



## **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.**

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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)	BLE 303.3	Principles of Food and Feed Processing Equipment (formerly ABE 303.3)
ACB 215.6	Basic and App. Human Anatomy [= ACB 210.3 + Senior ACB .3]	BLE 309.3	Water Management (formerly ABE 309.3)
ACB 221.3	Gross Anatomy (may only be used as an elective)	BLE 432.3	Soil and Water Conservation (formerly ABE 432.3) (now ENVE 432.3)
ACB 232.6	Cell Biology and Histology [=BMSC 220.3 (ACB 200.3) + Senior ACB .3]	BLE 481.3	Sustainability and Environment Assessment (formerly ABE 481.3) (now ENVE 481.3)
ACB 233.3	Embryology and Gross Anatomy [=ACB 210.3]	BPBE 230.3	Innovation and Entrepreneurship in Agribusiness (formerly AGECE 230.3) (now AREC 230.3)
ACB 235.9	Gross Anat. and Embryology [=ACB 210.3 + Senior ACB .3 (6 credit units only will transfer)]	BPBE 292.3	Economics of Biotechnology (formerly AGECE 292.3) (now AREC 292.3)
ACB 334.3	Introductory Neuroanatomy (formerly ACB 234.3)	BPBE 330.3	Land Resource Economics (formerly AGECE 330.3) (now AREC 330.3)
AGRC 111.3	Agricultural Science I	BPBE 395.3	Creative Thinking and the Entrepreneurial Process (now AREC 395.3)
AGRC 112.3	Agricultural Science II	BPBE 430.3	Natural Resource Economics (now AREC 430.3)
AGRC 492.3	Term Paper and Technical Writing	BPBE 432.3	Rural Development: Theory, Policy and Case Studies (formerly AGECE 432.3) (now AREC 432.3)
ANBI 420.3	Comparative Animal Endocrinology	BPBE 433.3	Methods of Rural Analysis: Theory and Application (formerly AGECE 433.3) (now AREC 433.3)
ANBI 470.3	Applied Animal Biotechnology (formerly ANSC 470.3)	BPBE 495.3	Agribusiness Venture Management (= COMM 447 and ENT 310) (now AREC 495.3)
ANBI 475.3	Field Studies in Arctic Ecosystems and Aboriginal Peoples	BSCM 100.3	See COMM
ANSC 313.3	Animal Breeding and Genetics	CE 271.2	Spring Surveying Camp
ANSC 470.3	Applied Animal Biotechnology (now ANBI 470.3)	CE 316.3	Geomatics
APMC	See FABS	CE 329.3	Transportation Engineering (formerly CE 227.3)
AREC 230.3	Innovation and Entrepreneurship in Agribusiness (formerly BPBE 230.3)	CE 467.3	Transportation and Regional Development
AREC 292.3	Economics of Biotechnology (formerly BPBE 292.3)	CHE 220.3	Introduction to Process Engineering (formerly 277)
AREC 330.3	Land Resource Economics (formerly BPBE 330.3)	CHE 223.3	Chemical Thermodynamics
AREC 395.3	Creative Thinking and the Entrepreneurial Process (formerly (BPBE 395.3)	CHE 461.3	Introduction to Biochemical Engineering
AREC 430.3	Natural Resource Economics (formerly BPBE 430.3)	CHE 477.3	Applications of Numerical Methods [=MATH 315.3]
AREC 432.3	Rural Development: Theory, Policy and Case Studies (formerly BPBE 432.3)	CHEM 114.3	General Chemistry for Engineers [= CHEM 111.3 or 112.3]
AREC 433.3	Methods of Rural Analysis: Theory and Application (formerly BPBE 433.3)	CHEP 402.3	Global Health and Local Communities: Issues and Approaches
AREC 495.3	Agribusiness Venture Management (formerly BPBE 495.3)	CHEP 412.3	Global Health: Selected Issues in Nicaragua
