



2021 – 2022

RED DEER COLLEGE **COURSE GUIDE**



WELCOME TO **RDC**

LEARNING PHILOSOPHY

Our commitment to learners and learning is at the heart of Red Deer College and this is reflected in our values of accountability, inclusiveness, exploration, excellence, integrity and community.

We believe in fostering intellectually rigorous, professionally relevant, and dynamic learning environments of inquiry, exploration, application and creativity. We ensure accessibility to multiple pathways of formal and informal learning through active engagement, facilitated learning processes, and scholarly excellence. We value learning because it empowers our learners to be highly productive in the work force and within our communities. We honour the intrinsic value of learning in supporting self development, growth and fulfillment in the individual learner. We promote positive lifelong learning habits and attitudes that embrace local, national, and global experiences, issues and perspectives.



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2021-2022 COURSE GUIDE

The Web version is the official Academic Calendar of Red Deer College. The Calendar and timetable set forth the intention of the College, at the time of publication, with respect to all matters contained therein. The College reserves the right, at any time, to make whatever changes are necessary, including the cancellation of particular courses, in order to serve the best interests of the College, or because of circumstances or occurrences beyond the College's control. The College expressly denies responsibility or liability to any person or persons who may suffer loss or who may be otherwise adversely affected by such.

ACADEMIC SCHEDULE – 2021 - 2022

July 2021						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

- 1 Canada Day – College closed
Fifty-eighth College Year begins
- 5 First day of classes for Summer term
- 5 Tuition fees for Summer term due
Registration will be cancelled if tuition is not paid
- 5 Last day to apply for Supplemental Exams for Spring term
- 7 Last day to apply for Summer term
- 9 Last day to register, add or drop Summer term courses
Last day for tuition refund
- 9 Supplemental Exams for Spring term written
- 30 Midterm feedback for Summer term

August 2021						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

- 1 First day to apply for Spring 2022
- 2 Heritage Day – College closed
- 17 Last day of classes for Summer term
Last day to withdraw from Summer term courses and receive a WD
- 23 First day of Final Exams for Summer term courses
- 24 Tuition Fees for Fall term and Full year courses due
Registration will be cancelled if tuition is not paid
- 25 Last day of Final Exams for Summer term courses
Waitlist Ends for Fall Term
- 27 Deferred Exams for Summer term written
- 30 Last day for submission of final grades for Summer term courses
- 31 Final grades available for Summer term courses

September 2021						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

- 1 New Student Orientation
First day to apply for Summer term
- 2 First day of classes for Fall term
- 6 Labour Day – College closed
- 7 Last day to apply for Fall term 2021
- 8 Last day to apply for Supplemental Exams for Summer term
- 11 Supplemental Exams for Summer term written
- 14 Last day to register, add or drop Fall term or Full year courses
Last day for tuition refund

October 2021						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

- 1 First day to apply for Fall term 2022
- 5 Emergency Response day
- 11 Thanksgiving Day – College closed
- 12-15 Reading Break – No credit classes
- 18 Credit classes resume

November 2021						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

- 1 Midterm feedback for Fall term
- 11 Remembrance Day – College closed
- 12 Final Exam schedule posted

December 2021						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

- 9 Last day of classes for Fall term
Last day to withdraw from Fall term courses and receive a WD
- 14 First day of Final Exams for Fall term courses
- 18 Last day of Final Exams for Fall term courses
- 21 Deferred Exams written
Waitlist Ends for Winter Term
- 23 Last day for submission of final grades for Fall term courses
- 24 Final grades available for Fall term courses
College closed at noon
- 25-3 College closed

Apprenticeship programs do not follow the academic schedule other than for statutory holidays.

January 2022						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

- 1 New Year's Day – College closed
- 3 Statutory Holiday – College closed
- 4 First day of classes for Winter
Tuition Fees for Winter term due
Registration will be cancelled if tuition is not paid
Midterm feedback for Full year courses
- 7 Last day to apply for Winter term Last day to apply for Supplemental Exams for Fall term
- 12 Last day to register, add or drop Winter term courses
Last day for tuition refund
- 15 Supplemental Exams for Fall term written

February 2022						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					

- 21 Family Day – College closed
- 22-25 Reading break – No credit classes
- 28 Credit classes resume

March 2022						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

- 1 Emergency Response Day
- 2 Midterm feedback Winter term
- 11 Final Exam Schedule posted

April 2022						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

- 1 First day to apply for Winter 2023
- 8 Last day of classes for Full year and Winter term courses
Last day to withdraw from Full year & Winter term courses and receive a WD
- 13 First day of Final Exams
- 15 Good Friday – College closed
- 18 College open – No credit classes Last day of Final Exams
- 20 Deferred Exams written
- 22 Last day for submission of final grades for Winter term and Full year courses
- 25 Final grades available for Winter term courses
Waitlist Ends for Spring Term
- 29 Last day to apply for Supplemental Exams for Winter term
- 30 Tuition Fee Deposit Deadline

May 2022						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

- 2 First day of classes for Spring term Tuition fees for Spring term due
Registration will be cancelled if tuition is not paid
- 3 Continuing Student Registration Opens
- 5 Last day to apply for Spring term
- 6 Last day to register, add or drop Spring term courses
Last day for tuition refund
- 7 Supplemental Exams for Winter term written
- 17 New Student Registration Opens
- 20 Final Exam Schedule posted
- 23 Victoria Day – College closed
- 27 Midterm feedback for Spring term

June 2022						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

- 3 Convocation
- 14 Last day of classes for Spring term courses
Last day to withdraw from Spring term courses and receive a WD
- 18-19 Annual Power Shutdown
- 20 First day of Final Exams for Spring term courses
- 22 Last day of Final Exams for Spring term courses
- 24 Deferred Exams written
- 27 Last day for submission of final grades for Spring term
Waitlist Ends for Summer Term
- 28 Final grades available for Spring term courses
- 30 College year ends

July 2022						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

- 4 Last day to apply for Supplemental Exams for Spring term
- 6 Supplemental Exams for Spring term written
- 30 Midterm feedback for Summer term

COURSE DESCRIPTIONS

In this section, courses are listed to show what is normally offered at Red Deer College. Some courses are not offered every year. Check the timetable to see if specific courses will be offered.

Each course is identified by the name of the subject, followed by a course number and a course weight. The instructor/student contact hours are also shown as well as the number of weeks the course normally lasts, the title of the course, and a brief description.

Example:

ACCT 206-3 (BC=4)

(3-1) 15 weeks

Auditing

ACCT	name of the subject, often an abbreviation
206	the course number which gives the course a unique identity
-3	the number which follows the dash is the course credit weight
(BC=4)	the number of billing credits
(3-1)	the instructor/student contact hours per week; 3 hours of class and 1 hour of lab
15 weeks	the number of weeks the class runs
Auditing	the title of the course

Assignment of Academic Credits, or Credit Weight, to Courses

Course credits are a measure of learning opportunities based on the number and type of instructional hours or equivalent learning experiences. For Red Deer College Diploma and Certificate courses, academic credits are normally equal to billing credits. For courses in University Transfer Programs, academic credits are normally equal to the credit given at university. This is usually equal to the number of lecture hours.

Definitions

Credit - The equivalent of 15 hours of class instruction. (Example: 1 hour per week for 15 weeks including the final exam period.)

Course - A series of learning opportunities within a specific subject area to which a final grade is assigned.

Courses have a variety of learning opportunities, among which are the following:

Class - a series of learning activities aimed at acquiring theory.

- i) Activities in the class are directed by the instructor OR
- ii) Context based Learning

Lab - a series of structured learning activities to facilitate the application of concepts, theories and principles.

Seminar/Tutorial - a series of structured learning activities aimed at further exploration and application of concepts, theories and principles.

Clinical - a series of learning activities aimed at applying theory in prescribed clinical experiences.

Practicum - a learning activity aimed at combining theory with practical experience.

Field Work - an educational experience involving work of a practical nature acquired by students in a work situation.

Instructor/Student Contact Hours

The figures in brackets following the course title and number show the number of contact hours per week. The first figure is the number of class hours. The last figure is the number of lab hours. Seminar hours are identified with an S. Practicum, Clinical and Fieldwork are usually expressed as total hours.

(3-0) Three hours of classes per week. No labs.

(3-3) Three hours of classes and three hours of labs per week.

(0-3) No classes. Three hours of labs per week.

(3-1S-3) Three hours of classes, 1 hour of seminar, and three hours of labs per week.

(3/2) Classes on alternate weeks

Course Length

Length of courses may vary, see timetable for length of courses. A term usually lasts 15 weeks, including the exam period. Courses lasting 15 weeks are called term courses.

Some courses last two terms, or 30 weeks. This includes two exam periods, one at the end of each term. These courses usually run from September to April. They are called full courses.

Prerequisites and Corequisites

Courses listed as prerequisites must be completed before you start the course in question. For example, BIOL 297 lists Biology 30 or equivalent as prerequisite. This means that you must complete Biology 30 or equivalent before you can take BIOL 297. Courses listed as Corequisites must be taken at the same time as the course in question.

Note: You usually have to complete a junior course in the same subject before you can take a senior course. This is true even if it is not listed as a prerequisite. If you wish to register in a 300-level course without having taken at least one 200-level course in the same subject, check with an advisor.

Restricted Courses

Some courses are available only if you are admitted to a certain program.

Reserved Courses

Some courses are available first to students in a certain program. Once most students have registered, these courses are opened to all students.

You can find information on restricted and reserved courses in the College Timetable.

Academic Upgrading Courses

See page 86.

Accounting

ACCT 102-4 (BC=4) (4-0) 15 weeks

Introductory Accounting I

Theory and practice of accounting as applied to the accumulation, external reporting, and external uses of financial accounting information.

Credit will not be granted for both ACCT 102 and 202.

ACCT 103-4 (BC=4) (4-0) 15 weeks

Introductory Accounting II

Preparing and analysing accounting information for shareholder and management use.

Prerequisite: ACCT 102.

Credit will not be granted for both ACCT 103 and 202.

ACCT 204-3 (BC=3) (3-0-0) 15 weeks

Managerial Accounting

Introduction to the nature, scope and use of managerial accounting. Topics include: management planning and control, inventory and cost flows, standard costs and variance analysis, budgeting, cost-volume-profit analysis, relevant costs and decision making.

Prerequisite: ACCT 103 or 202.

Credit will not be granted for both ACCT 104 and ACCT 204.

Bachelor of Commerce students must take ACCT 204.

Diploma students may take either ACCT 104 or ACCT 204.

ACCT 106-4 (BC=4) (3-2) 15 weeks

Management Accounting and Finance

Using accounting information for managerial decision making. Budgeting, financial forecasting and analysis, and an introduction to corporate finance.

Prerequisite: ACCT 102.

Credit will not be granted for both ACCT 104 and 106.

ACCT 202-3 (BC=5) (5-0) 15 weeks

Introductory Financial Accounting

Postulates, principles of accounting relating to external reporting, and uses of financial accounting information. Emphasis is on accounting for organizational resources and equities, preparing and analysing financial statements, and reporting to owners, creditors, and other external decision makers.

Note: Designed for Second Year Commerce Students.

Credit will not be granted for both ACCT 102/ 103 and 202.

ACCT 204-3 (BC=3) (3-0-0) 15 weeks

Managerial Accounting

Introduction to the nature, scope and use of managerial accounting. Topics include: management planning and control, inventory and cost flows, standard costs and variance analysis, budgeting, cost-volume-profit analysis, relevant costs and decision making.

Prerequisite: ACCT 103 or 202.

Credit will not be granted for both ACCT 104 and ACCT 204.

Bachelor of Commerce students must take ACCT 204.

Diploma students may take either ACCT 104 or ACCT 204.

ACCT 205-3 (BC=3) (3-0-0) 15 weeks

Cost Accounting

This course examines various costing methods and analytical tools used by management accountants to provide information and recommendations relevant to short-term and long-term decision making.

Prerequisite: ACCT 204 or consent of the Donald School of Business.

ACCT 209-3 (BC=4) (3-0-1) 15 weeks

Intermediate Financial Accounting I

This course examines issues and problems related to GAAP for income determination and revenue recognition. International Financial Reporting Standards (IFRS) and Accounting standards for Private Enterprises (ASPE) relating to recognition, measurement, and financial statement presentation of assets are addressed.

Prerequisites: ACCT 103 or 202 or consent of the Donald School of Business.

ACCT 210-3 (BC=4) (3-0-1) 15 weeks

Intermediate Financial Accounting II

This course provides an in-depth analysis of accounting theory and principles related to the reporting of short-term and long-term liabilities, leases, pensions, corporate income taxes, shareholders' equity, complex financial instruments, earnings per share, the cash flow statement, and accounting changes and error analysis. International Financial Reporting Standards (IFRS) and Accounting Standards for Private Enterprises (ASPE) relating to recognition, measurement, and financial statement presentation of liabilities and equity are addressed.

Prerequisite: ACCT 209 or consent of the Donald School of Business.

ACCT 214-3 (BC=3) (3-0-0) 15 weeks

Computer Accounting Applications

This course utilizes a hands-on approach to applying accounting knowledge through the use of pre-packaged accounting software. Students will use software modules to perform accounting cycle functions, including set-up and ongoing maintenance and prepare related financial reports.

Prerequisites: ACCT 102 or 202, BADM 210 or consent of the Donald School of Business.

COURSE DESCRIPTIONS

ACCT 305-3 (BC=4)

(3-1-0) 15 weeks

Personal and Corporate Taxation

This course covers Canadian income tax laws affecting individuals and corporations. Topics include the computation of individual and corporate income tax, taxable income, taxes payable, corporate distributions, taxation of capital gains, and the preparation of corporate and personal tax returns.

Prerequisite: ACCT 210 or consent of the Donald School of Business.

ACCT 306-3 (BC=4)

(3-1-0) 15 weeks

Auditing

This course examines the role of the internal or external auditor in business and explores the legal and ethical environment of auditing. Emphasis is placed on methods and procedures used in auditing and reporting as they relate to specific financial statement areas such as assets, liabilities, equities, revenues, and expenses. Other topics covered include internal control, risk and materiality, the audit of fraud, and auditing in a computer environment.

Prerequisite: ACCT 210 or consent of the Donald School of Business.

ACCT 308-3 (BC=4)

(3-1-0) 15 weeks

Advanced Managerial Accounting

This course examines advanced management accounting practices designed to help managers formulate and implement new strategies, motivate and evaluate organizational performance, and achieve operational excellence. This course emphasizes current management accounting practices within a variety of business environments using a case approach. These practices include the theory of constraints, activity-based management, cost-based decision making, and the balanced scorecard.

Prerequisite: ACCT 205 or consent of the Donald School of Business.

ACCT 310-3 (BC=4)

(3-1-0) 15 weeks

Advanced Financial Accounting

This is a senior level course in financial accounting, which covers the following areas: intercompany investments, joint ventures, accounting for not-for-profit organizations, and translation of foreign currency transactions and financial statements.

Prerequisite: ACCT 210 or consent of Donald School of Business.

Acting

ACT 105-2 (BC=2)

(1-0-2) 15 Weeks

Expressive Body I

Introduction to physical technique and practices as they relate to the performing artist. Ensemble building, vocabulary and communication, with a focus on creative physical expression.

ACT 107-2 (BC=2)

(2-0-0) 15 Weeks

Voice and Speech I

Introductory course in voice and speech for effective communication. Exercises and practical applications in a variety of speaking contexts focus on vocal function, breath, resonance, articulation and coping with performance stress.

ACT 109-3 (BC=3)

(2-0-3) 15 Weeks

Acting I

Explore the potential of the self to express creative ideas, thoughts and feelings through storytelling. Introduction to acting as behaving under given imaginary circumstances.

ACT 110-3 (BC=3)

(2-0-3) 15 Weeks

Acting II

Examine the basic principles of acting and storytelling. Focus on ensemble creation and experimenting with intuitive and imaginative choices based on observations of the self, others, and the environment. Begin the exploration of improvised and text based performance.

Prerequisite: ACT 109.

ACT 205-2 (BC=2)

(1-0-2) 15 Weeks

Voice and Body I

Integration of voice and body techniques as they relate to the performing artist in stage and film.

Prerequisite: ACT 105 and ACT 107.

ACT 206-2 (BC=2)

(1-0-2) 15 Weeks

Voice and Body II

Continued integration of voice and body techniques as they relate to the performing artist. Further voice work for expanded creative performance. Body work for a flexible, strong instrument.

Prerequisite: ACT 205.

ACT 207-2 (BC=2)

(1-0-3) 15 Weeks

Voice and Speech II

Introduction to Voice Acting with a continuation of vocal development and communication for the performing artist. Extended work in accents and dialects. Performance of original and established text.

Prerequisite: ACT 107.

ACT 209-2 (BC=2)

(1-0-3)

Acting III

Examine aspects of acting that differentiate between stage and film performance in contemporary forms. Embody, enhance and expand elements of Acting I and Acting II in performing basic skills necessary to meet the demands of both stage or film acting.

Prerequisite: ACT 110.

ACT 210-4 (BC=4)

(2-0-4) 15 Weeks

Acting IV

Examine aspects of acting that differentiate between stage and film performance in classical forms. Expand stage skills with a focus on the requirements for scene and monologue work in classical text. Explore the medium of film using classical film text to explore actor choices based on personal experience, imagination and authenticity.

Prerequisite: ACT 209.

