	Soil Toxicology and Risk Assessment
EP 229.3	Introductory Electromagnetism and AC Circuits (no longer offered), = EE 201.3/EE 202.3 (formerly PHYS 229.3)	EVSC 430.3	Agroforestry for Environmental Management
EP 253.1	Modern Physics Laboratory I (formerly PHYS 253)	EXT 305.3	Developing Effective Extension Programs
EP 271.3	Heat, Kinetic Theory and Thermodynamics (now EP 370.3)	EXT 405.3	Advanced Extension Techniques and Methods
EP 311.3	Electronics 1	FABS 110.3	Dimensions of Food Science (formerly FABS 210.3)
		FABS 210.3	Dimensions of Food Science (formerly FDSC 210.3)

FABS 212.3	Agrifood and Resources Microbiology (formerly APMC 212.3) [=MICRO 214.3]	GEOE 334.3	Gravity, Magnetics and Radiation Methods (now GEOL 334.3, formerly GEOE 333.6)
FABS 315.3	Food Chemistry (formerly FDSC 415.3, FAMS 415.3)	GEOE 335.3	Seismology, Radar and Electrical Methods (now GEOL 335.3, formerly GEOE 333.6)
FABS 323.3	Food Additives and Toxicants (formerly FDSC 323.3)	GEOE 379.2	Geological Mapping (no longer offered)
FABS 325.3	Food Microbiology and Safety (formerly APMC 425.3, FAMS 425.3)	GEOE 411.3	Well-Logging (now GEOL 411.3, formerly GEOE 488.3)
FABS 334.3	Industrial Microbiology (formerly APMC 434.3, FAMS 434.3)	GEOE 475.3	Advanced Hydrogeology
FABS 345.3	Unit Operations in Food Processing (formerly FDSC 345.3)	KIN 121.3	Functional Basis of Physical Activity
FABS 360.3	Water Microbiology and Safety	KIN 122.3	Social Behavioural Foundations of Physical Activity
FABS 362.3	Functional Foods and Nutraceuticals	KIN 222.3	Biochmechanics I
FABS 366.3	Physicochemical Properties of Food Macromolecules	KIN 225.3	Introductory Exercise Physiology I (formerly 220, 325)
FABS 371.3	Food Biotechnology (formerly FAMS 271.3)	KIN 226.3	Introductory Exercise Physiology II
FABS 401.3	Dairy Science and Technology	KIN 255.3	Program Planning and Design for Leisure and Sport
FABS 411.3	Lipid Science and Technology	KIN 355.3	Program Management and Implementation for Leisure and Sport (no longer offered)
FABS 412.3	Fluid Food Products (formerly FDSC 412.3)	KIN 425.3	Physiology of Exercise
FABS 417.3	Food and Bioproducts Analysis (formerly FDSC 417.3)	KIN 428.3	Nutrition Drugs and Physical Activity
FABS 430.3	Environmental Microbiology (formerly APMC 430.3)	KIN 442.3	Biomechanics II
FABS 433.3	Microbial Insecticides (formerly APMC 433.3)	LAW 340.3	Administrative Law I
FABS 435.3	Microbiological Techniques (formerly APMC 435.3)	LAW 444.3	Environmental Law
FABS 436.3	Biofuels Production	LAW 457.3	International Law
FABS 437.3	Industrial Microbiology II (formerly APMC 437.3)	<i>(See Calendar for additional Law courses which transfer for Law students seeking a Second Degree in Arts & Science)</i>	
FABS 450.3	Anaerobic and Rumen Microbiology (formerly APMC 450.3)	MATH 100.6	Mathematics for Education Students
FABS 452.3	Quality Assurance and HACCP (formerly FDSC 452.3)	MATH 115.3	Calculus for Pharmacy [= MATH 125.3]
FABS 457.3	Meat Science and Technology (formerly FDSC 457.3)	MATH 121.3	Mathematical Analysis for Business and Economics
FABS 460.3	Protein Science and Technology	MATH 123.3	Calculus I for Engineers [=MATH 110.3]
FABS 474.3	Food Enzymology	MATH 124.3	Calculus II for Engineers [= MATH 112.3 or 116.3]
FABS 486.3	Sensory Evaluation of Food	MATH 223.3	Calculus III for Engineers [MATH 225.3]
FABS 490.0	Honours Seminar (formerly FDSC 490.0)	MATH 224.3	Calculus IV for Engineers [MATH 226.3]