BIOC 213.8	Medical Biochemistry [=BIOC 200.3 + BIOC 211.3 + Senior BIOC .3]		

CME 331.3	Microprocessor Based Embedded Systems (formerly EE 331.3) (= CMPT 215.3)	COMM 306.3	Business Decision Making II
CME 332.3	Real Time Computing (formerly EE 332)	COMM 340.3	Introduction to International Business (formerly MGT 340)
CME 334.3	Transport Networks (formerly CME 451.3)	COMM 342.3	Organization Structure and Design
CME 341.3	Logic Design Using FPGAs (formerly EE 431)	COMM 345.3	Business and Public Policy (formerly MGT 345)
CME 342.3	VLSI Circuit Design (formerly EE 451 and 489 and EE 432)	COMM 346.3	Commercialization of Biotechnology
CME 433.3	Digital Systems Architecture	COMM 348.3	Leadership (formerly HRM 344)
CME 435.3	Verification of Digital Systems	COMM 349.3	Introduction to Entrepreneurship (= BPBE 230)
CME 451.3	Transport Networks (now CME 334.3)	COMM 366.3	International Business Finance (now COMM 466.3)
CME 462.3	Multimedia Signals and Systems	COMM 381.3	Industrial Relations (formerly COMM 206.3)
CMPT 116.3	Computing I (formerly 122) [=CMPT 111.3]	COMM 382.3	Employment Law
CMPT 117.3	Computing II (formerly 123) [=CMPT 115.3]	COMM 385.3	Training and Development
COMM 100.3	Business Communication (formerly BSCM 100.3)	COMM 393.3	Spreadsheet Modelling for Business Decisions (formerly QUANT 393.3) [=CMPT 393.3]
COMM 101.3	Decision Making I	COMM 417.3	International Accounting (no longer offered, formerly ACC 417)
COMM 102.3	Introduction to Business Management (formerly MGT 103)	COMM 466.3	International Business Finance (formerly COMM 366.3 or FIN 366.3)
COMM 104.3	Business Statistics I (formerly QUANT 194) [=half ECON 204.6]	COMM 447.3	Entrepreneurship & Venture Development (= BPBE 495 and ENT 310)
COMM 105.3	Introduction to Organizational Behaviour (formerly COMM 202, HRM 243)	COMM 456.3	International Marketing (formerly MKT 456)
COMM 201.3	Introduction to Financial Accounting (formerly ACC 120). (Students may receive credit for only <b>one</b> of COMM 201.3 or ENT 230.3)	COMM 485.3	International and Comparative Employment Relations Systems (formerly INDRL 485)
COMM 202.3	No longer offered, see COMM 105	CTST 200.3	Introduction to Catholicism
COMM 203.3	Introduction to Finance (formerly FIN 260) (Students may receive credit for only <b>one</b> of COMM 203.3 or ENT 300.3)	EE 201.3	Electric and Magnetic Circuits [= EP 229.3 (formerly PHYS 229.3)]
COMM 204.3	Intro to Marketing (formerly MKT 251) (students may receive credit for only <b>one</b> of COMM 200.3, COMM 204.3 or ENT 210.3)	EE 202.3	Electrical and Magnetic Circuits = EP 229.3/EE 201.3 (now EP 202.3)
COMM 205.3	Introduction to Operations Management (formerly QUANT/POM 391)	EE 221.3	Analog Electronics
COMM 206.3	Employment and Industrial Relations (now COMM 381.3)	EE 232.3	Digital Electronics (formerly 220 and 310) [=CMPT 320.3]
COMM 207.3	Business Statistics II (formerly QUANT 295) [=half ECON 204.6]	EE 301.3	Electricity, Magnetism and Fields [= Senior PHYS .3]
COMM 208.3	Introduction to Business Law (formerly BUSLW 111), see COMM 304.3	EE 321.3	Advanced Analog Electronics and Instrumentation (formerly EP 313.3)
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)