ACT 213-2 (BC=2) (1-0-2) 15 Weeks Voice Acting Basics of voice acting and training. Development of practical skills and tools for the voice acting industry with emphasis given to interpreting scripts and building a voice acting demo.	ACT 230-1 (BC=2) (1-1-0) 15 Weeks Production Company Management I Modeling arts management and leadership through working as a non-profit board mirroring professional and community driven models. Defining roles and responsibilities as a working board. Defining roles and responsibilities as an artistic and production team. Envisioning a company mandate for a body of work. Prerequisite: None. Corequisite: FTLE 215.	ACT 309-3 (BC=3) (2-0-2) 15 Weeks Acting V Develop and refine the skill level of acting techniques/procedures acquired. Explore the demands of performing scenes of heightened emotional intensity and complexity. Practice skills necessary to perform under greater complex script and production demands. Developing creative, imaginative interpretations of character. Prerequisite: ACT 210.
ACT 215-3 (BC=3) (2-0-2) 15 Weeks Song and Dance I Focusing on basic training and integration of the three major components of Musical Theatre: Acting, Singing, and Dancing. Prerequisite: ACT 110.	ACT 305-3 (BC=3) (2-0-2) 15 Weeks Voice and Body III Application of voice and body techniques as they relate to the performing artist. Further voice work for expanded creative performance. Bodywork for a flexible, strong instrument. Focus on creative process including imagination, spontaneity, risk taking, and commitment. Prerequisite: ACT 206.	ACT 310-4 (BC=4) (2-0-4) 15 Weeks Acting VI Develop and refine the skill level of acting techniques/procedures acquired. Explore the demands of performing scenes of heightened emotional intensity and complexity. Practice skills necessary to perform under greater complex script and production demands. Developing creative, imaginative interpretations of character. Prerequisite: ACT 309.
ACT 220-3 (BC=3) (3-0-0) 15 Weeks Directing II Examine the different duties and responsibilities of a stage director and a film director. Experiment with basic directing concepts and working with cast and crew. Prerequisite: FTLE 205.	ACT 306-3 (BC=3) (2-0-2) 15 Weeks Voice and Body IV Continued application of voice and body techniques as they relate to the performing artist. Further voice work for expanded creative performance. Body work for a flexible, strong instrument. Integration towards performance using all skills acquired. Prerequisite: ACT 305.	ACT 315-3 (BC=3) (2-0-2) 15 Weeks Song and Dance II An intermediate level course focusing on integration of Acting, Singing, Dancing and Audition Techniques for Musical Theatre. Prerequisite: ACT 215. Corequisite: MUSS 145.
ACT 224-3 (BC=3) (2-0-2) 15 Weeks Stage Combat I Development of stage combat techniques: unarmed and sword, with a focus on safety, technical proficiency and emotional investment. Physical interpretation of text. Hours go toward national certification as Basic Actor Combatant through Fight Directors Canada. Prerequisite: ACT 105 or instructor approval.	ACT 308-2 (BC=2) (1-0-2) 15 Weeks Acting with Technology Examine acting as it relates to new and advanced technology to enhance and record performance. This course is designed to further the learning experience in developing acting skills and working with actors (directors, animators, etc.) using advanced and emerging technologies (eg. green screen). Prerequisite: ACT 210.	ACT 320-3 (BC=3) (2-0-2) 15 Weeks Auditions Emphasis is on the knowledge, strategies, and skills needed for professional film, tv, and audio auditions. Students will develop a professional resume, photograph, and industry standard reels/tapes/DVD. Prerequisite: FTLE 205.
ACT 226-2 (BC=2) (1-0-3) 15 Weeks Expressive Body II Continuation of physical technique and practices as they relate to the performing artist, with a focus towards creation of solo and ensemble performance. Employing body as a flexible, strong and expressive instrument in coordinated work. Integration of movement vocabulary, notation and physical communication skills. Exploration of Mask as a form of physical character transformation. Prerequisite: ACT 105.		ACT 322-2 (BC=3) (2-0-1) 15 Weeks Auditioning II Builds on Auditions. Emphasis is on the expansion of knowledge, strategies, and skills needed for professional film, TV, and theatre auditions. Larger parts, emotionally challenging characters designed to expand the actors repertoire. Online marketing strategies of the actor. Prerequisite: ACT 320.

ACT 324-3 (BC=3)
(2-0-2) 15 Weeks
Stage Combat II

Further development of stage combat techniques: combination of unarmed, sword and quarterstaff, with a focus on safety, technical proficiency, and emotional investment. Physical interpretation of text. Attainment of national certification as Basic Actor Combatant through FDC (Fight Directors Canada).

Prerequisite: ACT 224.

ACT 326-3 (BC=3)
(2-0-2) 15 Weeks
Directing for Film I

Study in detail the director's contributions to the creative process of producing a film. Examine strategies to encourage and influence the actors' contributions to the process. Communicating effectively with above-the-line personnel.

Prerequisite: FTLE 205.

ACT 327-3 (BC=3)
(2-0-2) 15 Weeks
Directing for Film II

In depth analysis of established director's styles, techniques and film work related philosophies. Working with cast and crew in scenes of heightened complexity. Develop a unique concept of cinematic storytelling.

Prerequisite: ACT 326.

ACT 329-4 (BC=4)
(2-0-4)
Directing for Stage

Crafting stylized performance for the stage utilizing creative elements of the developing director. Using heightened text and expressive forms of storytelling. The collaborative art of directing dramatic literature with a production team and actors.

Prerequisite: FTLE 205.

ACT 330-1 (BC=1)
(0-2-0) 15 Weeks
Production Company Management II

Practice leadership within a non-profit board structure. Visioning of a production season that could be presented as a 4th year company of artists. Budgeting/securing performance royalties, and devising sponsorship campaigns. Pitching co-productions with established professional companies within Alberta. Selecting plays, projects and film productions matched to company goals and assigned resources.

Prerequisite: ACT 230.

ACT 331-1 (BC=1)
(0-2-0)
Production Company Management III

Implement plans for a season of creative work. Continued non-profit Board governance and management of revised budgets. The selection and contracting of an artistic team for a season of production / performance work in a variety of mediums. Developing a public profile and implementation of a marketing / media and fundraising campaign. Front of House management and audience development.

Prerequisite: ACT 330.

Administrative Professional

APRO 100-3 (BC=3)
(3-0) 15 weeks
Information Processing

Introduce computer concepts, systems, and terminology using Microsoft Windows and Word. Develop electronic file management and basic Word skills.

APRO 101-3 (BC=3)
(3-0) 15 weeks
Spreadsheet Fundamentals

Develop basic to intermediate skills in the operations of Microsoft Excel. Create and format worksheets and charts; write formulas; perform what-if analyses; and, use financial functions.

APRO 102-3 (BC=3)
(3-0) 15 weeks
Computer Essentials

Create a database, research topics using the internet, identify the basic components of a computer system, troubleshoot hardware and software problems, prepare an electronic presentation and use a variety of internet and distance delivery tools.

APRO 110-3 (BC=3)
(3-0) 15 weeks
Document Processing I

Develop keyboarding speed and accuracy through an emphasis on building skill using proper technique.

APRO 111-3 (BC=3)
(3-0) 15 weeks
Document Processing II

Further develop keyboarding speed and accuracy skills. Produce business correspondence, including using mail merge, sorting and selecting functions, fill-in forms, tables, and columns to produce visually appealing and professional-looking documents.

Prerequisites: APRO 100, 110.

APRO 126-6 (BC=6)
(6-0) 15 weeks
Basic Accounting

Apply accounting principles in manual and automated environments and learn the fundamentals of accounting through hands-on experience.

APRO 130-3 (BC=3)
(3-0) 15 weeks
Office Systems I

Develop current office practices including records management, telephone calls, mail procedures, social media apps and basic business math.

APRO 131-3 (BC=3)
(3-0) 15 weeks
Office Systems II

Explore the systems, procedures and technology of the contemporary office. Complete an office simulation package.

Prerequisites: APRO 130, APRO 110 and APRO 100.

APRO 135-3 (BC=3)
(3-0) 15 weeks

Introduction to Industry Sectors

Assist the students in determining an industry sector for practicum and workforce employment. Increase the students' awareness and understanding of the industries within Alberta. Create an effective resume, cover letter, and portfolio. Develop interview skills.

APRO 160-3 (BC=3)
(3-0) 15 weeks

Personal Leadership

Develop interpersonal communication skills; practice oral presentation skills; application of professional skills; and, complete a class project.

APRO 170-3 (BC=3)
(120 hours) 6 weeks

Practicum

Application of technical and administrative skills through employment in an office setting. Prerequisite: A minimum GPA of 2.00 with no grade lower than D in the Administrative Professional Certificate fall and winter term courses.

Anthropology

Note: Not all courses listed may be offered. Check Course Timetable for availability.

ANTH 200-3 (BC=3)
(3-0-0) 15 weeks

People and Biocultural Evolution

Examine people and cultures around the world, using basic concepts of archaeology and biological anthropology (e.g. methodology, evolution, primatology, human origins/ancestry).

Antirequisite: ANTH 203.

ANTH 201-3 (BC=3)
(3-0-0) 15 weeks

People and Culture

Examine people and cultures around the world, using basic anthropological concepts (e.g. culture, linguistic anthropology, practices, culture change).

Antirequisite: ANTH 203

ANTH 204-3 (BC=3)
(3-0-0) 15 weeks

Global Citizenship

Survey basic elements of global citizenship. Building knowledge and understanding the interconnectedness of human cultures will be explored through topics including social justice and equity, diversity, globalization and interdependence, sustainable development, and peace and conflict.

ANTH 306-3 (BC=3)
(3-0-0) 15 weeks

Archaeology

Explore the nature, purposes, theory, and methods of anthropological archaeology. Emphasis on how archaeological evidence (e.g. material culture, human remains, dating techniques) is used to reconstruct past societies and explain cultural change and evolution.

ANTH 307-3 (BC=3)
(3-0-0) 15 weeks

Cultural Anthropology

Compare human societies and cultures, particularly non- Western communities. Emphasis is on family, social structure, political institutions, subsistence and economic practices, religion and processes of change.

ANTH 308-3 (BC=3)
(3-0-0) 15 weeks

Linguistic Anthropology

Examine language and communication from an anthropological perspective. A brief survey of analytical and field methods. Theory in linguistic anthropology.

ANTH 309-3 (BC=3)
(3-0-0) 15 weeks

Biological Anthropology

Explore human origins, evolution and diversity. Topics include evolutionary theory, primatology, human palaeontology, osteology, variation and adaptation in modern populations, and genetic evidence of ancestry.

ANTH 321-3 (BC=3)
(3-0-0) 15 weeks

Survey: Latin America

Apply an ethnographic perspective to survey modern Latin American cultures in Mexico, the U.S., the Caribbean, and Central and South America, with an emphasis on their development from the 16th to the 21st century. Topics may range from historical to contemporary issues.

ANTH 323-3 (BC=3)
(3-0-0) 15 weeks

Survey: Africa

Apply an ethnographic perspective to survey cultural groups across Africa, from traditional foraging groups through to current industrial societies.

ANTH 327-3 (BC=3)
(3-0-0) 15 weeks

Cultures in Global Context

Examine the historical development of indigenous and minority cultures around the world. Focus on relationships among race, class, culture, and politics. Critical analysis of genocide, ethnocide, and prospects for the future.

ANTH 330-3 (BC=3)
(3-0-0) 15 weeks

Technology and Culture

Explore the evolution of human tools and technologies. How society adapts to environment through technology. Relationships between technology, ideology and social organization. Role of technology in shaping culture.

ANTH 331-3 (BC=3)
(3-0-0) 15 weeks

Anthropology of Gender

Examine the historical development of gender and women's studies in anthropological context. Gender as a central feature of social identity and relations of power. Theoretical perspectives and feminist approaches.

COURSE DESCRIPTIONS

ANTH 356-3 (BC=3)

(3-0-0) 15 weeks

Survey: Indigenous Canada

Apply an ethnographic perspective in a survey of Canadian Indigenous cultures (First Nations, Inuit, Metis). Topics may range from interactions with European settler cultures to historical and contemporary issues.

ANTH 357-3 (BC=3)

(3-0-0) 15 weeks

Applied Anthropology

Employ anthropological knowledge and research methods in a practical/community setting. Includes discussion of the specific challenges of practicing anthropology outside of academia.

Prerequisite: ANTH 201 or 203 or consent of the Department.

ANTH 361-3 (BC=3)

(3-0-0) 15 weeks

Mesoamerica and Central America

Explore the archaeology and cultural history of the indigenous peoples and civilizations of Mesoamerica and Central America, with special focus on Mexican groups (e.g. Maya, Aztecs, Olmecs). Topics include technology, social and political organization, economic systems, religion and worldview, languages, and artistic traditions.

ANTH 363-3 (BC=3)

(3-0-0) 15 weeks

Anthropology of Religion

Explore religious practice, ritual, belief systems, and worldview in cultures around the world from the perspective of anthropological theory. Traditional and world religions. Taboo, divination, healing, sacrifice, shamanism, magic and witchcraft. Relations between religious belief and practice and other aspects of culture.

ANTH 370-3 (BC=3)

(3-0-0) 15 weeks

Special Topics in Archaeology

Examine selected topics in archaeology and/or biological anthropology. This course may be repeated for credit. **Prerequisites:** ANTH 200 or ANTH 203, or consent of the department.

ANTH 375-3 (BC=3)

(3-0-0) 15 weeks

Special Topics in Anthropology

Examine selected topics in cultural anthropology.

This course may be repeated for credit.

Prerequisites: ANTH 201 or ANTH 203 or consent of the department.

Art

Note: Not all courses listed may be offered. Check Course Timetable for availability.

ART 101-5 (BC=5)

(0-1) 15 weeks

Visiting Artists

This is a presentation based course featuring a diverse range of art professionals who are active in the visual art community. Presentations will contain a variety of graphic content.

Note: This course will be evaluated using a credit (pass)/non-credit (fail) grading system based upon 75% attendance.

Note: Repeat for credit 4 times for 2 credits. To complete their program requirement, BFA and Visual Art students must have completed a total of 2 credits in ART 101.

ART 201-3 (BC=3)

(3-0-0) 15 weeks

Art History I

Developments and concepts in art, architecture, and culture in the Western hemisphere. Examines the periods of Prehistory through to the Renaissance.

Note: Not eligible for challenge.

ART 203-3 (BC=3)

(3-0-0) 15 weeks

Art History II

Concepts, theory, and developments in art, architecture, and culture in the Western hemisphere. Examines the periods the Renaissance through to Present Day.

ART 231-3 (BC=5)

(4-2) 15 weeks

Visual Fundamentals 2D

A foundation level, project based studio course that introduces the formal elements and principles of two dimensional design.

Note: Not eligible for challenge.

ART 233-3 (BC=5)

(4-2) 15 weeks

Visual Fundamentals 3D

A foundation level, project based studio course that introduces the formal elements and principles of three dimensional design.

Note: Not eligible for challenge.

ART 241-3 (BC=5)

(4-0-2) 15 weeks

Drawing I

A foundation level, project based studio course that introduces students to a variety of drawing processes and subject matter including still life, portraiture, and life drawing. A strong emphasis is placed on the development of perceptual and technical skills.

Note: May include use of life models.

Note: Not eligible for challenge.

ART 243-3 (BC=5)

(4-0-5) 15 weeks

Drawing II

A foundation level, project based studio course that focuses on a variety of drawing processes and subject matter including still life, portraiture, and life drawing. A strong emphasis is placed on the development of perceptual, technical skills, and different media and materials.

Prerequisite: ART 241.

Note: May include use of life models.

Note: eligible for challenge.

ART 251-3 (BC=5)

(4-0-2) 15 weeks

Two Dimensional Studies - Painting I

A foundation level, project based studio course that focuses on a variety of drawing processes and subject matter including still life, portraiture, and life drawing. A strong emphasis is placed on the development of perceptual, technical skills, and different media and materials.

Prerequisite: ART 241.

Note: May include use of life models.

Note: eligible for challenge.

ART 261-3 (BC=5) (4-0-2) 15 weeks Three Dimensional Studies - Ceramics I A foundation level, project based studio course that introduces the development of technical skills and processes of ceramics in a historical and contemporary context. This course emphasizes design principles. Note: Not eligible for challenge.	ART 310-1 (BC=2) (1-0) 15 weeks Professional Practice I The exploration and application of issues, responsibilities, techniques, and systems related to a professional artistic practice with an emphasis on portfolio development. Prerequisites: ART 231, 233, 241, 243, 251, 261, 281 or department approval.	ART 351-3 (BC=5) (4-2) 15 weeks Painting II A project based studio focusing on theory and practice of painting with an emphasis on developing intermediate skills. Traditional, contemporary, and experimental painting approaches will be applied to painting from observation, conceptual approaches, and problem solving. Prerequisite: ART 251. Note: May include use of life models. Not eligible for challenge.
ART 281-3 (BC=5) (4-0-2) 15 weeks Three Dimensional Studies - Sculpture I A foundation level, project based studio course that introduces the development of technical skills and processes of sculpture in a historical and contemporary context. This course emphasizes design principles. Note: Not eligible for challenge.	ART 311-1 (BC=1) (1-0) 15 weeks Professional Practice II The exploration and application of issues, responsibilities, techniques, and systems related to a professional artistic practice with an emphasis on proposals, support agencies, and contractual and financial matters. Prerequisite: ART 310 or department approval.	ART 353-3 (BC=5) (4-2) 15 weeks Painting III A project based studio course focusing on theory and practice of painting with an emphasis on developing intermediate skills and a personal approach to imagery and concepts. Traditional, contemporary, and experimental painting approaches will be applied to painting. Prerequisite: ART 351. Note: May include use of life models. Not eligible for challenge.
ART 301-3 (BC=3) (3-0) 15 weeks Art History Forms and concepts in art and architecture in Canada. Early French and English colonial periods to Confederation.	ART 341-3 (BC=5) (4-2) 15 weeks Drawing III A project based course focusing on theory and practice of drawing with emphasis on developing intermediate drawing and perceptual skills. Traditional, contemporary, and experimental drawing approaches will be applied to still life, landscape, figuration, and drawing from observation. Prerequisite: ART 241 and ART 243. Note: May include use of life models. Not eligible for challenge.	ART 361-3 (BC=5) (4-2) 15 weeks Ceramics II A project based intermediate studio class with focus on the techniques of throwing on the potter's wheel and hand-building. Emphasis on surface development and glazing. Use of electric kiln and basic firing technology. Theory and practice within a historical and contemporary context. Prerequisite: ART 261. Note: Not eligible for challenge.
ART 303-3 (BC=3) (3-0) 15 weeks Art History Forms and concepts in Canadian art and architecture from Confederation to modern. The Group of Seven, Nationalism, Regionalism, and more recent development.	ART 343-3 (BC=5) (4-2) 15 weeks Drawing IV A project based course focusing on theory and practice of drawing with emphasis on developing intermediate drawing and perceptual skills. Traditional, contemporary, and experimental approaches to drawing will be applied to still life, narrative work, figuration, and drawing from observation. Prerequisite: ART 341. Note: May include use of life models. Not eligible for challenge.	ART 363-3 (BC=5) (4-2) 15 weeks Ceramics III A project based intermediate studio class introducing slip-casting and mould-making with an integrated approach to employing throwing and hand-building processes. Development of a personalized approach to surface treatment and basic glaze technology referencing historical and contemporary practice. Further instruction in firing technology. Prerequisite: ART 361. Note: Not eligible for challenge.
ART 305-3 (BC=3) (3-0-0) 15 weeks Art History Examination of European painting, sculpture, and architecture. The course is specifically focused on the developments during nineteenth century through to the end of Impressionism.		
ART 306-3 (BC=3) (3-0-0) 15 weeks Art History Exploration of the history of painting, sculpture, and architecture. Examining the periods from the end of Impressionism through to the 21st century.		