FABS 491.3	Research Project (formerly FDSC 491.3)	MCIM 224.3	Microbiology for Pharmacists and Nutritionists [=BMSC 210.3]
FABS 493.3	Product Development	ME 226.3	Mechanics III (formerly GE 226.3)
FABS 494.6	Research Thesis	MEAG 421.3	Principles of Food and Feed Processing Equipment (no longer offered)
FIAR 100.6	Introduction to Fine Arts (no longer offered)	MED 201.4	Pharmacology (formerly PCOL 301.6)
GE 210.3	Probability and Statistics [STATS 245.3]	MICR 316.3	Microbiology (no longer offered)
GE 212.3	Electric and Magnetic Circuits I (no longer offered) [Senior PHYS .3]		
GE 226.3	Mechanics III (now ME 226.3)		
GE 401.3	Refer to RCM 401.3		

NURS 390.3	Biostatistics (no longer offered) [=STATS 244.3]	PLSC 461.3	Post-Harvest Management of Horticultural Crops (formerly HORT 461)
NUTR 120.3	Basic Nutrition	RCM 400.3	Rhetorical Theory and Practice of Persuasion
NUTR 220.3	Advanced Nutrition (no longer offered)	RCM 401.3	Oral Rhetoric: Theory and Practice [= Senior Arts and Science .3] (formerly GE 401.3)
NUTR 221.3	Advanced Nutrition Micronutrients	RCM 402.3	Interpersonal Communication and Rhetoric
NUTR 305.3	Research Methods	RCM 404.3	Leadership as Communication
NUTR 310.3	Food Culture and Human Nutrition	RRM 114.3	Introductory Resource Economics and Policy (formerly RRM 212.3)
NUTR 321.3	Advanced Nutrition Macronutrients and Energy	RRM 312.3	Natural Resource Management and Indigenous Peoples
NUTR 322.3	Nutrition Throughout Lifespan	SLSC 220.3	See EVSC
PATH 205.3	Survey of Pathology	SLSC 232.3	Soil Genesis and Classification (formerly SLSC 332.3)
PCOL 301.6	See MED 201.4	SLSC 312.3	Soil Fertility and Fertilizers
PCOL 350.6	General Pharmacology (=PHPY 304.3, 305.3)	SLSC 313.3	Environmental Soil Chemistry
PCOL 432.6	Selected Topics	SLSC 322.3	Applied Soil Physics
PHSI 202.9	Physiology [= H SC 208.6 (formerly PHSIO 212.6) + Senior PHSIO .3]	SLSC 332.3	Soil Genesis and Classification (now SLSC 232.3)
PHSI 347.3	Respiratory Physiology	SLSC 343.3	Soil Microbiology
PHYS 155.3	Intro to Electricity and Magnetism (formerly EP 155.3) [=half PHYS 121.6]	SLSC 412.3	Integration and Application of Soil Science
PLSC 213.3	Principles of Plant Ecology (formerly PLEC 213)	SLSC 420.3	See EVSC
PLSC 214.3	Statistical Methods (formerly PLSC 314.3)	SLSC 460.3	Forest Soils
PLSC 235.3	Urban Food Production	SLSC 470.3	Evaluation of Land Resources (no longer offered)
PLSC 240.3	Plant Metabolism (formerly BIOC 220.3)	VBMS 300.3	General Principles of Toxicology (now TOX 300.3)
PLSC 301.3	Principles of Agronomy (no longer offered, formerly CRSC 301)	VBMS 425.3	Introduction to Toxicology
PLSC 314.3	Statistical Methods (formerly CR SC 214 or 314) [=STATS 245.3] (now PLSC 214.3)	VBMS 428.3	Gastrointestinal Physiology
PLSC 345.3	Pesticides and Crop Protection (formerly CR SC 345)		
PLSC 405.3	Genetics of Plant Populations (formerly CR SC 350, 305, 405)		
PLSC 411.3	Plant Breeding (formerly CR SC 411)		
PLSC 412.3	Physiological Plant Ecology (no longer offered, formerly PLEC 412)		
PLSC 416.3	Applied Plant Biotechnology (formerly CRSC 416)		
PLSC 417.3	Crop Physiology (formerly CR SC 417)		
PLSC 420.3	Grain Chemistry and Technology (formerly CR SC 420)		
PLSC 422.3	Rangeland Ecology and Management		
PLSC 423.3	Landscape Ecology and Vegetation Management (formerly PLEC 432)		
PLSC 425.3	Forest Ecology		
PLSC 432.3	Conservation of Plant Genetic Diversity (no longer offered)		