COMM 211.3	Human Resource Management (only one of COMM 211.3 or ENT 220 may be taken for credit)	EE 472.3	Optoelectronics and Photonics (formerly EP 431.3)
COMM 301.3	Management Accounting for Managers (formerly ACC 230), see COMM 210.3	EFDT 482.3	Women and Education
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	EFDT 483.3	Women and the Teaching Profession
COMM 304.3	Introduction to Business Law (formerly COMM 208.3)	EFDT 486.3	Gay and Lesbian Issues in Education
		EMUS 238.3	Classroom Instruments (formerly EMUS 338.3)
		EMUS 303.3	Methods in Elementary and Middle Years Music
		EMUS 331.3	Methods in Elementary Music: Introduction
		EMUS 332.3	Methods in Elementary Music: Advanced
		EMUS 337.3	Jazz Pedagogy

EMUS 338.3	Classroom Instruments	EP 321.3	Electronics II (now CMPT 320, formerly CMPT 220)
EMUS 340.3	Methods in Secondary Instrumental Music	EP 324.3	Mechanics IV
EMUS 342.3	Philosophical Basis of Music Education	EP 325.3	Modern Physics II (no longer offered) [= PHYS 381.3]
EMUS 428.3	Choral Techniques	EP 325.3	Optical Systems Design (course number re-assigned 2013-14 with new title), (formerly EP 225.3)
EMUS 435.6	Advanced Instrumental Conducting	EP 353.2	Modern Physics Laboratory II (formerly PHYS 353)
EMUS 438.3	Methods in Secondary Choral Music	EP 354.2	Modern Physics Laboratory III (formerly PHYS 354)
ENT 210.3	Marketing for Entrepreneurial Ventures (Students may only receive credit for <b>one</b> of ENT 210.3 or COMM 204.3)	EP 356.3	Electric and Magnetic Field Theory (no longer offered) [=PHYS 356.3]
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 370.3	Kinetics and Thermodynamics (formerly EP 271.3)
ENT 230.3	Introduction to Accounting for Entrepreneurs (Students may only receive credit for <b>one</b> of ENT 230.3 or COMM 201.3)	EP 413.3	Instrumentation and Design
ENT 300.3	Introduction to Entrepreneurial Finance (Students may only receive credit for <b>one</b> of ENT 300.3 or COMM 203.3)	EP 414.3	Instrumentation Laboratory
ENT 310.3	Entrepreneurship and Small Business Management	EP 417.3	Advanced Materials Science with Applications
ENVE 381.3	Sustainability and Environmental Assessment	EP 421.3	Optical Systems and Materials I
ENVE 432.3	Soil and Water Conservation (formerly BLE 432.3)	EP 431.3	Optical Systems and Materials II (now EE 472.3)
ENVE 481.3	Sustainability and Environmental Assessment (formerly BLE 481.3) (now ENVE 381.3)	EP 464.3	Advanced Applied Electromagnetism
ENVS 201.3	Foundations of Sustainability	EPSE 441.3	Introductory Statistics in Education (formerly EDPSY 441.3) [=STATS 244.3]
ENVS 401.3	Environment and Sustainability	EVSC 110.3	Renewable Resources and Environment
EP 155.3	See PHYS 155.3	EVSC 203.3	Sampling and Laboratory Analysis (formerly EVSC 303.3)
EP 202.3	Electric and Magnetic Fields and Circuits (formerly EE 202.3)	EVSC 210.3	Environmental Physics (formerly AGRC 210.3)
EP 214.3	Analog Signals and Systems (formerly EE 214)	EVSC 220.3	Environmental Soil Science (formerly SLSC 240.3, 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)
EP 313.3	Advanced Analog Electronics and Instrumentation (now EE 321.3)	FABS 210.3	Dimensions of Food Science (formerly FDSC 210.3)