COURSE DESCRIPTIONS

ART 375-3 (BC=5) (4-2) 15 weeks Printmaking I Relief printmaking, including woodcut, wood engraving, linocuts, and colour printmaking. Prerequisites: For AU, U of C, U of L, AUC, B.F.A. program: ART 231, 233, 243. For U of A, B.F.A. program: ART 231, 233, 243, 251/281.	ART 391-3 (BC=5) (4-0-2) 15 weeks Contemporary 2D Strategies and Technologies I A project based studio course introducing students to fundamental concepts, techniques and strategies, for two-dimensional contemporary art practices. Course will address and consider new and developing technologies and media as well as traditional, contemporary, and experimental approaches to 2D artwork. Students will use digital, mechanical, and hand tools. Prerequisite: ART 231 or ART 241. Note: May include use of life models. Not eligible for challenge.	ART 451-3 (BC=5) (4-2) 15 weeks Painting Expanding your ability in and knowledge of painting concepts and processes. Using and handling related media. Prerequisite: ART 353. Note: Not eligible for challenge.
ART 377-3 (BC=5) (4-2) 15 weeks Printmaking II Silkscreen (serigraph) printmaking. Prerequisites: For AU, U of C, U of L, AUC, B.F.A. program: ART 231, 233, 243. For U of A, B.F.A. program: ART 231, 233, 243, 251/281. Corequisite: ART 379.	ART 393-3 (BC=5) (4-0-2) 15 weeks Contemporary 2D Strategies and Technologies II A project based studio course introducing students to fundamental concepts, techniques and strategies, for two-dimensional contemporary art practices. Course will address and consider new and developing technologies and media as well as traditional, contemporary, and experimental approaches to 2D artwork. Students will use digital, mechanical, and hand tools. Prerequisite: ART 391, ART 231 or ART 241. Note: May include use of life models. Not eligible for challenge.	ART 453-3 (BC=5) (4-2) 15 weeks Painting ART 451 continued. Prerequisite: ART 451. Corequisite: ART 499. Note: Not eligible for challenge.
ART 379-3 (BC=5) (4-2) 15 weeks Printmaking III Intaglio and relief printmaking. Includes etching, engraving, collograph, and colour printing.	ART 441-3 (BC=5) (4-2) 15 weeks Drawing Emphasis is on an individual problem solving approach. You have more responsibility to set visual and conceptual parameters and to extend your visual inquiry process. Prerequisite: ART 343. Note: May include use of life models. Not eligible for challenge.	ART 461-3 (BC=5) (4-2) 15 weeks Ceramics ART 363 continued. Emphasis is on refining personal imagery in terms of composition and conception. More in-depth understanding of ceramic techniques. Prerequisite: ART 363. Note: Not eligible for challenge.
ART 381-3 (BC=5) (4-2) 15 weeks Sculpture II A project based intermediate sculpture course focusing on the development of skills, techniques and material understanding related to sculpture. Traditional, contemporary, and experimental approaches will be applied to materials, problem solving, and presentation in larger context of sculpture. Prerequisite: ART 281. Note: Not eligible for challenge.	ART 443-3 (BC=5) (4-2) 15 weeks Drawing ART 441 continued. Prerequisite: ART 441. Note: May include use of life models. Not eligible for challenge.	ART 463-3 (BC=5) (4-2) 15 weeks Ceramics ART 461 continued. Prerequisite: ART 461. Note: Not eligible for challenge.
ART 383-3 (BC=5) (4-2) 15 weeks Sculpture III A project based intermediate sculpture course focusing on the development of skills, techniques and material understanding related to sculpture. Traditional, contemporary, and experimental approaches will be applied to generating ideas, installation, and technology in the larger context of sculpture. Prerequisite: ART 381. Note: Not eligible for challenge.	ART 475-3 (BC=5) (4-2) 15 weeks Printmaking - Relief Intaglio Technology of relief and intaglio printing processes. Developing personal imagery, effective visual communication, composition, and design. Prerequisite: ART 375 and 379. Note: Not eligible for challenge.	ART 479-3 (BC=5) (4-2) 15 weeks Printmaking - Relief Intaglio ART 475 continued. Prerequisite: ART 375, 379. Note: Not eligible for challenge.

ART 481-3 (BC=5)**(4-2) 15 weeks****Sculpture**

Extending your performance base as it relates to ideas, media, and process.

Prerequisite: ART 383.

Note: Not eligible for challenge.

ART 483-3 (BC=5)**(4-2) 15 weeks****Sculpture**

ART 481 continued.

Prerequisite: ART 481.

Note: Not eligible for challenge.

Arts and Animation

ARAN 110-3 (BC=5)**(4-0-2) 15 Weeks****Drawing and Figure Sculpting from Life**

Develop technical skills, perceptual skills, and an understanding of how to represent a dynamic, believable human form in both two and three dimensions. Develop a strong foundational experience in portraying accurate anatomy of the human figure.

Prerequisites: ART 231, ART 241.

Note: May include use of life models.

ARAN 205-3 (BC=5)**(4-0-2) 15 Weeks****Life Drawing II**

Learn to utilize exaggeration, foreshortening, value, and the overall dynamic reality of the human form.

Prerequisite: ARAN 110.

Note: May include use of life models.

ARAN 305-3 (BC=5)**(4-0-2) 15 Weeks****Life Drawing III**

An advanced experience in drawing the human form, concentrating on areas such as fabric folds, the creation of atmosphere using value and line, and creating the feeling of flesh, bone, and cloth by adding marks to paper.

Prerequisite: ARAN 205.

Note: May include use of life models.

Animation and Visual Effects

AVFX 101-5 (BC=5)**(4-0-2) 15 Weeks****2D Animation**

Learn the basic principles of digital 2D animation while animating on layers. Use the 12 principles of animation: squash and stretch, anticipation, staging, straight ahead versus pose to pose, follow through and overlapping action, slow in and slow out, arcs, secondary action, timing, exaggeration, solid drawing, and appeal.

Corequisite: ART 231, ART 241.

AVFX 103-5 (BC=5)**(4-0-2) 15 Weeks****Layout and Design**

Draw with correct perspective. Design locations and characters that serve the story. Create layouts for animation.

Prerequisites: ART 241, ART 231.

Corequisites: CREA 110.

AVFX 107-5 (BC=5)**(4-0-2) 15 Weeks****3D Animation and Visual Effects**

Create simple animations that encompass the typical steps taken in a 3D animation production pipeline. Create 'previs' animations.

Prerequisites: AVFX 101.

Corequisites: AVFX 103.

AVFX 109-3 (BC=3)**(3-0-0) 15 Weeks****Animation History**

The history of animation and visual effects (VFX). Survey of cultural, economic, and technological trends that shaped the industry. Analysis of representative animated films.

AVFX 201-5 (BC=5)**(4-0-2) 15 Weeks****Modeling and Texture Painting I**

Create hard surface models in 3D software using box modeling, and high poly sculpting and baking techniques. Layout efficient texture coordinates, and create 2D texture maps.

Prerequisite: AVFX 107.

AVFX 203-5 (BC=5)**(4-0-2) 15 Weeks****3D Character Animation I**

Building on the 12 principles of animation, create character animation in a 3D environment on a computer. Learn about function curves and playblasts while creating both bipedal and quadrupedal animations.

Prerequisites: AVFX 101, AVFX 107.

AVFX 207-3 (BC=3)**(2-0-3) 15 Weeks****Colour and Light**

Augment the telling of a story using colour and light. Create colour keys, use colour and layout to control the viewer's eye. Create colour scripts.

Prerequisites: ART 231, ART 241, AVFX 103.

AVFX 209-5 (BC=5)**(4-0-2) 15 Weeks****Post Production I**

Intro to basic compositing, rotoscoping, tracking and working with screen footage using typical feature film and animation workflows. This is combined with an intro to basic editing, and building edits from storyboards of sequences, such as dialogues and lines of action.

Prerequisites: CREA 110.

AVFX 211-3 (BC=3)**(2-0-3) 15 Weeks****Storyboarding**

Learn thumbnailing, rough composition, and final storyboards; communicating camera moves; aspect ratios; types of shots; lessons from film direction, such as continuity between shots, composition, staging, and silhouettes. Visually communicate a basic 3 act story structure in storyboard form. Create, revise and pitch storyboards.

Prerequisite: ART 231, CREA 110,

AVFX 101, AVFX 103.

AVFX 213-3 (BC=3)**(2-0-3) 15 Weeks****Rigging I**

Focusing on the articulation of joints, create animation ready rigs for animated characters within 3D software.

Prerequisite: AVFX 107.

COURSE DESCRIPTIONS

AVFX 215-5 (BC=5)

(4-0-2) 15 Weeks

Digital Sculpting

Digitally sculpt and then retopologize character models. Prepare models for animation and texture painting with an awareness of appealing form, skeletal landmarks and muscular groups.

Prerequisite: AVFX 201.

AVFX 301-3 (BC=3)

(2-0-3) 15 Weeks

Texture Painting II

Learn various texturing workflows. Produce artwork for your demo reel, with a focus on painted textures.

Prerequisite: AVFX 107, AVFX 201, AVFX 207.

Corequisite: AVFX 307.

AVFX 303-5 (BC=5)

(4-0-2) 15 Weeks

3D Character Animation II

Animation of complex action for both bipedal and quadrupedal characters, as well as complex dialogue between multiple characters. Animation principles are applied to lip sync and pantomime.

Prerequisite: AVFX 203.

AVFX 307-3 (BC=3)

(2-0-3) 15 Weeks

Lighting and Rendering

Work with a variety of digital lighting and rendering scenarios in 3D software. Learn render farm workflows.

Prerequisite: AVFX 107, AVFX 207, AVFX 209.

AVFX 309-5 (BC=5)

(4-0-2) 15 Weeks

Advanced Compositing

Compositing of CG rendered passes, learning wire rig removal and the creation of clean plates, pulling a key from greenscreen footage, and the incorporation of 2.5D/3D set design/matte paintings. Intro to stereoscopic setup and immersive virtual reality compositing flows.

Prerequisite: AVFX 209.

AVFX 311-2 (BC=3)

(2-0-1) 15 Weeks

Special Projects in Collaboration

Collaborate on a 3D animation-related project with a client, either internal or external to the college. This project will include meeting milestones for clients, as well as producing demo reel materials.

Prerequisite: Successful completion of all third year Term 1 courses.

AVFX 313-5 (BC=5)

(4-0-2) 15 Weeks

Rigging II

A focus on deformation of meshes.

Problem solve rigging situations and create complex animation-ready rigs for animated characters, with 3D software.

Prerequisite: AVFX 213.

AVFX 315-2 (BC=3)

(4-0-2) 8 Weeks

Matchmoving/3D Integration

Work with film footage as image sequences, practice matchmoving and 3D integration. Build camera tracks. Extract 3D information from 2D footage.

Prerequisite: AVFX 107.

AVFX 317-2 (BC=3)

(4-0-2) 7 Weeks

Motion Capture Cleanup

Clean up raw motion capture files, creating useable cycles. Test them in 3D software.

Prerequisite: AVFX 107, AVFX 209, AVFX 303.

AVFX 319-5 (BC=5)

(4-0-2) 15 Weeks

Visual Effects

Design and develop visual effects simulation in node based software.

Examples may include rigid body dynamics, cloth simulations, particles simulations such as explosions, smoke, fluids, and fur.

Prerequisite: AVFX 107, AVFX 309.

AVFX 405-15 (BC=15)

(3-0-28) 15 Weeks

Pre-Production for Area of Specialization

Plan and execute pre-production for 3D animation related to final project(s). Identify mentors. Assemble previs. Develop production assets for 3D animation related final project(s) to a 50% level of completion. Work with mentors. Meet individual milestones.

Prerequisite: Successful completion of all third year courses.

AVFX 410-15 (BC=15)

(3-0-28) 15 Weeks

Production for Area of Specialization

Develop production assets for 3D animation related final project(s), to a level of completion ready for postproduction (such as compositing). Work with mentors. Meet individual milestones. Complete post production for 3D animation related final project(s). Compile demo reel materials.

Prerequisite: AVFX 405.

Astronomy

ASTR 205-3 (BC=3)

(3-0) 15 weeks

The Modern Universe

Explore the wonders of the Universe using the basic principles of motion and light. Discuss current knowledge of the solar system, stars and galaxies. Discover the night sky using modern astronomical methods.

Biochemistry

BIOC 301-3 (BC=3) **(3-0-0) 15 weeks**

Introductory Biochemistry

Introduction to the fundamental principles of biochemistry with no laboratory component. Study of protein structure and function, lipids and the structure of biological membranes, nucleotides and the structure of nucleic acids, bioenergetics and the metabolism of carbohydrates, lipids and nitrogen, the integration and regulation of cellular metabolism.

Prerequisites: CHEM 211 and 251 or 351.

Anti-requisite: BIOC 393.

Restrictions: Students may only transfer BIOC 301 or BIOC 393 for credit.

BIOC 393-3 (BC=4) **(3-0-3) 15 weeks**

Fundamentals of Biochemistry

Introduction to the fundamental principles of biochemistry with laboratory component. Study of protein structure and function, lipids and the structure of biological membranes, nucleotides and the structure of nucleic acids, bioenergetics and the metabolism of carbohydrates, lipids and nitrogen, the integration and regulation of cellular metabolism.

Prerequisites: CHEM 211 and 251 or 351.

Anti-requisite: BIOC 301.

Biology

(See also Microbiology, Bacteriology, Botany, Genetics, Physiology, and Zoology.)

Note: Not all courses listed may be offered. Check Course Timetable for availability.

BIOL 201-3 (BC=4) **(3-0-3) 15 weeks**

Concepts in Biology

Evaluate characteristics of living organisms. Survey cellular processes, genetic information, heredity, and evolutionary principles. Apply the scientific method including hypothesis, experimental design, data collection and conclusion in a lab setting.

Prerequisite: Biology 30.

BIOL 217-3 (BC=4) **(3-3) 15 weeks**

Introduction to Cell Biology

Survey biological macromolecules, membrane structure and function, cellular structure; bioenergetics and energy flow, respiration and photosynthesis, cell division and the cell cycle, DNA structure and replication, transcription and translation, recombinant DNA and genetic regulation.

Prerequisite: Biology 30 and Chemistry 30.

BIOL 218-3 (BC=4) **(3-0-3) 15 weeks**

Evolutions and Biological Diversity

Examines the major lineage of life on Earth. Overview of evolutionary principles and classification, the history of life, and the key adaptations of prokaryotes, protists, fungi, plants, and animals. Laboratories survey the diversity of biological form and function, and introduce the students to data collection and scientific writing.

Prerequisite: Biology 30.

BIOL 301-3 (BC=3) **(3-0-0) 15 weeks**

Molecular Cell Biology

Examine the properties, structures, and functions of eukaryotic cells at molecular level. Explore methods in molecular cell biology.

Prerequisite: BIOL 217.

Corequisite: CHEM 251 or 351.

BIOL 317-3 (BC=4) **(3-0-3) 15 weeks**

Molecular Genetics and Heredity

Examine the chromosomal and molecular basis for the transmission and function of genes. Study the fundamental principles of heredity, including Mendelian laws, genetic recombination and mapping. Examine the molecular basis of gene structure, organization, expression and regulation in prokaryotes and eukaryotes.

Prerequisite: BIOL 217.

BIOL 318-3 (BC=4) **(3-0-3) 15 weeks**

Principles of Ecology

Examine the interactions between organisms and their environment in various levels of organization including individuals, populations, communities, and ecosystems. Apply the scientific method with a focus on ecological experiments and field studies.

Prerequisite: BIOL 218.

BIOL 350-3 (BC=4) **(3-0-3) 15 weeks**

Survey of the Invertebrates

Examine the systematics, functional anatomy, life cycles, distribution, evolution and importance of major invertebrate taxa. Survey the minor taxa. Study selected topics in invertebrate biology.

Prerequisite: BIOL 218.

BIOL 351-3 (BC=4) **(3-0-3) 15 weeks**

Anatomy of Vertebrates

Compare vertebrate structure and functional significance with an emphasis on mammals. Examine the chordates and the origin of the vertebrates. Survey the vertebrate class and discuss early development and major systems.

Prerequisite: BIOL 218

BIOL 352-3 (BC=3) **(3-0-0) 15 weeks**

Animal Physiology

Examine the physiology of cellular communication in animals with emphasis placed on the role and function of the nervous (including sensory receptors), muscular, endocrine and immune systems.

Prerequisite: BIOL 217.

BIOL 360-3 (BC=4) **(3-0-0) 15 weeks**

Principles of Microbiology

Examine structural, biological, and functional diversity of microbial groups. Explores the application of microorganisms in industries. Introduces basic concepts in medical microbiology. Laboratories employs various microbiology techniques for the culturing, identification (classic and PCR-based), and quantification of microorganisms and applies experimental design, data analysis, and scientific writing.

Prerequisite: BIOL 217 and CHEM 251 or CHEM 351.

BIOL 370-3 (BC=3) **(3-0-0) 15 weeks**

Molecular Genetics

Examine the organization and expression of genetic material in bacteria and viruses based on classic experiments and molecular mechanisms. Topics include: fertility, genetic fine structure, mutagenesis, DNA repair, DNA replication, recombination and the control of gene expression.

Prerequisite: BIOL 317.

BIOL 399-1.5 (BC=2)
(0-0-1.5) 15 weeks**Biology Research Opportunity Program**

A biology research project, supervised by a faculty member in the department, which focuses on the development of skills in research methods through engagement in discussions of scientific research and experience in the research environment.

Prerequisite: BIOL 217 or BIOL 218 and approval of the Department.

Note: This course is credit/no credit.

Note: Application does not guarantee a ROP position.

BIOL 3101-3 (BC=4)
(3-0-2) 15 weeks**Quantitative Biology**

Introduction to the application of analytical and statistical methods for examining data sets and evidence in biology.

Prerequisites: STAT 251, BIOL 217 and BIOL 218 with a minimum letter grade of C- in all.

BIOL 3201-3 (BC=4)
(3-0-3) 15 weeks**Developmental Biology**

Examine the different developmental processes in organisms and their control by various underlying molecular mechanisms. Emphasis will be placed on current applications of developmental biology in health and life-sciences research.

Pre-requisites: BIOL 301 and 317 with a minimum letter grade of C- in both.

BIOL 3301-3 (BC=4)
(3-0-3) 15 weeks**General Botany**

Examine the biology, taxonomy, diversity, evolution, and ecology of plants. Survey the different plant groups through laboratory and field work, data collection, and scientific writing.

Prerequisites: BIOL 217 and BIOL 218 with a minimum letter grade of C- in both.

BIOL 3401-3 (BC=4)
(3-0-3) 15 weeks**Community and Population Ecology**

Explore the principles of community and population ecology, applied to plants and animals.

Prerequisites: BIOL 318 and STAT 251 with a minimum letter grade of C- in both.

BIOL 3411-3 (BC=3)
(3-0-0) 15 weeks**Evolution**

Examine evolutionary processes using evidence from the fossil record and extant organisms with a focus on population genetics, heredity, variation, natural selection, adaptation, and speciation.

Prerequisites: BIOL 217 and BIOL 218 with a minimum letter grade of C- in both.

BIOL 3801-3 (BC=4)
(3-0-3) 15 weeks**Advanced Cell and Molecular Biology**

Examine eukaryotic cells in their microenvironment. Explain nuclear structure, organization, and function at molecular level. Examine principles of immunity at cell and molecular level.

Explore methods in molecular cell biology. Compare and contrast various cell signaling pathways in eukaryotic cells.

Prerequisites: BIOL 301 and 317 with a minimum letter grade of C- in both.

BIOL 4401-3 (BC=3)
(2-0-3) 15 weeks**Field Methods in Ecology**

Explore research projects in behavioural, population, and community ecology in a field environment. Apply data collection techniques in field exercises. Fieldwork will take place over two weeks off the main campus.

Prerequisites: BIOL 318 and 401 with a minimum letter grade of C- in both.

BIOL 4491-3 (BC=3)
(3-0-0) 15 weeks**Topics in Ecology and Environmental Biology**

Examine selected topics in ecology and/or environmental biology. This course may be repeated for credit.

Prerequisite: BIOL 318 with a minimum letter grade of C-.

BIOL 4891-3 (BC=3)
(3-0-0) 15 weeks**Topics in Cell and Molecular Biology**

Examine selected topics in cell and/or molecular biology. This course may be repeated for credit.

Prerequisites: BIOL 301 and 317 with a minimum letter grade of C- in both.

BIOL 4901-3 (BC=3)
(3-0-0) 15 weeks**Research Design**

Apply scientific research design methods in the proposal of a biological research question applicable to a field or laboratory setting in consultation with a faculty advisor.

Prerequisite: BIOL 401 with a minimum letter grade of C-.

BIOL 4902-3 (BC=3)
(0-3-0) 15 weeks**Research Experiment**

Apply scientific research methods to complete a biological research project under the supervision of faculty advisor.

Prerequisites: BIOL 598 and permission of the department.

Business

Note: Not all courses listed may be offered. Check Course Timetable for availability.

BUS 201-3 (BC=3)
(3-0) 15 weeks**Introduction to Business**

This course covers the foundations for future courses in the B.Comm. program including accounting, organization behaviour, finance, information systems and marketing. Cases, group projects and a computerized business game may be used.

BUS 303-3 (BC=3)
(3-0) 15 weeks**Introduction to Organizational Behaviour**

An introduction to the factors that influence human behavior in organizations. Topics include perception, personality, values, group behavior, leadership, politics and power. Students will be encouraged to use this information to better understand themselves and how they make choices in organizations.

Note: Not eligible for challenge.

BUS 305-3 (BC=3)**(3-0) 15 weeks****Organization Theory and Analysis**

Organizational structure and processes. Theoretical models used to analyse and manage organizations. The context of organization theory. Problems and use of classical and modern theory. Organization dynamics.

Prerequisite: BUS 303.

BUS 306-3 (BC=4)**(3-0-1) 15 weeks****Introduction to Business Statistics I**

The use of statistics and probability in business decision making. Methods of collecting, organizing, interpreting, and presenting data. Measures of central tendency and dispersion. Discrete and continuous probability distributions. Standard normal distribution. Sampling and statistical estimation. Testing hypotheses. Correlation and simple linear regression.

Note: Credit will not be granted for both BADM 111 and BUS 306.

BUS 307-3 (BC=4)**(3-0-1) 15 weeks****Introduction to Business Statistics II**

Statistical techniques used in business decision making, analysis of variances, chi-square distribution, non-parametric tests of hypotheses, two sample tests, and multiple regression and correlation analysis.

Prerequisite: BUS 306 or BADM 111.

BUS 310-3 (BC=3)**(3-0) 15 weeks****Introduction to Finance**

Types of securities and basic methods of valuation. Valuation and selection of physical and intellectual assets. Operation of asset markets and market efficiency. Risk measures and risk reduction methods. Financing policy, including choices between debt and equity financing.

Prerequisite: BUS 306.

Corequisite: ACCT 202.

Note: It is strongly recommended that student complete ACCT 202 before registering in BUS 310.

Note: It is recommended that diploma students take FINS 150 prior to BUS 310.

BUS 311-3 (BC=3)**(3-0) 15 weeks****Legal Foundations of the Canadian Economy**

Both the private and public sectors of our economy rest on a structure of legal and social institutions. This course looks at the Canadian legal system with emphasis on the social policy behind the rules, rather than on the rules of law themselves. Includes the nature, sources, philosophy, and policy objectives of the law. Selected topics from the field of tort and contract law.

Business Administration

Note: Not all courses listed may be offered. Check Course Timetable for availability.

BADM 107-2* (BC=2)**(3-1) 15 weeks****Computer Skills for Business**

BADM 107 is designed to provide students with requisite computing skills to succeed in BADM 207 Advanced Microcomputers.

The course consists of three modules; CMPT 071 - Introduction to Computers, CMPT 083 - Word Processing I, and CMPT 086 - Spreadsheet Skills I.

***Non-traditional delivery in course.**

BADM 110-3 (BC=3)**(3-0) 15 weeks****Introduction to Management**

Learn how to manage organizations in an ethical and socially responsible manner to maximize productivity within the constraints of the business environment. Competency modules include the theoretical and applied aspects of planning, organizing, leading and controlling.

BADM 111-3 (BC=4)**(3-0-1) 15 weeks****Introduction to Statistics**

The use of statistics and probability in business decision making. Methods of collecting, organizing, interpreting, and presenting data. Measures of central tendency and dispersion. Discrete and continuous probability distributions. Standard normal distribution. Sampling and statistical estimation. Testing hypotheses. Correlation and simple linear regression.

Note: Credit will not be granted for both BADM 111 and BUS 306.

BADM 132-3 (BC=3)**(3-0) 15 weeks****Introduction to Marketing**

The activities involved in the flow of goods and services from the manufacturer to the consumer. A consumer approach to marketing is stressed. Decisions on product, place, promotion, and pricing. Other related marketing topics and how they are used to develop policies and strategies.

BADM 204-3 (BC=3)**(3-0) 15 weeks****Interpersonal Skills**

Theory and skills of interpersonal relations. Topics include: understanding and improving interpersonal relationships, perception, customer service, negotiation skills, conflict resolution, giving and receiving feedback, presentation skills, coaching and counselling, interviewing skills.

BADM 210-3 (BC=3)**(3-0-0) 15 weeks****Business Technology I**

Provides an introduction to the efficient use of information technology applications that are commonly used in a business environment for numerical analysis, presentations, written communications, and file sharing.

BADM 211-3 (BC=3) (3-0-0) 15 weeks Management Information Systems This course focuses on the role of information technology in an organization and its application to business problems. Techniques for designing, implementing and managing information systems are presented. Topics covered include hardware and software, file management, database organization, networking and telecommunications, systems development and design, flowcharting, system security, backup and recovery, and artificial intelligence. Completion of BADM 210 is recommended, or consent of the Donald School of Business.	BADM 235-3 (BC=4) (3-1) 15 weeks Applied Database Development Expands on the construction of simple database models to those involving more complex designs that deal with the interactions of multiple entities. Focuses on using tools that facilitate the development of user-specific applications on a stable database infrastructure. Complex forms and reports and the usage of scripts using SQL or similar languages will be explored. Prerequisite: BADM 210.	BADM 242-3 (BC=3) (3-0) 15 weeks Marketing Research Methods of defining problems, collecting data, analysing data, and presenting results for marketing problems. Research methods used in all functions of business. Specific areas of market research, including the use of focus groups. Emphasis is on the marketing function of research. Prerequisite: BADM 132.
BADM 232-3 (BC=3) (3-0) 15 weeks Business Technology II Students will research, use and evaluate a variety of current technologies related to business. Through simulations and projects, the students will gain experience in the setup, operation and issues of modern business technology. Prerequisite: BADM 210.	BADM 238-3 (BC=4) (3-1) 15 weeks Electronic Commerce The focus will be on the business strategies and procedures necessary to use the Internet to deliver goods and services Prerequisite: CSYS 100 or BADM 207, or BADM 210, or consent of department.	BADM 243-3 (BC=3) (3-0) 15 weeks Marketing Surveys Marketing survey theory and skills. Research project, including designing and administering a questionnaire and tabulating and evaluating the project. Group and individual work. Prerequisite: BADM 242.
BADM 233-3 (BC=3) (3-0) 15 weeks Web Development This course introduces the students to coding for the web. Students will learn advanced programming in HTML as well as introductory concepts in CGI scripting and XML. Prerequisite: BADM 210.	BADM 240-3 (BC=3) (3-0) 15 weeks Personal Selling The role of selling in the business world. The nature and rewards of selling. Details of the salesperson's job and qualifications. Knowledge and skills needed for successful selling. The sales process. The salesperson's personal, customer, and social responsibilities. Prerequisite: BADM 132.	BADM 247-3 (BC=3) (3-0) 15 weeks Retail Management An introduction to retail management. Topics such as location analysis, pricing, advertising and promotions, store layout and design, competition evaluation, and staff management will be discussed. Prerequisite: BADM 132.
BADM 234-3 (BC=3) (3-0) 15 weeks Web Design Students will learn advanced web design using web authoring tools. Students will be furthering their knowledge of design and web layout by utilizing a variety of multimedia development tools. Prerequisite: BADM 210.	BADM 241-3 (BC=3) (3-0) 15 weeks Marketing Communications Emphasis on the concepts and components of integrated marketing communications (IMC) and the management of strategic and creative components involved in developing effective marketing communication campaigns. Understanding of target audience behavior, communication theories and communication effectiveness concepts will be examined. Prerequisite: BADM 132.	BADM 249-3 (BC=3) (3-0) 15 weeks Events Management Theory and practice of planning, implementing, coordinating, marketing and evaluating various types of events including award ceremonies, convention planning, trade shows, fundraisers, festivals, seminars, and concerts. Prerequisite: BADM 132 or consent of department.

BADM 251-3 (BC=3) (3-0) 15 weeks Entrepreneurship This course develops the tools necessary for both future entrepreneurs and those already active in the business community to compete effectively in the world of commerce. Prospective entrepreneurs will learn how to investigate and evaluate business opportunities, and to acquire the skills and knowledge needed to establish new business ventures, as well as, how to meet the organization's social responsibility to its community. Note: Designed for BADM students. Note: Not open to students in the first year without consent of the department.	BADM 258-3 (BC=3) (3-0-0) 15 weeks Recruitment and Selection Design and implement strategic recruitment and selection initiatives. Analyze and develop job requirements, consider legal issues, and utilize effective hiring and training methods. Corequisite: BADM 281.	BADM 270-3 (BC=3) (3-0) 15 weeks Business Integration Integration of learning from other courses in the Business Administration program and development of strategic thinking. In addition to studying the theory and application of business strategy, students will also run their own companies in a competitive business simulation, analyse the performance of companies and the environment, and make presentations to management. Prerequisite: Completion of all first year Business Administration and/or Financial Services diploma courses. Prerequisite or Corequisite: BADM 260 or BUS 310. Note: Not eligible for challenge or Advanced Standing.
BADM 253-3 (BC=3) (3-0) 15 weeks Project Management Designed to explore the basic elements of project management. This includes planning, scheduling, maintaining progress of the activities that comprise a project. By applying knowledge gained to actual projects, students are able to understand project life cycles, scheduling, planning, control and implementation.	BADM 260-3 (BC=3) (3-0) 15 weeks Introduction to Corporate Finance The role of finance in today's business firms. Cash budgets, financial forecasting and analysis, and sources and uses of funds. Effective management of current assets, working capital, and fixed assets. Capital budgeting and methods of evaluating capital projects, with emphasis on discounted cash flow techniques. Class discussion of relevant case problems. Prerequisite: FINS 150 and ACCT 102/103 or 202, or consent of the Donald School of Business. Note: Designed for second year Business Administration students.	BADM 280-3 (BC=3) (3-0) 15 weeks Labour Relations Labour relations and collective bargaining. Labour legislation, negotiating and administering collective agreements, and settling disputes. Concepts, theories, legislation, history, practices, and current trends and issues in the Canadian industrial relations system. Prerequisite: BADM 281.
BADM 254-3 (BC=3) (3-0-0) 15 weeks Organizational Learning and Development Provides students with the theoretical concepts as well as practical skills for assessing, designing and developing learning initiatives from a broader organizational and strategic perspective. Provides an overview to strategic learning and development, assessment of learning and development interventions, and assessment of individual and organizational performance. Corequisite: BADM 281.	BADM 261-3 (BC=3) (3-0) 15 weeks Financial Management The firm's optimal capital structure. Short-term, intermediate, and long-term sources of capital funds. Leasing, dividend policy, ledgers, and acquisitions. Class discussion of relevant case problems. Prerequisite: BADM 260.	BADM 281-3 (BC=3) (3-0) 15 weeks Human Resource Management An introduction to human resource issues for the employee, supervisor, manager, and human resources staff. Planning, recruitment, selection, compensation, performance appraisal, and labour relations issues will be discussed. Note: Designed for BADM students. Note: Not open to students in the first year without consent of the department.
BADM 256-3 (BC=3) (3-0-0) 15 weeks Compensation and Benefits Provides a comprehensive framework for the development of compensation strategy and compensation systems by organizations. Topics include job evaluation, compensation surveys, performance pay, stock and profit sharing plans, and employee benefits plans. Corequisite: BADM 281.	BADM 262-3 (BC=3) (3-0) 15 weeks Investments Practical and theoretical aspects of investing in marketable securities are explored. Stocks, bonds, and other marketable securities, such as exchange traded funds and mutual funds, will be discussed. In particular the risks and returns from investing will be reviewed within the context of various types of securities markets. Various theories in behavioral finance are also discussed. Prerequisite: ACCT 103 or 202.	BADM 285-3 (BC=3) (3-0) 15 weeks Introduction to Tax Planning Topics covered include corporations, proprietorships, partnerships, taxation of various types of income, and property. The use of tax deferral and tax free structures is reviewed. Self-employment expenses are also covered. Prerequisite: Completion of first year courses in Business Administration Diploma or Financial Services Diploma or consent of the department.

BADM 290-3 (BC=3)**(3-0) 15 weeks****Work Practicum**

This course provides the student with an opportunity to work in a business setting and apply the skills he/she has learned in the Business Administration Program. Students are required to work at least 90 hours (normally unpaid) during the term. The instructor will assist in finding a suitable work placement.

Prerequisite: Completion of the 1st year of the Business Administration Program with a minimum GPA of 2.5.

BADM 320-3 (BC=3)**(3-0) 15 weeks****Selected Topics in Management**

Specialized areas of managerial or entrepreneurial concerns, or both. Functional areas of business, including management, marketing, finance, accounting, and human resources. Course offering and specific topics depend on if an instructor is available.

BADM 321-3 (BC=3)**(3-0) 15 weeks****Selected Topics in Management**

Specialized areas of managerial or entrepreneurial concerns, or both. Functional areas of business, including management, marketing, finance, accounting, and human resources. Course offering and specific topics depend on if an instructor is available.

BADM 327-1* (BC=1)**(2-1) 5 weeks****Quantitative Methods Module For Accountants**

Selected Management Science and statistical topics for Accountants. Topics include linear programming, statistical decision theory, time series and index numbers.

Prerequisite: BUS 306 or BADM 111 or consent of the department.

*The successful completion of both BADM 327 and BUS 307 will enable students to obtain transfer credit for CGA's Quantitative Methods I.

Chemistry

Note: You must have a lab coat and safety glasses to take part in chemistry labs.

You can buy these items at the College Bookstore. Please note that contact lenses are not permitted in the labs.

Note: Not all courses listed may be offered. Check Course Timetable for availability.

CHEM 203-3 (BC=4)**(3-1S-3/2) 15 weeks****Introductory University Chemistry I**

The first introductory-level chemistry course that focusses on the foundations of atomic properties and chemical reactions. Topics include: stoichiometry, reactions and titrations, ideal gases, atomic structure and bonding, chemical equilibrium, and acids and bases.

Prerequisite: Chem 30 or equivalent, Math 30-1.

Corequisite: MATH 202 (203 or 212).

Note: For Engineering students.

CHEM 205-3 (BC=4)**(3-1S-3/2) 15 weeks****Introductory University Chemistry II**

The second introductory-level chemistry course that further expands upon the foundations of various chemical reactions and systems by discussing their equilibrium and reaction rates. Topics include: buffers, titration curves, solubility and complex ion equilibria, thermodynamics and thermochemistry, chemical kinetics, and electrochemistry.

Prerequisite: CHEM 203.

Corequisite: MATH 204 or 213.

Note: For Engineering students only.

CHEM 211-3 (BC=4)**(3-1-3) 15 weeks****General Chemistry I**

Introduction to the discipline and essential concepts of chemistry focusing on stoichiometry, reactions and titrations, ideal gases, atomic structure and bonding, chemical equilibrium, and acids and bases.

Prerequisite: Chem 30 and Math 30-1.

CHEM 212-3 (BC=4)**(3-1-3) 15 weeks****General Chemistry II**

Continued introduction to the discipline and essential concepts of chemistry focusing on buffers, titration curves, solubility and complex ion equilibria, thermodynamics and thermochemistry, chemical kinetics, and electrochemistry.

Prerequisite: Chem 211.

CHEM 311-3 (BC=4)**(3-0-4) 15 weeks****Quantitative Analysis I**

Apply experimental principles and methods focusing on solution equilibria, titrimetry, volumetric laboratory skills, evaluation of experimental data, and the use of organic and inorganic analysis.

Prerequisite: CHEM 212.

CHEM 313-3 (BC=4)**(3-0-4) 15 weeks****Quantitative Analysis II**

Apply experimental principles and methods focusing on separation techniques, atomic and molecular spectrometry, electrochemistry, evaluation of experimental data, and the use of organic and inorganic analysis.

Prerequisite: CHEM 311.

CHEM 351-3 (BC=4)**(3-1-3) 15 weeks****Organic Chemistry I**

An introduction to the chemistry of carbon compounds focusing on the molecular structure, nomenclature, reactions, reaction mechanisms and stereochemistry of hydrocarbons, and some functional groups including haloalkanes, alcohols, thiols, ethers and epoxides. Introduction to the use of important organic compounds related to industry, agriculture and everyday purposes.

Prerequisite: CHEM 211 or CHEM 102.

Anti-requisite: Chem 251.

CHEM 352-3 (BC=4)**(3-1-3) 15 weeks****Organic Chemistry II**

Examination of nomenclature, physical properties, stereochemistry, synthesis and reaction of aldehydes ketones, carboxylic acids and derivatives, carbohydrates, amino acids, proteins and amines. Study of the chemistry of biomolecules. Use of spectroscopic tools. Exploration of the industrial, environmental and biological implications.

Prerequisite: CHEM 251 or CHEM 351.

Classics

CLAS 209-3 (BC=3)**(3-0) 15 weeks****Ancient Greece and Rome**

For description, see under HISTORY courses.

CLAS 320-3 (BC=3)**(3-0) 15 weeks****Roman History**

For description, see under HISTORY courses.

Communications

Students may take a College placement test before registering in a 200-level written communications course. (Students with 60% or greater in English 30 or ELA 30-1 will be exempted from this test). Students who do not achieve a satisfactory mark in this test will be required to complete COMM 150 before they can register in the required 200-level course. Students should take the placement test early in the event preparatory work (COMM 150) is required.

Course Equivalencies

For program completion requirements at RDC, COMM 250, 252, 254, and 256 are equivalent to each other. These courses, though equivalent at RDC, may not transfer to other institutions in the same way. Please see an academic advisor for more information on specific transferability of all COMM courses.

COMM 150-3 (BC=3)**(3-0-0) 15 weeks****College and Workplace Writing**

Practice fundamental writing skills with an emphasis on grammar, basic business correspondence, and short reports for business or college. COMM 150 is accepted as a prerequisite for COMM 250.

COMM 210-3 (BC=3)**(3-0-0) 15 Weeks****Communication for Creative Arts**

Learn to prepare effective professional communication in the creative arts. Focus on mechanics, style, tone, and organization of messages, including reviews of current media, employment documents, social media profiles, and oral presentations.