EP 315.3	Modern Physics I (no longer offered) [= PHYS 251.3 which is no longer offered] = PHYS 252.3/EP 253.1	FABS 212.3	Agrifood and Resources Microbiology (formerly APMC 212.3) [=MICRO 214.3]
EP 317.3	Applied Physics of Materials	FABS 315.3	Food Chemistry (formerly FDSC 415.3, FAMS 415.3)
EP 320.3	Discrete Linear Systems and Applied Information Theory	FABS 323.3	Food Additives and Toxicants (formerly FDSC 323.3)
		FABS 325.3	Food Microbiology and Safety (formerly APMC 425.3, FAMS 425.3)
		FABS 334.3	Industrial Microbiology (formerly APMC 434.3, FAMS 434.3)

FABS 345.3	Unit Operations in Food Processing (formerly FDSC 345.3)	GEOE 475.3	Advanced Hydrogeology (now GEOE 375.3)
FABS 360.3	Water Microbiology and Safety	KIN 121.3	Functional Basis of Physical Activity
FABS 362.3	Functional Foods and Nutraceuticals	KIN 122.3	Social Behavioural Foundations of Physical Activity
FABS 366.3	Physicochemical Properties of Food Macromolecules	KIN 222.3	Biochmechanics I
FABS 371.3	Food Biotechnology (formerly FAMS 271.3)	KIN 225.3	Introductory Exercise Physiology I (formerly 220, 325)
FABS 401.3	Dairy Science and Technology	KIN 226.3	Introductory Exercise Physiology II
FABS 411.3	Lipid Science and Technology	KIN 255.3	Program Planning and Design for Leisure and Sport
FABS 412.3	Fluid Food Products (formerly FDSC 412.3)	KIN 355.3	Program Management and Implementation for Leisure and Sport (no longer offered)
FABS 417.3	Food and Bioproducts Analysis (formerly FDSC 417.3)	KIN 425.3	Physiology of Exercise
FABS 430.3	Environmental Microbiology (formerly APMC 430.3)	KIN 428.3	Nutrition Drugs and Physical Activity
FABS 433.3	Microbial Insecticides (formerly APMC 433.3)	KIN 442.3	Biomechanics II
FABS 435.3	Microbiological Techniques (formerly APMC 435.3)		
FABS 436.3	Biofuels Production		
FABS 437.3	Industrial Microbiology II (formerly APMC 437.3)		Up to 18 credit units of LAW courses may be counted as senior electives in the College of Arts & Science by students following the Second Degree Program, except for the LAW courses which are primarily skills-based courses.
FABS 450.3	Anaerobic and Rumen Microbiology (formerly APMC 450.3)		<b>Excluded</b> courses include LAW 384.3, LAW 430.3, LAW 439.3 and All Moots, including LAW 427.3, LAW 441.3, LAW 447.3, LAW 448.3, LAW 450.3, LAW 459.3, and LAW 464.3
FABS 452.3	Quality Assurance and HACCP (formerly FDSC 452.3)		All practicums, including LAW 492.12
FABS 457.3	Meat Science and Technology (formerly FDSC 457.3)		
FABS 460.3	Protein Science and Technology	MATH 100.6	Mathematics for Education Students
FABS 474.3	Food Enzymology	MATH 115.3	Calculus for Pharmacy [= MATH 125.3]
FABS 486.3	Sensory Evaluation of Food	MATH 121.3	Mathematical Analysis for Business and Economics
FABS 490.0	Honours Seminar (formerly FDSC 490.0)	MATH 123.3	Calculus I for Engineers [=MATH 110.3]
FABS 491.3	Research Project (formerly FDSC 491.3)	MATH 124.3	Calculus II for Engineers [= MATH 112.3 or 116.3]
FABS 492.3	Literature Thesis (formerly FAMS 492.3)	MATH 223.3	Calculus III for Engineers [MATH 225.3]