COMM 250-3 (BC=3)**(3-0-0) 15 weeks****Business and Workplace Writing**

Learn theory and practice of writing for business and workplace environments. Emphasis on mechanics, style, tone and organization of communications, including research reports, memos, letters, business proposals and resumes.

Prerequisite: Placement Criteria must be met.

COMM 271-3 (BC=3)**(3-0-1) 15 weeks****Introduction to Communication Theory**

Examine key theoretical areas within Communication Studies, with focus on how communication can serve as an agent of social and cultural change. Major topics include rhetoric, language, mass media, cultural studies, interpersonal and oral communication, and organizational communication.

Prerequisite: ELA 30-1 or equivalent, or enrollment in MSPC program.

COMM 313-3 (BC=3)**(3-0-0) 15 weeks****Communication Research Methods**

Examine academic and practical communication research methods. Practice basic application of various qualitative and quantitative methods. Explore the connections between research methods and theoretical approaches of communication and knowledge production. Consider the ethical implications research methods.

COMM 321-3 (BC=3)**(3-0-0) 15 weeks****Special Topics in Communications**

Focus on trends, theory, and/or the practice of communications and media studies. Topics will vary. Sample topics might include organizational communication, risk communication, health communication.

COMM 341-3 (BC=3)**(3-0-0) 15 weeks****New Media and Society**

Study the implications of new media for everyday life and broader social, cultural, political, and economic change using various theories. Discuss the historical, ethical and legal implications of new media. Explore concepts of participatory culture, creative industries, surveillance, and governance.

Pre-requisite: ELA 30-1 or equivalent, or enrollment in MSPC program.

COMM 363-3 (BC=3)**(3-0-0) 15 weeks****Professional and Technical Communication**

Learn the best practices of professional and technical communication, using various written media. Examine how organizational culture and audience expectations shape communication in workplace contexts. Plan, prepare and deliver professional and technical information in support of an organization's communications goals.

COMM 369-3 (BC=3)**(3-0-0) 15 weeks****Classical Persuasion**

Understand how the ideas of Aristotle and other theorists apply to communication work and the media by learning effective persuasion, audience and situational analysis, rhetorical theory, and ethics. Discuss current events; apply classic techniques to improve written and oral arguments; and, critically evaluate texts like news articles, videos, and essays.

Prerequisite: COMM 271

COMM 371-3 (BC=3)
(3-0-0) 15 weeks**Critical Media Studies**

Analyze everyday media like advertising, television, film, videogames, and magazines. Use interpretative tools such as psychoanalysis, Marxism, gender and queer theory to learn how media changes lives, what makes a book or TV show a success, what forces affect the images, and what makes Canadian media unique.

Prerequisite: COMM 271

COMM 375-3 (BC=3)
(3-0-0) 15 weeks**Mass Communication in Canada**

Examine the role of mass media in Canadian society including television, film, music, print, and new technologies. Focus on the historical development, policies, financial issues, and audience reception of media in Canada. Consider Canadian mass media in a global context and in relation to the United States.

Prerequisite: ELA 30-1 or equivalent, or enrollment in MSPC program.

COMM 381-3 (BC=3)
(3-0-0) 15 weeks**Communication History**

Examine the development of major communication systems throughout history and the social contexts in which they emerged. Learn about technological advancements and apply theory to understand how these advancements have shaped and reflected social organization and everyday life.

Prerequisite: ELA 30-1 or equivalent, or enrollment in MSPC program.

COMM 383-3 (BC=3)
(3-0-0) 15 weeks**Introduction to Public Relations**

Examine the theory and practice of public relations, focusing on the Canadian context. Consider the history and development of public relations and various professional roles in public relations. Explore key public relations tools and tactics, such as social media, traditional media, digital communications, news releases, and other written documents, releases, backgrounders, press kits, PR plans and speeches.

Prerequisite: ELA 30-1 or equivalent, or enrollment in MSPC program

COMM 2001-3 (BC=3)
(3-0-0) 15 weeks**Intercultural Competency and Communication**

Recognize cultural differences, according to theoretical dimensions of culture, and progress through stages of intercultural competence. Develop awareness, knowledge, and sensitivity in relation to cultural biases, stereotypes and other adversities. Evaluate impact of cultural diversity. Demonstrate strategies for effective communication across cultures.

Computing Science

Note: Not all courses listed may be offered. Check Course Timetable for availability.

CMPT 201-3 (BC=4)
(3-3) 15 weeks**Introduction to Programming**

Introduction to the theory and application of computer programming. Explore programming languages, algorithms, and logic in a lab and class setting.

CMPT 214-3 (BC=4)
(3-3) 15 weeks**Introduction to Computing Science**

Computer architecture, operations and data storage. Machine language and assembler programming. Scientific applications and systems programming in C++. Functions parameter passing and recursion. The programming will progress from the structured perspective to the object oriented paradigm.

Prerequisite: Math 30 (Pure).
Corequisite: MATH 202 or 203.

CMPT 215-3 (BC=4)
(3-3) 15 weeks**Elementary Data Structures**

Using a high level language to present and manipulate data structures. Strings, arrays, and linked lists. Stacks, queues, and trees. Uses of data structures.

Prerequisite: CMPT 214 or 351 and consent of the Department.

CMPT 261-3 (BC=3)
(3-0-3) 15 weeks**Introduction to Computing**

Introduction to computers and practical application of software. This course will provide a comprehensive foundation of computer literacy in support of university-level study.

Creation

CREA 105-3 (BC=2)
(1-0-2) 15 Weeks**Creative Core**

An introduction to the School of Creative Arts, Red Deer College, and the City of Red Deer and Area through exploration, interaction, and dissemination of knowledge.

CREA 110-3 (BC=3)
(3-0-0) 15 Weeks**Storytelling I**

Analyze how fictional stories and narratives work in a variety of media. Learn story basics through an introduction to archetypal stories and myth, basic structure and arcs, and examine different aspects of plot and character. Examine how different media and interfaces influence the ways in which stories are told.

Prerequisite: Comm 210

Dance

See listings under "Kinesiology & Sports Studies," page 49.

Drama

DRAM 201-3 (BC=3)
(3-0) 15 weeks**Play Analysis**

Understanding drama through critical analysis of plays. Using analysis for creative solutions in play productions.

DRAM 202-3 (BC=3)
(3-0) 15 weeks**Introduction to Theatre Art**

The origins and development of theatre art. Introduction to theatre history and theatre aesthetics.

DRAM 203-3 (BC=3) (3-0) 15 weeks Introduction to Dramatic Movement Releasing, developing, and expanding physical resources basic to movement in acting. Developing body awareness.	DRAM 350-3 (BC=4) (3-3) 15 weeks Introduction to Acting The process of acting and dramatic form through dramatic improvisation. Formerly DRAM 251.	ELCC 206-3 (BC=3) (3-0-0) 15 weeks Introduction to Special Needs Explore development of children with special needs from prenatal to age 12, focusing on various types of exceptionalities. The course includes attitudes, trends, issues, and strategies employed when caring for children with special needs.
DRAM 204-1 (BC=1) (2-1) 15 weeks Singing for the Stage Developing the voice through choral singing and coaching. Vocal range, technique, and musicality. Note: Open to Theatre Studies Acting students only.	DRAM 353-3 (BC=3) (1-5) 15 weeks Scene Study I The study of acting, including analyzing and enacting scripted scenes and characterization. Prerequisite: DRAM 249 or 350 or 321 or consent of the Department.	ELCC 210-4 (BC=4) (4-0-0) 15 weeks Practicum I This practicum provides students with the opportunity to interact in an early learning setting while practicing and developing observational skills. Students demonstrate professional attitudes and dispositions through the integration of course theories into practice, capturing this integration in their documentation. Prerequisite: Completion or enrolment in 4th ELCC certificate course.
DRAM 249-3 (BC=3) (1-5) 15 weeks Introduction to Dramatic Process Improvising speech and movement, with emphasis on imaginative development. The process of acting and dramatic form. Developing communication skills. Not accepted for credit in the Theatre Studies Program. Not available to students with credit in DRAM 350.	DRAM 383-3 (BC=4) (3-3) 15 weeks Introduction to Directing Fundamentals of directing through practical exercises. Prerequisite: DRAM 353 or THTR 141 and consent of the Department.	ELCC 211-3 (BC=3) (3-0-0) 15 weeks Child Development Focus on human development and learning essential to working with children (ages 0-12). Apply theory to educational practice to provide appropriate learning opportunities that support diverse children's educational, physical, cognitive, social, cultural, moral, and psychological development. Observe and document child development.
DRAM 301-1 (BC=1) (0-3) Production Workshop I Student initiated project work involving theatre production or theatre related research. Note: Open to all students, subject to approval of the Theatre Studies Department.	DRAM 483-2 (BC=2) (0-6) 15 weeks Advanced Directing Develop the director's creative use of the elements of directing. Prerequisite: DRAM 383.	ELCC 212-3 (BC=3) (3-0-0) 15 weeks Play and Documentation Introductory planning course for ages 0-12 years focusing on play theories and issues across all program types. Emphasis on time, materials, and the role of play in children's learning, care, and development. Observation and documentation skills to support emergent planning.
DRAM 321-3 (BC=3) (1-3) 15 weeks Creative Drama Use of dramatic technique in a variety of group projects to develop self-expression. This course will serve leaders and teachers at all levels. Former experience in theatre is not required.	<h2 data-bbox="554 1149 970 1249">Early Learning and Child Care</h2> <p data-bbox="554 1270 970 1451">(These courses are intended for Early Childhood Development students, but can be taken by other students with consent of the Associate Dean). With the exception of practicum courses, all ELCC courses can be taken in any sequence.</p>	ELCC 213-3 (BC=3) (3-0-0) 15 weeks Interpersonal Relations An introduction to self-understanding and self-acceptance as the basis of a professional's ability to understand and value others. Gain knowledge of how communication strategies and skills influence practice.
DRAM 347-3 (BC=3) (2-2.5) 15 weeks Introduction to Oral Communication Freeing the natural voice. Developing body awareness related to the voice: breathing, resonance, projection, articulation, and range. Exploring basic techniques of oral communication and interpretation, drawing from various forms of literature.	ELCC 201-3 (BC=3) (3-0-0) 15 weeks Foundations of Early Learning & Child Care Introduction to the characteristics and roles of Early Learning and Child Care professionals in various program settings. Emphasis on regulations and current issues on quality child care as well as health, nutrition, and safety information and implications for practice. Anti-bias curriculum, relationships with families, and child maltreatment are explored.	

COURSE DESCRIPTIONS

<p>ELCC 215-3 (BC=3) (3-0-0) 15 weeks Literacies and Dramatic Play A focus on emergent literacy and dramatic play. Identification of quality literature and fostering language development in children. Planning and providing dramatic play experiences and story sharing strategies.</p>		<p>ELCC 309-3 (BC=3) (3-0-0) 15 weeks Indigenous Ways in ELCC This course will examine indigenous ways of knowing, doing and being based upon Indigenous worldviews, perspectives and practices historically, traditionally and contemporarily. Focus on strengthening relationships, deepening knowledge and enhancing skills for learning, caring and working in partnership with Indigenous children, families and communities. Prerequisite: Completed ELCC Certificate requirement.</p>	<p>ELCC 320-5 (BC=5) (5-0-0) 15 weeks Practicum IV This practicum provides the opportunity for practical experience designing and implementing learning environments for young children in a diverse range of community programs, extending the objectives of first year practicums. Students compose a personal philosophy of the ELCC profession and its application into intentional and reflective professional practice. Prerequisite: Completed ELCC Certificate, ELCC 310 and completion or enrolment in 8th ELCC diploma course.</p>
<p>ELCC 217-3 (BC=3) (3-0-0) 15 weeks Guiding Behavior Practical information and application of appropriate guidance strategies to help develop children's social-emotional behavior. Develop collaborative relationships with families.</p>		<p>ELCC 310-5 (BC=5) (5-0-0) 15 weeks Practicum III Practical experience with young children in a diverse range of community programs, extending the objectives of first year practicums. Part time students must complete ELCC 310 between the fourth and seventh courses. Consent of the Associate Dean is required for atypical registration requests. Prerequisite: Early Learning and Child Care Certificate or consent of Associate Dean. Note: This course will be evaluated using a credit (pass)/ non-credit (fail) grading system.</p>	<p>ELCC 321-3 (BC=3) (3-0-0) 15 weeks Family Studies Focus on the family as a social system and the influence of family on a child. Various family forms, and the specific organization, functions, dynamics, and influences on individual family members are discussed. Specific attention is given to the intersection of family experiences and stressors. Prerequisite: Completed ELCC Certificate requirements.</p>
<p>ELCC 218-3 (BC=3) (3-0-0) 15 weeks Responsive Experiences Planning for a variety of responsive play experiences including construction, manipulatives, physical play, music, and outdoor play.</p>		<p>ELCC 315-3 (BC=3) (3-0-0) 15 weeks Program Administration Application of leadership and mentorship practices in Early Learning and Child Care programs. Exploration of administrative roles, human resources, policies, regulations and advocacy. Professionalism will be explored through self-awareness, self-evaluation, and reflective practice. Prerequisite: Completed ELCC Certificate requirements.</p>	<p>ELCC 323-3 (BC=3) (3-0-0) 15 weeks Responsive STEM Environments Exploring early learning and care philosophies and frameworks. Planning for holistic, responsive environments with a focus on math, science and numeracy. Strategies for family and community involvement and partnerships. Skills for assessing programs and pedagogical documentation are expanded. Prerequisite: Completed ELCC Certificate requirements.</p>
<p>ELCC 220-4 (BC=4) (4-0-0) 15 weeks Practicum II This practicum provides students with the opportunity to interact in an early learning setting emphasizing programming for and responding to children based on observations of children's needs and interests. Students demonstrate how foundational knowledge informs their daily practice, capturing this bridging in their documentation. Prerequisite: ELCC 210 and completion or enrolment in 8th ELCC certificate course.</p>		<p>ELCC 317-3 (BC=3) (3-0-0) 15 weeks Creative Play Perspectives Expanding experiences in creativity, the arts, music, and creative movement in early childhood. Examination of emergent literacy approaches and the qualities of responsive environments as learning, care, play, and development are considered. Prerequisite: Completed ELCC Certificate requirements.</p>	<p>ELCC 325-3 (BC=3) (3-0-0) 15 weeks Designing for Special Needs Learning and care of children with special needs in quality environments. Exploration of inclusion, considerations in the provision of care for children with special needs, and strategies to help children reach their potential. Emphasis on collaboration with families and other professionals in responsive care. Prerequisite: Completed ELCC Certificate requirements.</p>
<p>ELCC 305-3 (BC=3) (3-0-0) 15 weeks School-Age Care Studies Focus on children ages six through 12 years. Regulations and administration of school age care programs while providing quality experiences that are responsive to learning, play, care, and development. Comprehensive program planning for middle childhood.</p>			
<p>ELCC 308-3 (BC=3) (3-0-0) 15 weeks Family Support The nature of family support work. Early intervention for at-risk families. Strategies and techniques for supporting families. Establishing helping relationships.</p>			

ELCC 327-3 (BC=3)**(3-0-0) 15 weeks****Infant and Toddler Studies**

Focus on prenatal to 36 month development including attachment theory, brain, and language development. Influences that impact development are explored. Comprehensive program planning for infant and toddlers is addressed based on child's unique characteristics.

ELCC 329-3 (BC=3)**(3-0-0) 15 weeks****Trauma Sensitive Practices**

Develop practices grounded in relationships that examine the fundamentals of trauma-sensitive practices, the nature of and responses to trauma experiences. Develop awareness of diverse interpretations of these experiences and the power of resilience to influence learner success. Exploration of self-reflection, self-care, and affect management while considering scope of practice.

Prerequisite: Completed ELCC Certificate requirements.

Earth and Atmospheric Sciences

EAAS 201-3 (BC=4)**(3-0-3) 15 weeks****Planet Earth**

An introduction to the origin and evolution of the Earth in terms of its major systems: rock materials, atmosphere/climate, hydrology, oceans, ice, life and human interactions

Economics

Note : Not all courses listed may be offered. Check Course Timetable for availability.

ECON 100-3 (BC=3)**(3-0) 15 weeks****Introduction to Business****Microeconomics**

Terminology, concepts, theory, methods, and limitations of current microeconomic analysis. Analyzing and understanding economics as it relates to individuals and businesses. How political, social, and market forces determine and affect the Canadian economy. Credit will not be granted for both ECON 100 and 201.

ECON 101-3 (BC=3)**(3-0) 15 weeks****Introduction to Business Macroeconomics**

Terminology, concepts, and theory used to understand, analyse, and evaluate the overall performance of an economy. Defining and using economic indicators. Canadian banking system. Inflation and unemployment. Monetary and fiscal policy. Foreign control. Economic growth. International trade.

Credit will not be granted for both ECON 101 and 202.

ECON 201-3 (BC=3)**(3-0-0) 15 weeks****Introduction to Microeconomics**

Examine scarcity and choice, specialization, markets, and exchange. Analyze supply and demand. Examine roles of consumers, firms and resource owners in competitive and monopolistic markets. Consider international trade, government intervention, Emphasis is on Canadian problems, issues, policies, and institutions.

Antirequisite: ECON 100.

ECON 202-3 (BC=3)**(3-0-0) 15 weeks****Introduction to Macroeconomics**

Measure aggregate economic variables. Analyze national income and monetary theory. Examine monetary and fiscal policies. Analyze unemployment and inflation, exchange rates and balance of payment. Emphasis is on the Canadian economy.

Prerequisite: ECON 201.

Antirequisite: ECON 101.

ECON 311-3 (BC=3)**(3-0-0) 15 weeks****Economic Issues in the World**

Discover how economic theories shed light on current issues and problems in Canadian society and the larger world. Introduce tools to analyze contemporary issues through the lens of economic thinking and explore how economic theories can tie to creating, exacerbating, resolving, and solving social and public policy issues.

ECON 323-3 (BC=3)**(3-0-0) 15 weeks****International Economics**

Examine international trade theories and policies. Analyze gains from exchange and specialization, international factor movements, theory of tariff and non-tariff barriers, exchange rates, balance of payments, and international debt.

Prerequisite: ECON 201 and 202.

ECON 325-3 (BC=3)**(3-0-0) 15 weeks****International Trade**

This course examines international trade theory, policy and applications. Topics include a brief history of trade, absolute and comparative advantage basis for trade, the Heckscher-Ohlin theory, trade with economies of scale, tariffs, non-tariff trade barriers, political economy of non-tariff barriers, strategic trade policies, trade agreements, role of the World Trade Organization (WTO) and developing economies' trade policies. The course emphasizes current applications, policy development, as well as the institutional framework underlying the interaction between nations.

Prerequisite: ECON 100 and 101 or ECON 201 and 202 or consent of the Donald School of Business.

Note: Not to be taken if credit received in ECON 323.

ECON 327-3 (BC=3)
(3-0-0) 15 weeks**International Money and Finance**

This course examines international monetary theory, policy and applications. Topics include: balance of payments, the role of money and relative interest rates, exchange rate models/regimes and their effect on price levels and output, international investment and global capital markets, currency crises, the international financial architecture, including the role of the World Bank and the International Monetary Fund (IMF). This course emphasizes current applications, policy development, as well as the institutional framework underlying the interaction between nations.

Prerequisite: ECON 100 and 101 or ECON 201 and 202 or consent of the Donald School of Business.

Note: Not to be taken if credit received in ECON 323.

ECON 329-3 (BC=3)
(3-0-0) 15 weeks**Economics of the Public Sector**

This course examines the institutions behind, and the economic rationale for, Canadian government policy relating to public expenditures and taxation. Topics include public goods; externalities; public expenditure theory and policy; tax and user price theory and policy; and social welfare and social insurance.

Prerequisite: ECON 100 and 101 or ECON 201 and 202 or consent of the Donald School of Business.

ECON 331-3 (BC=3)
(3-0-0) 15 weeks**Labour Economics**

Analyze the labour market using microeconomic principles. Examine the relevant theory, empirical evidence and policy issues, labour supply and labour demand. Analyze the determination of equilibrium wages and employment levels in both competitive and non-competitive labour markets, wage differentials, unions, and discrimination. Emphasis is on the Canadian economy.

Prerequisite: ECON 201.

ECON 337-3 (BC=3)
(3-0-0) 15 weeks**Development Economics**

Analyze the economic development process in developing nations including explanations for the underdevelopment. Examine issues and policies on poverty, employment, income distribution, population growth, human capital, savings and investment, trade, foreign aid, and the role of markets and governments.

Prerequisite: ECON 100 & ECON 101 or ECON 201 & ECON 202 Or consent of the department.

ECON 341-3 (BC=3)
(3-0-0) 15 weeks**Money and Banking**

Analyze nature and functions of money, money creation process. Examine financial markets and financial intermediation, industrial structure and regulation in Canadian banking. Analyze monetary theory, central banking and monetary policy, and international finance.

Prerequisite: ECON 100 & ECON 101 OR ECON 201 & ECON 202 or consent of the department.

ECON 355-3 (BC=3)
(3-0-0) 15 weeks**Sports Economics**

Analyze economics of sports, with emphasis on professional team sports. Examine demand for sports, the economic structure of leagues, winning and profitability, franchise values, pay and performance, free agency, arbitration, and discrimination. Analyze policy issues such as competition law and government subsidies.

Prerequisite: ECON 201.

ECON 373-3 (BC=3)
(3-0-0) 15 weeks**Industrial Organization**

Examine theory of industrial organization economics, based on the analysis of market structure, conduct, and performance. Analyze aspects of Canadian industry and competition policy, and market structure. Examine the meaning and measurement of monopoly power, competition, product differentiation, economics of scale, oligopoly, collusion, advertising and organization of the firm.

Prerequisite: ECON 201.

ECON 381-3 (BC=4)
(3-0-1) 15 weeks**Intermediate Microeconomics**

Examine economic decision making of consumers and businesses through analysis of consumer behaviour theory and theory of production and pricing strategies. Determine impact of these decisions in external environments and various market structures.

Prerequisite: Math 30-1 and ECON 201.

ECON 382-3 (BC=4)
(3-0-1) 15 weeks**Intermediate Macroeconomics**

Analyze the determination of income, employment prices, interest rates, exchange rates and balance of payments. Examine the impact of supply shocks, fiscal policy and monetary policy.

Prerequisite: ECON 201 & ECON 202 or ECON 100 & 101 and MATH 30-1 or equivalent.

Education

(These courses are intended for Education students.)

EDCM 341-3 (BC=3)
(3-0) 15 weeks**Communication in the Classroom**

By focusing on your interpersonal skills, this course examines communication in the classroom. Students will practice and improve these skills through presentations, small group work, role playing, and communication exercises.

EDFN 341-3 (BC=3)
(3-0) 15 weeks**Concepts of Childhood in the History of Education**

A study of those views of childhood which have exerted a significant influence on educational theory and practice from antiquity to today.

EDFX 203-3 (BC=4) (45 hours lecture, 60 hours fieldwork) 15 weeks Education Field Experience An introduction to the profession of teaching through observation and interaction with professional teachers and students. Learn educational topics and discuss field experiences. Course grading is credit/no credit requiring students to plan and schedule up to 6 hours per week in local schools in addition to attending the in-class seminar. Note: Credit cannot be received for EDFX 203 and EDUC 250.	(3-0) 15 weeks Adolescent Development and Learning Application of developmental theory to educational practices through examination of biological and cognitive changes, their influence on social roles, individual differences, current problems, and supports for resiliency. Students reflect on how adolescent development impacts them as teachers. This course is for students intending to work with adolescents (ages 11-17). Note: Credit cannot be received for both EDPY 307 and EDPY 200.	EDUC 320-3 (BC=3) (3-0) 15 weeks Media, Culture, and Curriculum Principles, perspectives, and practices for future teachers. Implications for childhood and adolescence, literacy, learning, critical thinking, creativity, gender, identity, and politics. Prerequisites: One of EDCM 341, EDFN 341, EDFX 203, EDIT 302, EDPY 200, EDUC 250, FAM 322, or FAM 315.
EDIT 302-3 (BC=4) (3-3) 15 weeks Introduction to Educational Technology Examine frameworks, trends, issues and futuristic scenarios regarding the role of technology in education. Gain hands-on experience using technology with emphasis on strategies to integrate technology into the curriculum.	EDUC 250-3 (BC=3) (3-0) 15 weeks The Contexts of Education Introduction to education with an emphasis on exploring being a teacher in contemporary society through different contexts and perspectives: historical, sociological, philosophical, Indigenous, political, and ethical. Recommend completion within first year of the program. Note: Credit cannot be received for both EDFX 203 and EDUC 250.	EDUC 1301-3 (BC=3) (3-0-0) 15 weeks Interpersonal Relationships Develop effective skills that support positive interpersonal relationships and increase awareness of self and individual communication behaviours. Adapt oral and written communication to suit a variety of situations.
EDPY 200-3 (BC=3) (3-0) 15 weeks Educational Psychology This course deals with the teaching-learning process and student behaviour. It includes theory, research, and illustrations all dealing with classroom applications of psychological principles. Topics will include the development of the student in the cognitive, moral, gender, psycho-social, and sexual domains theories of cognition learning, and motivation.	EDUC 251-3 (BC=3) (3-0) 15 weeks Aboriginal Education and the Context of Professional Engagement Pre-service teachers will continue to develop knowledge of Aboriginal peoples' histories, educational experiences, knowledge systems, ways of knowing and being and will further understand the implications of this knowledge to professional roles and obligations for teachers. Students will engage in learning processes of self-and-other awareness supported by Aboriginal educators, faculty and elders. Prerequisite: EDUC 250. Note: This prerequisite does not apply to Elementary and Secondary After Degree students.	EDUC 1302-3 (BC=3) (3-0-1) 15 weeks Educational Technology Examine frameworks, trends, issues, and futuristic scenarios regarding the role of technology in education. Gain hands-on-experience using technology with emphasis on strategies to integrate it into the curriculum. Antirequisites: EDPY 302 and EDIT 302.
EDPY 305-3 (BC=3) (3-0) 15 weeks Childhood Development and Learning Application of theory to educational practice and how teachers can provide appropriate learning opportunities that support diverse children's educational, physical, cognitive, social, cultural, moral, and psychological development. Topics will include human development and learning. This course would be of interest to students intending to work with children (ages 0-12). Note: Credit cannot be received for both EDPY 305 and EDPY 200.	EDUC 310-3 (BC=3) (3-0) 15 weeks Introduction to Curriculum Studies Field of inquiry unique to Education. Considers mandated programs of study, theories, practices, and implications of teaching and learning. Prerequisites: One of EDCM 341, EDFN 341, EDFX 203, EDIT 302, EDPY 200, EDUC 250, FAM 322 or FAM 315.	EDUC 1304-3 (BC=3) (3-0-0) 15 weeks Inclusive Learning Environments Explore a variety of theoretical frameworks and strategies that establish, promote, and sustain inclusive learning environments.
EDPY 307-3 (BC=3)		EDUC 1305-3 (BC=3) (3-0-0) 15 weeks Child Development Focus on human development and learning essential to working with children (ages 0-18). Apply theory to educational practice to provide appropriate learning opportunities that support diverse children's educational, physical, cognitive, social, cultural, moral, and psychological development. Antirequisite: EDPY 305.

EDUC 1500-3 (BC=4)
(3-0-2) 15 weeks
The Teaching Profession

Introduction to education and learning with an emphasis on exploring teaching in contemporary society through different contexts and perspectives. Apply strategies and skills to support student learning through authentic experience in K-12 learning environments.

Antirequisite: EDFX 203 and EDUC 250.

EDUC 2311-3 (BC=3)
(3-0-0) 15 weeks
Indigenous Ways

Examine Indigenous ways of knowing, doing and being, founded upon Indigenous worldviews and perspectives historically, traditionally and, contemporarily. Topics include orality and Indigenous language, governance and lifeways, Indigenous intellectual and cultural traditions, identity and well-being, and lived realities in social, political, economic and environmental contexts in Alberta.

EDUC 2500-3 (BC=4)
(3-0-2) 15 weeks
Social Equity and Inclusion

Understand the role of a teacher, and the complexities of leading an inclusive environment, where diversity is embraced and every student is welcomed, cared for, respected, and safe.

Prerequisite: EDFD 1002 and EDPR 1004.

EDUC 2801-3 (BC=3)
(3-0-0) 15 weeks
English Language Education

Examine the Alberta English Language Arts Program of Study with a focus on developing reading, writing, and oral language skills. Through a critical examination of research-based instructional strategies, students develop the knowledge and skills necessary to effectively plan, assess, and teach English language arts in inclusive learning environments.

EDUC 2802-3 (BC=3)
(3-0-0) 15 weeks
Mathematics Education

Examine the Alberta Mathematics Program of Study with a focus on developing high impact learning experiences and numeracy skills. Through a critical exploration of research-based instructional strategies, students develop the knowledge and skills necessary to effectively plan, assess, and teach mathematics in inclusive learning environments.

EDUC 2803-3 (BC=3)
(3-0-0) 15 weeks
Language Learning and Literacy

Evaluate resources, strategies, and current research, to build an understanding of how early literacy skills are developed and supported in an inclusive classroom

EDUC 2804-3 (BC=3)
(3-0-0) 15 weeks
Numeracy

Evaluate resources, strategies and current research, to build an understanding of how numeracy skills are developed and supported in an inclusive classroom environment.

Educational Assistant

Note: Not all courses listed may be offered. Check Course Timetable for availability.

EDAS 111-3 (BC=3)
(3-0) 15 weeks
Role of the Assistant

Clarification of the roles of the teacher and the educational assistant. Topics include code of conduct, job descriptions, tasks, Alberta Teachers' Association policies, classroom management techniques and positive school climate.

EDAS 114-3 (BC=3)
(140 hours) 4 full weeks
Field Experience

Working as an educational assistant for four weeks. Includes a seminar component. Scheduled after all coursework is complete. This course may satisfy requirements for ELCC 210.

Prerequisite: All courses except the EDAS option(s) must be successfully completed before taking EDAS 114.

EDAS 116-3 (BC=3)
(3-0) 15 weeks
Human Relations

Developing and increasing your understanding of self and others. Interpersonal skills required in supportive roles as a paraprofessional. This course will satisfy requirements for ELCC 213.

EDAS 151-3 (BC=3)
(3-0) 15 weeks
Trends in Inclusive Practice

Attitudes toward and services provided to persons with disabilities throughout history. Current trends and issues in inclusive education. Laws relating to persons with disabilities in the U.S., Canada, and Alberta in particular.

EDAS 152-3 (BC=3)
(3-0-0) 15 weeks
Physical and Emotional Support

Examine diverse physical and behaviour needs, including medical and psychological diagnoses. Explore and apply strategies to support learners in educational settings.

EDAS 153-3 (BC=3)
(3-0) 15 weeks
Fostering Positive Behaviour

Students will review both learning and behaviour management philosophies in order to build a repertoire of effective techniques and strategies that foster positive behaviour change in the classroom.

EDAS 154-3 (BC=3)
(3-0-0) 15 weeks
Neurodevelopmental Support

Identify characteristics and challenges of learners with neurodevelopmental needs. Explore and apply strategies to support learners in educational settings.

EDAS 156-3 (BC=3)
(3-0) 15 weeks
Visual Impairment

This course examines issues and techniques involved in teaching persons with visual impairment. Definitions, classification schemes, measurement, prevalence, causes, psychological and behavioural characteristics and basic teaching techniques are reviewed.

Prerequisite: EDAS 111 and EDAS 152 or consent of the Associate Dean.

EDAS 157-3 (BC=3) (3-0) 15 weeks Physical Disabilities Issues and techniques involved in teaching persons with physical disabilities. Common physical disabilities. Related materials and equipment. Prerequisite: EDAS 111 and EDAS 152 or consent of the Associate Dean.	EDAS 163-1 (BC=1) (3-0) 5 weeks Supporting Students with Anxiety Disorders This course explores the most common anxiety disorders with an emphasis on strategies and practices that assist and support these students in the classroom and with their peers.	EDAS 168-1 (BC=1) (3-0) 5 weeks Supporting Students with Classic Autism Explore the characteristics that are used to differentiate classifications other than Autism and Asperger's Syndrome. Investigate a variety of communication, social and behavioural strategies for use in the classroom and other inclusive settings. Prerequisite: EDAS 111 and 152 or consent of the Associate Dean.
EDAS 158-3 (BC=3) (3-0) 15 weeks Communication Disorders Issues and techniques involved in teaching students with communication disorders. Speech development, identifying disorders and the role of the educational assistant.	EDAS 164-1 (BC=1) (3-0) 5 weeks Supporting Students with Mental Health Concerns This course explores the most common mental health disorders with an emphasis on strategies and practices that assist and support these students in the classroom and with their peers.	EDAS 170-3 (BC=3) (3-0-0) 15 Weeks Classroom Technology Introduction to educational technology used in current classrooms. Through a self-directed format, gain computer literacy skills related to the Educational Assistant role.
EDAS 159-3 (BC=3) (3-0) 15 weeks Hearing Impairment This course examines issues and techniques involved in teaching persons with hearing impairment. Definitions, classification schemes, measurement, prevalence, causes, psychological and behavioral characteristics and basic teaching techniques are reviewed. Prerequisite: EDAS 111 and EDAS 152 or consent of the Associate Dean.	EDAS 165-1 (BC=1) (3-0) 5 weeks Supporting Students with Disruptive Behaviour Disorders This course explores some of the more common behaviour disorders with an emphasis on developing strategies that assist students in areas of communication, behaviour and social interaction in the classroom.	EDAS 181-4 (BC=4) 15 hours seminar, 156 hours fieldwork 15 weeks Field Practice Working under a co-operating supervisor in an educational setting. Taking part in a regularly scheduled seminar to discuss field practice.
EDAS 160-3 (BC=3) (3-0) 15 weeks Supporting Students in Literacy Effective teaching strategies for literacy. Topics include learning theory, early literacy intervention, comprehension and decoding strategies, the writing process and writing analysis with an emphasis on assisting students in improving their reading and writing skills.	EDAS 166-1 (BC=1) (3-0) 5 weeks Autism with Intellectual Disability Explore the characteristics of Autism Spectrum Disorder (ASD) with an intellectual disability. Emphasis on learning strategies for use in the classroom and other inclusive settings. Communication, social and behavioural strategies will also be explored.	<hr/> <h2>Electrical Engineering Technology</h2> <p>Note: EET courses are open to Engineering Technology students only.</p>
EDAS 161-3 (BC=3) (3-0) 15 weeks Supporting Students in Numeracy Numeracy concepts taught at the elementary and junior high school levels. Effective teaching techniques and learning activities to improve children's understanding of numeracy in an educational setting.	EDAS 167-1 (BC=1) (3-0) 5 weeks Autism without Intellectual Disability Explore the unique characteristics of Autism Spectrum Disorder (ASD) without intellectual disability. Emphasis on social strategies for use in the classroom and other inclusive settings. Communication and behavioural strategies will also be explored.	

EET 107-3 (BC=3)
(2-0-2/2) 15 weeks
Semiconductor Electronics
 Introduction to semiconductor components and circuits. Topics include semiconductor builds, diode circuit analysis and applications, BJT and FET transistor biasing, analysis and amplifiers, introduction to operational amplifiers.
Prerequisite: EET 123.

EET 115-3 (BC=3) (3-0-2/2) 15 weeks Electrical Machines I Explore the physical laws underlying the operation of single phase transformers, direct current motors and generators, in terms of construction, characteristics, control and applications. Construct circuits using actual machines in the lab to examine their operations. Prerequisite: EET 123, GET 129. Corequisite: EET 132.	EET 137-2 (BC=2) (2-0-0) 15 Weeks Electrical Code I Discuss, define and apply the correct wiring methods, and bonding for Electrical installations based on the conditions of the installation (environment etc.). Build a general use branch circuit complete with overcurrent protection, bonding, suitable raceway for cabling, correct conductor size based on ampacity, and correct connection device (receptacle, junction box etc.). Corequisite: EET 123.	EET 205-2 (BC=3) (2-0-3/2) 15 weeks Programmable Logic Controllers and Control. Examine the roles, functions, hardware, software, programming, and interfacing of Programmable Controllers in a production environment. Includes digital logic concepts, ladder logic and Function Block Diagram programming. Prerequisites: GET 114, EET 123.
EET 117-3 (BC=3) (3-0-0) 15 weeks Emerging Technologies Examination of emerging technologies in the electrical, electronic and instrumentation fields. Topics may include alternative energy sources, energy storage systems, and/or other emerging applications.	EET 138-2 (BC=2) (2-0-0) 15 Weeks Electrical Code II Apply Canadian Electrical Code (CEC) rules for electrical systems for small industrial and commercial buildings; size and specify electrical service, feeders, and overcurrent protection for motors, transformers, welders and capacitors based on CEC. Emergency systems. Apply Computer Aided Drafting to produce electrical drawings. Prerequisite: EET 137, GET 106 Corequisite: EET 132, EET 115.	EET 207-3 (BC=4) (3-0-3/2) 15 weeks Electromechanical Systems Examine industrial applications of electromechanical systems. Industrial motor, power transmission, feedback transducer, drive, and controller applications. Use Variable Frequency Drives (VFDs) and Servo Drives to control electric motors. Prerequisite: EET 200 Corequisite: EET 235
EET 123-4 (BC=4) (3-0-3/2) 15 weeks Circuit Analysis Analyze the response of electrical circuits and networks when driven by single and multiple sources. Corequisites: EET 140, GET 129.	EET 140-3 (BC=3) (2-0-2/2) 15 weeks Technology Physics Application and analysis of fundamental problems involving translational and rotational motion, electricity, and electromechanics. Application of foundation laws of electricity and magnetism. Analysis of fundamental electrical devices and circuit behaviors. Corequisite: GET 129, EET 123.	EET 210-3 (BC=3) (3-0-2/2) 15 weeks Power Systems Explore the main components of a complex power system from generation to consumption. Analyze faults and determine fault currents using symmetrical components, MVA-base, and per-unit methods. Use the latest software to design and test power systems. Prerequisites: EET 115 and EET 123. Corequisites: EET 200.
EET 132-2 (BC=3) (2-0-2/2) 15 Weeks Power Systems Analysis Explore the main components of a complex power system from generation to consumption, System grounding, AC & DC transmission, MVA-base, and per-unit methods. Analyze faults and determine fault currents using symmetrical components, discover the different production methods. Use software to design and test power systems. Prerequisite: EET 123, GET 129. Corequisite: EET 115.	EET 203-3 (BC=3) (3-0-2/2) 15 weeks Control Systems Examine the principles and practices used in the design of process or motion control systems. Topics include open and closed loop behavior, modeling of physical systems, transfer functions, static and dynamic response, stability and frequency response. Prerequisite: GET 101, GET 112, EET 123.	EET 212-2 (BC=2) (2-0-2/2) 15 Weeks Power Systems Operations Load Flow analysis. Control of voltage and power, stability study, economic dispatch. Use the latest software to design and test power systems. Distribution system design requirements and standards. Unsymmetrical fault analysis. Prerequisite: EET 132. Corequisite: EET 200.
EET 135-3 (BC=1) (3-0-3) 15 weeks Microcontroller Interfacing Develop digital and analog circuits to interface microcontrollers with peripheral devices. Write firmware for data acquisition and robotic control. Prerequisite: GET 114.		EET 228-3 (BC=3) (3-0-2/2) 15 weeks Electrical System Design Design electrical systems for small industrial and commercial buildings; size and specify electrical service, feeders, and overcurrent protection based on Canadian Electrical Code. Apply computer aided design to produce electrical drawings. Prerequisite: EET 210, GET 106.