FABS 493.3	Product Development	MATH 224.3	Calculus IV for Engineers [MATH 226.3]
FABS 494.6	Research Thesis		
FIAR 100.6	Introduction to Fine Arts (no longer offered)	MCIM 223.3	Principles of Microbiology and Immunology for Nursing [=BMSC 210.3]
GE 210.3	Probability and Statistics [STATS 245.3]	MCIM 224.3	Microbiology for Pharmacists and Nutritionists [=BMSC 210.3]
GE 212.3	Electric and Magnetic Circuits I (no longer offered) [Senior PHYS .3]		
GE 226.3	Mechanics III (now ME 226.3)	ME 226.3	Mechanics III (formerly GE 226.3)
GE 401.3	Refer to RCM 401.3		
GEOE 218.3	Engineering Geology	MEAG 421.3	Principles of Food and Feed Processing Equipment (no longer offered)
GEOE 315.3	Rock Mechanics		
GEOE 334.3	Gravity, Magnetism and Radiation Methods (now GEOL 334.3, formerly GEOE 333.6)	MED 201.4	Pharmacology (formerly PCOL 301.6)
GEOE 335.3	Seismology, Radar and Electrical Methods (now GEOL 335.3, formerly GEOE 333.6)	MICR 316.3	Microbiology (no longer offered)
GEOE 375.3	Advanced Hydrogeology (formerly GEOE 475.3)		
GEOE 377.3	Fundamentals of Mining and Mineral Processing	NURS 390.3	Biostatistics (no longer offered) [=STATS 244.3]
GEOE 379.2	Geological Mapping (no longer offered)		
GEOE 411.3	Well-Logging (now GEOL 411.3, formerly GEOE 488.3)	NUTR 120.3	Basic Nutrition
		NUTR 220.3	Advanced Nutrition (no longer offered)
		NUTR 221.3	Advanced Nutrition Micronutrients

NUTR 305.3	Research Methods	RRM 114.3	Introductory Resource Economics and Policy (formerly RRM 212.3)
NUTR 310.3	Food Culture and Human Nutrition	RRM 312.3	Natural Resource Management and Indigenous Peoples
NUTR 321.3	Advanced Nutrition Macronutrients and Energy		
NUTR 322.3	Nutrition Throughout Lifespan		
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 240.3	Agricultural Soil Science (See EVSC 220.3)
PCOL 350.6	General Pharmacology (=PHPY 304.3, 305.3)	SLSC 312.3	Soil Fertility and Fertilizers
PCOL 432.6	Selected Topics	SLSC 313.3	Environmental Soil Chemistry
		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 (now SLSC 344.3)
		SLSC 344.3	Soil Ecology (formerly SLSC 343.3)
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
		SLSC 420.3	See EVSC
		SLSC 460.3	Forest Soils
PLSC 213.3	Principles of Plant Ecology (formerly PLEC 213)	SLSC 470.3	Evaluation of Land Resources (no longer offered)
PLSC 214.3	Statistical Methods (formerly PLSC 314.3)		
PLSC 235.3	Urban Food Production	VBMS 300.3	General Principles of Toxicology (now TOX 300.3)
PLSC 240.3	Plant Metabolism (formerly BIOC 220.3)	VBMS 425.3	Introduction to Toxicology
PLSC 301.3	Principles of Agronomy (no longer offered, formerly CRSC 301)	VBMS 428.3	Gastrointestinal Physiology
PLSC 311.3	General Apiculture		
PLSC 314.3	Statistical Methods (formerly CR SC 214 or 314) [=STATS 245.3] (now PLSC 214.3)		
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)		
PLSC 461.3	Post-Harvest Management of Horticultural Crops (formerly HORT 461)		
RCM 400.3	Rhetorical Theory and Practice of Persuasion		
RCM 401.3	Oral Rhetoric: Theory and Practice [= Senior Arts and Science .3] (formerly GE 401.3)		
RCM 402.3	Interpersonal Communication and Rhetoric		
RCM 404.3	Leadership as Communication		