EET 230-3 (BC=4)**(3-0-3/2) 15 weeks****SCADA and HMI**

Examine the main concepts, communication protocols, software, hardware and interface technology used in remote monitoring, data collection, and control of industrial processes. Implement interactive Human-Machine Interface (HMI) screens.

Prerequisite: EET 205.**Corequisite:** EET 235.**EET 235-3 (BC=4)****(3-0-3/2) 15 weeks****Industrial Networks**

Study the characteristics, components, and processes of typical control systems' networks. Establish communication and control links between sensors, actuators, controllers, drives, and other industrial devices in an industrial network.

Prerequisites: EET 205.**Corequisite:** EET 230.**EET 237-2 (BC=3)****(2-0-2/2) 15 Weeks****Electrical Code III**

Design electrical systems for a small project; Identify the hazardous locations. Renewable energy systems. Installation of Cathodic protection systems. Electric Vehicle charging systems. Electrical Communication systems. Apply CAD to produce electrical drawings.

Prerequisite: EET 138.**Corequisite:** EET 212, EET 255.**EET 238-2 (BC=3)****(2-0-2/2) 15 Weeks****Electrical Code IV**

Apply Canadian Electrical Code (CEC) rules for the proper installation of circuits in hazardous locations, pools, and patient care areas. Discuss the CEC requirements of class 1 and 2 circuits, communications circuits, fire alarm circuits, temporary wiring circuits and high voltage installations.

Prerequisite: EET 137.**EET 246-3 (BC=3)****(3-1) 15 weeks****Topic in Instrumentation**

Considers subjects of increasing importance in modern control systems. Specific topics will vary from year to year and may include artificial intelligence and robotics, signal processing, satellite communication, remote sensing and fuzzy logic.

Prerequisite: Successful completion of all courses in Term 3 or permission of the Department.**Note:** This course is not eligible for Prior Learning and Recognition.**EET 255-3 (BC=3)****(3-0-2/2) 15 Weeks****Electrical Machines II**

Examine the underlying principles, construction, control, and performance characteristics of transformers; single-phase and three-phase alternating current motors and generators. Analyze losses and efficiency. Determine developed speed and torque.

Prerequisite: EET 115, EET 132.**Corequisite:** EET 212.**EET 260-3 (BC=3)****(3-0-0) 15 weeks****Capstone Project**

Research and compile a technical report on a technical problem. Demonstrate project management skill set for a Electrical Engineering Technology graduate.

Prerequisite: Term three course completion or consent of Associate Dean.**EET 263-2 (BC=2)****(2-0-2) 15 weeks****Electrical Reliability**

Principles and practices of electrical systems based reliability and failure analysis. Reliability statistics, failure investigation, analysis and reporting, risk mitigation and avoidance.

Prerequisites: Term two course completion or consent of Associate Dean.**EET 265-2 (BC=3)****(2-0-2/2) 15 weeks****Renewable Power Generation**

Apply foundational principles of power systems, power electronics, and electromechanical machines in the analysis and evaluation of solar, wind, and biomass renewable power generation projects.

Prerequisites: Term three course completion or consent of Associate Dean.**EET 270-2 (BC=3)****(2-0-2/2) 15 weeks****Protective Relaying**

Operating principles and characteristics of different types of protective relays. Applications of protective relays including coordination. Manufacturers of relays, completion of test documentation including pass/fail determination, and different usage of relay software. Familiarization with different relay test sets and software.

Prerequisites: EET 212.**EET 273-3 (BC=3)****(3-0-2/2) 15 weeks****Power Electronics**

Introduction to power electronics devices, systems and control. DC and AC power conversion techniques and analysis. Power control applications associated with motor drives and other dynamic loads.

Prerequisite: EET 107.

Engineering

Note: Not all courses listed may be offered. Check Course Timetable for availability.

ENCP 200-3 (BC=3)**(3-0-1.5) 15 weeks****Computer Programming for Engineers**

Fundamentals of computer programming with emphasis on solving engineering problems. Programming in a high level language. Selection and loop structures, routines, arrays and record types, text file operation, pointers.

Prerequisite: Consent of the Department.**ENGG 200-1 (BC=1)****(1-0-0) 15 weeks****Orientation to the Engineering Profession**

Development and history of the engineering profession. Branches of engineering. Engineering roles in various branches. Includes presentations from engineers in different branches. Several written assignments will form the basis for an assessment of your report writing abilities.

Note: This course will be repeated for credit in 2nd term.**Note:** Open to Engineering students only.

ENGG 203-1 (BC=2)
(1-0-2) 15 weeks
Introduction to Engineering Design, Communication and Profession
 Fundamental design process; communications; team work; the engineering disciplines, career fields; professional responsibilities of the engineer including elements of ethics, stewardship, public and worker safety and health considerations including the context of the Alberta Occupational Health and Safety Act.
Corequisite: ENGL 201.

ENGG 205-3 (BC=4)
(3-2.5) 15 weeks
Engineering Mechanics I
 Statics: Force vectors; equilibrium of particles in two and three dimensions; force system resultants; equilibrium of a rigid body in two and three dimensions; trusses; frames, machines and beams. Dynamics: Kinematics and kinetics of particles.

ENGG 217-3 (BC=4)
(3-1-2) 15 weeks
Engineering Design and Communication
 Introduction to the fundamentals of engineering design, communications and projects management. Students will learn technical drawing and apply the design principles in team-based design projects.

ENGG 220-3 (BC=4)
(3-1-3) 15 weeks
Electrical Circuits and Machines
 Introduction to the fundamentals of electrical circuits and machines. Topics include voltage and power; Kirchhoff's current and voltage laws; electricity and magnetism fundamentals applied to circuit elements and machines; electrical systems and instrumentation; circuit design, DC and AC circuit analysis methods; DC and AC machines; first order circuits and transient analysis.

ENGG 230-3 (BC=4)
(3-1-2) 15 weeks
Engineering Statics
 Equilibrium of planar systems. Particle and rigid-body equilibrium. Reduction of a simple distributed loading. Structural analysis, planar trusses and frames. Internal forces. Centre of gravity and centroid. Friction. Moment of inertia.
Corequisite: MATH 212.
Note: Open to Engineering students only.

ENPH 231-3 (BC=4)
(3-1S-3/2)
Engineering Dynamics
 Kinematics and dynamics of particle. Work and energy methods. Impulse and angular momentum. Introduction to kinematics and dynamics of rigid bodies.
Prerequisite: MATH 212.
Note: Open to Engineering students only.

English

Note: Not all courses listed may be offered. Check Course Timetable for availability.

First-Year University Transfer English Courses

Red Deer College offers university transfer English courses at the 200 level. These are usually prerequisites for 300-level English courses and for more advanced work in English. The overall objective for all 200-level courses is to develop critical reading skills and composition skills at the university level. Class discussions and instruction in composing academic essays will be combined with practice in critical analysis and self-expression.

ENG 201-3 (BC=3)
(3-0-0) 15 weeks
Creative Writing
 Explore creative writing genres such as poetry, fiction, non-fiction, and plays, and develop foundational skills required for constructive criticism of written works. This course cannot be used as a prerequisite for ENGL 219, 220, or 300-level English courses.

ENGL 212-3 (BC=3)
(3-0-0) 15 weeks
English for Engineering Students
 Learn effective written and oral communication skills across academic and professional contexts, including reports, correspondences, and presentations. Develop fundamental composition skills of sentences, paragraphs, and documents. Introduce information gathering, analysis, and citation.
Note: Restricted to engineering students.
Prerequisite: ELA 30-1 or equivalent.

ENGL 219-3 (BC=3)
(3-0-0) 15 weeks
Essay Writing and Critical Reading
 Develop essential university-level writing skills, including foundational research methods and argumentation strategies. Acquire techniques for reading informative and persuasive non-fiction texts analytically and critically.
Prerequisite: ELA 30-1 or equivalent.

ENGL 220-3 (BC=3)
(3-0-0) 15 weeks
Literary Analysis
 Explore a range of literary genres while continuing to deepen the required structural and critical skills related to thinking and writing about literature.
Prerequisite: ENGL 219 or equivalent.

Second-Year University Transfer English Courses

These courses are open to students who have completed two term-courses or one full-year course in English at the 200 level, or who have the instructor's permission. These courses may be taken to meet specific program requirements, to serve as elective credits (options) in a program, and to lead to more advanced work in English studies. If you wish to major in English or pursue an Honours English program, consult the appropriate university calendars before choosing 300-level courses.

ENGL 302-6 (BC=6)
(6-0-0) 30 weeks
Introduction to Contemporary Theoretical Practices
 This course will study the major schools of contemporary literary theory, comparing their principles and methods to changing definitions of literature, testing their claims and uses against differing values of readers. Theoretical debate and practical analysis combine in this course to train the student as a polemical literary critic. Selected readings represent Gender, Post-Colonial, New Historical, Feminist, Marxist, Psychoanalytic, Structuralist, Reader-Response, and Formalist criticism.
Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.

ENGL 305-3 (BC=3) (3-0-0) 15 weeks Children's Literature Examine the evolution of children's literature from the 19th century to the present. The literature will include selections from children's fantasy and realist texts as well as literary fairy tales and modern interpretations of older stories. Prerequisite: 3 credits of 200 level English excluding ENGL 201 and ENGL 212.	ENGL 327-3 (BC=3) (3-0-0) 15 weeks Topic in American Literature Examine selected works in American literature related to a specific topic and informed by theoretical, historical, or social approaches. The focus may be slavery, immigration, labour, politics, realism, terrorism modernism, or postmodernism, among others. Prerequisite: 3 credits of 200-level English excluding ENGL 201 and ENGL 212.	ENGL 336-3 (BC=3) (3-0-0) 15 weeks English Literature Post-1700 Survey English literature from the year 1700 to the present day, including the major periods of the 18th century, Romanticism, Victorian, Modernism, and Postmodernism. Prerequisite: 3 credits of 200-level English excluding ENGL 201 and ENGL 212.
ENGL 306-3 (BC=3) (3-0-0) 15 weeks Folklore in Children's Literature Survey oral materials drawn into modern and past English literature from a range of cultural traditions, including myths (Greek, Norse, Indigenous, Oceania), folktales (Perrault, Grimm, Andersen), legends, poems, and songs, especially emphasizing children's literature. Study thematic, theoretical, and structural elements of folklore. Prerequisite: 3 credits of 200 level English excluding ENGL 201 and ENGL 212.	ENGL 330-3 (BC=3) (3-0-0) 15 weeks Early English Renaissance Discover the literature of an era marked by political intrigue, religious upheaval, and a new cultural identity. This course surveys English literature written under King Henry VIII (1509-1547) and Queen Elizabeth I (1558-1603). Explore how poetry, prose, and drama responded and contributed to the volatility of the period. Prerequisite: ENGL 219 and 3 credits of 200 level or above English excluding ENGL 201 and ENGL 212.	ENGL 341-3 (BC=3) (3-0-0) 15 weeks The Augustan Age Examine major literary works of the Augustan period, as well as the natural and moral philosophy of the time. Focus on the satirical works of Swift and Pope, but sample the works of other men and women writers of the period. Prerequisite: ENGL 219 and 3 credits of 200 level or above English excluding ENGL 201 and ENGL 212.
ENGL 311-3 (BC=3) (3-0-0) 15 weeks Early Canadian Literature Discover the literature of English speaking Canada from its beginnings to 1959, the year that Sheila Watson released her book, <i>The Double Hook</i> , which ushered in contemporary Canadian literature. Examine literature from both critical and historical perspectives. Study authors such as L.M. Montgomery, Sinclair Ross, and Pauline Johnson. Prerequisites: 3 credits of 200 level English excluding ENGL 201 and ENGL 212.	ENGL 331-3 (BC=3) (3-0-0) 15 weeks Later English Renaissance Explore the literature of a century that withstood Civil Wars, revolutionized the way we understand nature, and transformed the public and private spheres. This course surveys seventeenth-century English literature, assessing how poetry, prose, and drama set the stage for political, scientific, and social changes that endure to this day. Prerequisite: ENGL 219 and 3 credits of 200 level or above English excluding ENGL 201 and ENGL 212.	ENGL 343-3 (BC=3) (3-0-0) 15 weeks The Age of Johnson Examine major literary works of the second half of the 18th century. Focus on the works of Samuel Johnson as well as important works by other men and women writers of the period. Prerequisite: ENGL 219 and 3 credits of 200 level or above English excluding ENGL 201 and ENGL 212.
ENGL 312-3 (BC=3) (3-0-0) 15 weeks Contemporary Canadian Literature Discover the literature of English-speaking Canada from 1959 to the present. Examine literature from both critical and historical perspectives, and explore modern and postmodern literary forms. Study authors such as David Chariandy, Michael Ondaatje, Margaret Laurence, and Alice Munro. Prerequisites: 3 credits of 200 level English excluding ENGL 201 and ENGL 212.	ENGL 335-3 (BC=3) (3-0-0) 15 weeks English Literature Pre-1700 Discover what makes English literature between the Middle Ages and the 1700s so vibrant. Assess well-wrought literary genres and forms, and explore how writers, both canonical and lesser known, transformed them across centuries. Immerse yourself in poetry, prose, and drama that has truly stood the test of time. Prerequisite: 3 credits of 200 level English excluding ENGL 201 and ENGL 212.	ENGL 345-3 (BC=3) (3-0-0) 15 weeks The British Romantic Period Question the established order by studying the major and minor authors of British Romanticism and their social and political contexts. Topics may include political revolution, abolitionism, feminism, prophecy, and mythology. Prerequisite: ENGL 219 and 3 credits of 200 level or above English excluding ENGL 201 and ENGL 212.
		ENGL 347-3 (BC=3) (3-0-0) 15 weeks The Victorian Period Examine the development of British literature from 1837-1901. Texts will include fiction, short fiction, poetry and essays from the early, middle, and late Victorian periods. The texts will be read in their historical contexts. Prerequisite: ENGL 219 and 3 credits of 200 level or above English excluding ENGL 201 and ENGL 212.

ENGL 351-3 (BC=3) (3-0-0) 15 weeks Poetry Reading and Analysis Develop skills of careful reading and analysis of poetry, with special attention to the relationship between form and meaning. Prerequisite: 3 credits of 200 level English excluding ENGL 201 and ENGL 212.	ENGL 361-3 (BC=3) (3-0-0) 15 weeks Early 20th Century British Novel Discover the radical changes in morals, lifestyle, social attitudes, and political concerns of the early 20th century modernist British prose writers. Explore the supplementary artistic and philosophical concerns within other artistic fields such as painting, music, and sculpture. Prerequisite: ENGL 219 and 3 credits of 200 level or above English excluding ENGL 201 and ENGL 212.	ENGL 368-3 (BC=3) (3-0-0) 15 weeks Later 20th Century British Novel Understand how modernism transitioned into postmodernism during the mid-twentieth century in Britain and resulted in the diverse forms, styles, and content of contemporary British prose writing. Examine the competing moral, political, social, and technological influences on the literary artists and their times. Prerequisite: ENGL 219 and 3 credits of 200 level or above English excluding ENGL 201 and ENGL 212.
ENGL 354-3 (BC=3) (3-0-0) 15 weeks Topic in Non-Fiction Writing Develop and strengthen writing skills for specific rhetorical situations and discourse communities. The course topic varies each year, but may include writing about writing, digital writing, or science writing. The course will expand students' ability to write in various genres and for different audiences. Prerequisite: 3 credits of 200 level English excluding ENGL 201 and ENGL 212.	ENGL 363-3 (BC=3) 3-0-0 15 weeks Literary Theory: Texts Discover the linguistic and philosophy-based theories that inform contemporary reading of texts, applying them to textual analysis. Theories include: Formalist, Structuralist, Post-Structuralist, Reader-Response, and Psychoanalytic. Prerequisite: ENGL 219 and 3 credits of 200-level or above English excluding 201 and 212. Anterequisite: ENGL 302.	ENGL 371-3 (BC=3) (3-0-0) 15 weeks Topic in Canadian Literature Explore literature of a specific Canadian region, genre, or theme. Discover how geographical, historical, political, and literary contexts inform literature. Study topics such as Ghosts in Canadian Literature, Canadian Poetry, the Canadian Short Story, and Canadian Prairie Writing. Prerequisite: 3 credits of 200 level English excluding ENGL 201 and ENGL 212.
ENGL 357-6 (BC=6) (6-0-0) 30 weeks The English Novel This course examines key works in the development of the English novel from the 18th to the early 20th century. The course covers the history of the genre, the techniques of the novel, and works by such authors as Defoe, Richardson, Fielding, Goldsmith, Walpole, Austen, Dickens, Eliot, Bronte, and Hardy. Prerequisite: 6 credits of 200 level English excluding ENGL 201 and ENGL 212.	ENGL 364-3 (BC=3) (3-0-0) 15 weeks Literary Theory: Contexts Discover the cultural theories that inform contemporary reading of texts, applying them to textual analysis. Theories include: Feminist, Marxist, Race/Ethnic Studies, Postcolonial, Cultural. Prerequisite: ENGL 219 and 3 credits of 200-level or above English excluding 201 and 212. Anterequisite: ENGL 302.	ENGL 376-3 (BC=3) (3-0-0) 15 weeks Creative Writing Fiction I Practice creative writing within the genre of fiction and techniques such as word play, dialogue, narrative shifts, and characterization. Prerequisite: ENGL 219 and 3 credits of 200 level or above English excluding ENGL 201 and ENGL 212.
ENGL 359-3 (BC=3) (3-0-0) 15 weeks Young Adult Literature Examine the emergence of young adult literature as a stage distinct from that of children's literature. Explores issues of gender and ethnicity and consider the appeal of this genre to adults. Prerequisite: 3 credits of 200 level English excluding ENGL 201 and ENGL 212.	ENGL 366-3 (BC=3) (3-0-0) 15 weeks The Short Story Examine representative works of short fiction illustrating the traditions of the short story in English, sample contemporary experiments in the short story form, and develop a technical vocabulary appropriate to the study of narrative. Prerequisite: 3 credits of 200 level English excluding ENGL 201 and ENGL 212.	ENGL 377-3 (BC=3) (3-0-0) 15 weeks Creative Writing Poetry I Practice creative writing within the genre of poetry and explore style, technique, poetic form, and the role of the literary artist. Prerequisite: ENGL 219 and 3 credits of 200 level or above English excluding ENGL 201 and ENGL 212.

ENGL 378-3 (BC=3)
(3-0-0) 15 weeks

Creative Writing Fiction II

Compose creative writing within the genre of fiction and formulate and assess narrative techniques, style, voice, and character.

Prerequisite: ENGL 376.

ENGL 379-3 (BC=3)
(3-0-0) 15 weeks

Creative Writing Poetry II

Compose creative writing within the genre of poetry and formulate and assess poetic techniques, style, voice, and form.

Prerequisite: ENGL 377.

ENGL 385-3 (BC=3)
(3-0-0) 15 weeks

Indigenous Literature

Discuss contemporary Indigenous writing in Canada and contrast with similar works from earlier periods and from the United States. Gain perspective of the ways in which oral tradition and the historical, cultural, and political issues that inform the focal texts impact their critical reception.

Prerequisite: 3 credits of 200-level English excluding ENGL 201 and ENGL 212.

ENGL 387-3 (BC=3)
(3-0-0) 15 weeks

Topic in Literature and Society

Investigate the conjunction of literature, culture, and social issues, examining historical, social, economic, political, and gender determinants that intersect within individual works. Specific topics may include Literature and Science, Literature and Health Care, or Literature and Religion.

Prerequisite: 3 credits of 200 level English excluding ENGL 201 and ENGL 212.

ENGL 389-3 (BC=3)
(3-0-0) 15 weeks

Topic in Women's Literature

Discover writing by women across various geographical regions and time periods. Analyse theoretical approaches to women's literature, and examine literary forms. Study women's literature from different perspectives, themes, historical moments, and genres.

Prerequisite: 3 credits of 200 level English excluding ENGL 201 and ENGL 212.

ENGL 391-3 (BC=3)
(3-0-0) 15 weeks

Topic In International Literature

Examine literature written in English outside of Canada, Britain, and the United States. Study writing from a specific region, such as Africa, the Indian Subcontinent, the Caribbean, or Australasia, or in relation to an issue or theme in postcolonial studies. Analyze historical, geographical, political, and literary contexts.

Prerequisite: 3 credits of 200 level English excluding ENGL 201 and ENGL 212.

ENGL 393-3 (BC=3)
(3-0-0) 15 weeks

Science Fiction

Discover new and endangered worlds, scientific experiments gone awry, and strange futures as we explore science fiction literature. Analyze the political, social, and philosophical questions that this genre brings to life. Be transformed by a diverse group of authors whose imagined worlds may not be so different from our own.

Prerequisite: 3 credits of 200 level English excluding ENGL 201 and ENGL 212.

ENGL 395-3 (BC=3)
(3-0-0) 15 weeks

Topic in Shakespeare

Explore Shakespeare's writings. Assess the scandals of Shakespeare's oeuvre and of scholarship on him. Debate the political, religious, gendered, and racial implications of the Bard's works in his day and our own. Is "all's well that ends well" or are we chained to our past because "blood will have blood"?

Prerequisite: 3 credits of 200 level English excluding ENGL 201 and ENGL 212. This course may be repeated for credit.

ENGL 399-3 (BC=3)
(3-0-0) 15 weeks

Detective Fiction

Explore the popular genre of detective fiction using selected works from the nineteenth to the early twenty-first century. Examine detective fiction's history and the development of its conventions in relation to historical, social, and both literary and popular cultural contexts.

Prerequisite: 3 credits of 200 level English excluding ENGL 201 and ENGL 212.

Family Studies

FAM 315-3 (BC=3)
(3-0) 15 weeks

Relationship Development

The study of the nature of intimate relationships in friendship, marriage and family. Teaching and classroom implications will be considered.

FAM 322-3 (BC=3)
(3-0) 15 weeks

Human Sexuality

An inquiry into the nature of sexual behaviour, its personal and cultural sources and its personal, familial, societal and educational implications. The focus of this class is to prepare future teachers to instruct sexuality education curriculum and to provide background knowledge which will help teachers understand children's growth and development as it pertains to human sexuality.

Film

FILM 201-3 (BC=4)
(3-0-2) 15 weeks

Film Art

Introduction to film genre, form, style, production, and theory based on the close study of selected titles from the silent era to the present day. Analyze how the formal elements of films, include mise-en-scene, cinematography, editing, and sound, combine to create meaning.

FILM 202-3 (BC=4)
(3-0-2) 15 weeks

Film History

Examine the historical development of film, including an introduction to production eras, technological advances, national cinemas, and ideological trends based on the close study of selected titles from the silent era to the present day. Explore the political, social and cultural forces that influence film in different eras.

FILM 301-3 (BC=4)
(3-0-2) 15 weeks
Selected Topics in Film Genre
 Explore the style, narrative patterns, historical evolution, and cultural mythologies of a selected film genre, such as the musical, the western, horror or children's film.
Prerequisite: FILM 201 or 202 and ENGL 219 and 3 credits of 200 level or above English excluding ENGL 201 and ENGL 212.

Film, Theatre and Live Entertainment

FTLE 105-3 (BC=3)
(3-0-0) 15 Weeks
Theatre History Analysis
 An overview of western theatre aesthetics and its evolution from origins of theatre up through the 20th Century with an examination of dramaturgy as it pertains to creation and performance. Theoretical and practical approaches for the theatre artist to play analysis, through the study of theatrical forms and styles.

FTLE 110-3 (BC=3)
(3-0-0) 15 Weeks
Theatre Production History
 An examination of the important innovations in the staging and production of western European theatre. Examine cultural and artistic historical styles and how they impact theatre.

FTLE 205-3 (BC=3)
(3-0-0) 15 Weeks
Directing I
 Examine the aesthetics of devising an artistic endeavour from a director's point of view. Explore the creative process in terms of relationships and responsibilities of key personnel involved in developing a project from idea to exhibition.
Prerequisite: COMM 210.

FTLE 210-3 (BC=3)
(3-0-0) 15 Weeks
Storytelling II
 Further develop writing using basic structure, character, and arcs. Examine different aspects of plot and character for a variety of media. Focus on structure, character and story throughlines.
 Knowledge used to develop short scripts.
Prerequisite: CREA 110.

FTLE 215-3 (BC=3)
(3-0-0) 15 Weeks
Business for Stage and Screen
 Practical application of core business elements for actors and production students in the entertainment industry.
Prerequisite: COMM 210.

FTLE 220-2 (BC=2)
(1-0-3) 15 Weeks
Projects I
 Project based collaboration and community of practice. Application of creative, practical and communication skills. Development of professional skills and confidence. Building awareness of role and responsibilities within projects of limited scope. With construct and guidance of instructor students will initiate/execute creative ideas and process.
Prerequisite: FTLE 205.

FTLE 305-1 (BC=2)
(1-0-1) 15 Weeks
Workshops I
 Diverse sessions by multiple industry experts focused on knowledge and application of discipline(s) within industry.
Prerequisite: FTLE 215.

FTLE 306-1 (BC=2)
(1-0-1) 15 Weeks
Workshops II
 Diverse sessions by multiple industry experts focused on knowledge and application of discipline(s) within industry.
Prerequisite: FTLE 215.

FTLE 405-15 (BC=15)
(3-0-28) 15 Weeks
Applied Practicum I
 Work related experience: applied research or performance based exercise(s)/ project(s) in stage/screen performance and production.
Prerequisite: Successful completion of all third year courses.

FTLE 410-15 (BC=15)
(3-0-28) 15 Weeks
Applied Practicum II
 Work related experience: applied research or performance based exercise(s)/ project(s) in stage/screen performance and production.
Prerequisite: FTLE 405.

Finance

Note: Not all courses listed may be offered. Check Course Timetable for availability.

FINS 150-3 (BC=3)
(3-0) 15 weeks
Personal Finance
 Explore personal financial literacy concepts and their application to managing personal finances. Combining theory and business math concepts learn fundamental principles of short and long-term financial planning, investing & retirement, credit, taxation, risk management and budgeting.

FINS 250-3 (BC=3)
(3-0) 15 weeks
Mutual Funds
 Provides an in depth look at the fundamentals of mutual funds and related investment products in Canada. Students who successfully complete the course requirements are eligible to take the registration exam administered by an outside body. A minimum mark must be achieved on the examination in order to qualify for the mutual funds registration.
Prerequisite or Corequisite: FINS 150 or consent of department.

FINS 251-3 (BC=3)
(3-0) 15 weeks
Managing Personal Credit
 Overview of the six fundamentals of credit. Review various retail credit products including secured and unsecured loans, lines of credit and mortgages. Time value of money concepts to calculate loan payments and compare interest costs. Case studies will be used.
Prerequisite: FINS 150.
Corequisite: BADM 260 or BUS 310 or permission of the instructor.

FINS 280-8 (BC=8) (8-0) 500 hours over 16 weeks Financial Services Work Experience This course provides an opportunity for students to work in the financial services industry and apply knowledge learned in their first year. Students will be exposed to a variety of entry level positions. This course offers students paid work experience selling personal financial products. Consult the program coordinator for details. Prerequisite: FINS 180 or consent of department.	FINS 320-3 (BC=3) (3-0) 15 weeks Select Topics in Financial Services Specialized areas of knowledge in financial services that allow students to gain a broader understanding of the diverse needs of the financial services industry, its management and its customers. Course offering and specific topics depend on availability of a qualified instructor with the required skills and experience.	FREN 102-3 (BC=4) (4-1) 15 weeks Beginners' French II For students who have taken French 20 or FREN 101. The oral aspect of the language is stressed in class. The course will prepare you for university-level courses Prerequisite: French 20 or FREN 101 or equivalent or consent of the Department. Note: French Immersion students or students with French 30 should not register in FREN 101/102.
FINS 284-3 (BC=3) (3-0) 15 weeks Fundamentals of Personal Finance The Fundamentals of Personal Finance addresses communication techniques and relationship building skills. The course covers preparation, analysis and understanding of personal financial statements; preparing a debt and cash management plan; time value of money concepts in financial calculations, and economic theory as it applies to personal finance. Prerequisite: FINS 180 or consent of department.	FINS 321-3 (BC=3) (3-0) 15 weeks Select Topics in Financial Services Specialized areas of knowledge in financial services that allow students to gain a broader understanding of the diverse needs of the financial services industry, its management and its customers. Course offering and specific topics depend on availability of a qualified instructor with the required skills and experience.	FREN 202-3 (BC=4) (4-1) 15 weeks Intermediate French I Spoken and written French, including grammar, composition, literature, and conversation. The literature includes works of modern authors. Prerequisite: French 30, FREN 102 or equivalent.
FINS 286-3 (BC=3) (3-0) 15 weeks Insurance in Canada Term and whole life, disability, accident, critical illness, and creditor insurance contracts will be studied. The course will also review how these products are underwritten by bank and non-bank insurers and coordinated with government benefits. Prerequisite: FINS 150.	<h2 data-bbox="554 947 693 997">French</h2> <p data-bbox="554 1018 970 1290">Note: 100-level language courses are intended for students with little or no background in the language. Students who have high school matriculation in the language, or who are taking a 100-level course to meet a university's matriculation requirements, may be denied transfer credit. Check the Transfer Guide and with the university.</p> <p data-bbox="554 1310 970 1380">Note: Not all courses listed may be offered. Check Course Timetable for availability.</p>	FREN 203-3 (BC=4) (4-1) 15 weeks Intermediate French II A continuation of FREN 202. Further development of spoken and written French, including grammar, composition, literature and conversation. The literature includes works of modern authors. Prerequisite: FREN 202, Francais 30 or equivalent. Note: Students presenting French Language Arts 30 or Francais 30 may apply for advanced placement directly into French 203. Those wanting credit for French 202 may apply to challenge the course; in that case the challenge must be completed before starting FREN 203. Those presenting IB French HL or SL with a grade of 6 or higher will receive credit.
FINS 287-4 (BC=4) (4-0) 15 weeks Advanced Financial Planning Integrates the knowledge and skills gained in the core curriculum of the major in Financial Services. Students will apply their skills and knowledge in the development of a comprehensive financial plan, as well as, other integrative activities throughout the course. Prerequisites: FINS 250 and 251 or permission of the department.	FREN 101-3 (BC=4) (4-1) 15 weeks Beginners' French For students without any French or with French 10. Comprehension, speaking, reading, and writing. The oral aspect of the language is stressed in class. Note: French Immersion students or students with French 30 should not register in FREN 101/102.	FREN 302-3 (BC=4) (4-0) 15 weeks Advanced French I To further develop written and oral skills learned in FREN 202-203 or an equivalent, with an emphasis on presentation grammar, composition and literary elements. Conversation activities are included in the course. Prerequisite: FREN 200, FREN 203 or equivalent.

FREN 303-3 (BC=4)
(4-0) 15 weeks
Advanced French II

A continuation of FREN 302. Further development of reading, written and oral skills with an emphasis on presentation grammar, composition and literary analysis. Conversation activities are included in the course.

Prerequisite: FREN 302.

FREN 353-3 (BC=3)
(3-0) 15 weeks
Introduction to French Canadian Literature

Literary expression in French Canada, from its origins to the present time. A historical approach.

Prerequisite: FREN 200 or FREN 203 or consent of the Department.

FREN 354-3 (BC=3)
(3-0) 15 weeks
Introduction to French Canadian Literature

Continuation and complement to FREN 353. A textual approach with emphasis on the problems of literary analyses.

Prerequisite: FREN 200 or FREN 203 or consent of the Department.

General Engineering Technology

Note: GET courses are open to Engineering Technology students only.

GET 101-4 (BC=4)
(3-0-2) 15 weeks
Introduction to Instrumentation

Introduces students to basic instrumentation and measurement systems & components.

GET 106-3 (BC=3)
(2-0-2) 15 weeks
Engineering CAD

Employ graphical language of drafting using free-hand sketching and 2D CAD. Construct objects in orthographic, isometric, and sections views. Examine principles of component identification and documentation.

GET 112-3 (BC=3)
(3-1-1) 15 weeks
Advanced Engineering Mathematics

Extend the understanding of calculus to include integration techniques and applications, differential equations, Maclaurin and trigonometric Fourier series, Laplace transforms and inverse Laplace transforms.

Prerequisite: GET 111.

GET 116-2 (BC=3)
(2-0-2/2) 15 weeks
Professional Communications

Employ professional presentation and communication skills to exchange technical data, operational narratives, and information. Use industry standard software tools to collect, summarize and organize data in order to aid in critical decision making processes.

GET 129-3 (BC=4)
(3-1-1) 15 weeks
Technology Mathematics I

Apply the fundamental principles of algebra, geometry, trigonometry, nonlinear equations, matrices, determinants and differential calculus to engineering related problems.

GET 130-3 (BC=4)
(3-1-1) 15 weeks
Technology Mathematics II

Practice concepts and techniques of statistical theory as they apply to data collection, summarization, and presentation. Continued application of calculus including partial differential equations.

Prerequisite: GET 129.

GET 202-2 (BC=2)
(2-0-1) 15 weeks
Engineering Statistics

Apply concepts and techniques of statistical theory to process control, quality assurance, data collection, summarization, and presentation.

GET 204-2 (BC=2)
(2-0-0) 15 weeks
Professional Practice

Select the proper project, program, or portfolio. Employ strategies and develop documents to start, plan, execute, control and close a project in related knowledge areas: Time, Cost, Quality, Human Resource, Communications, Stakeholders, Risk, and Procurement.

Prerequisite: GET 116.

GET 206-2 (BC=4)
(2-1-1) 15 weeks
Computer Programming

Develop C/C++ structured object-oriented programs involving decision and loop structures, functions, arrays, classes, inheritance. Strong emphasis on algorithm planning, program design, debugging, code documentation.

GET 208-2 (BC=2)
(2-0-0) 15 weeks
Project Management

Select the proper project, program, or portfolio. Employ strategies and develop documents to start, plan, execute, control and close a project in related knowledge areas: Time, Cost, Quality, Human Resource, Communications, Stakeholders, Risk, and Procurement.

Prerequisite: GET 116.

Geography

Note: Not all courses listed may be offered. Check Course Timetable for availability.

GEOG 230-3 (BC=4)
(3-0-2) 15 weeks
Introductory Physical Geography

Geomorphology: the nature and formation of major landform features of the earth's surface. Rock weathering and slope movements; landforms developed by the erosion and deposition processes of rivers, glaciers, winds, waves, and currents. A field trip may be offered. Relevant environmental issues will be addressed.

GEOG 231-3 (BC=4)
(3-0-2) 15 weeks
Introductory Physical Geography II

Atmosphere and biosphere. Physical elements of weather and climate. Causes, changes, and patterns of weather. Climate classification. How climate, soils, and vegetation are interrelated. Relevant environmental issues will be addressed.

Note: GEOG 230 does not have to precede GEOG 231.

GEOG 250-3 (BC=3)
(3-0) 15 weeks

Spatial Organization of Human Activity

Introduction to the concepts of relative location, spatial interaction and spatial organization of human activity in both rural and urban settings; geographical theories and techniques.

GEOG 251-3 (BC=3)
(3-0) 15 weeks

Introduction to Cultural Geography

This introductory course will focus on basic concepts in human geography, the human environment, sustainability and development, population dynamics, migration, economic development, settlement patterns, cultural landscapes, the political world, industrialization, transportation, environmental change and other topics of current interest. Based on lectures as well as hands-on class. room assignments, this course will enable students to acquire problem-solving and basic analytical skills widely applied in geography.

GEOG 381-3 (BC=3)
(3-0) 15 weeks

Geography of Canada

The regional geography of Canada. Canada's physical features and how they have affected the country's history and development. The concept of geographic regions. Patterns and characteristics of these regions, with selected detailed studies. **Prerequisite:** A previous course in Geography is strongly recommended.

GEOG 382-3 (BC=3)
(3-0) 15 weeks

World Regional Geography

This course is a study of the major world regions. Each region is examined in terms of its distinguishing features as well as its functional connectedness to other regions through processes like globalization. Regional trading blocs, growing environmental issues, access to, and use of resources, diasporas and transnationalism, and increasing developed-developing country disparities are key issues that are addressed within the framework of the 'regional approach' to spatial analysis.

GEOG 393-3 (BC=3)
(3-0) 15 weeks

The Geography of Cities

This introductory course will focus on how cities have evolved as they have, in their spatial and social structure, institutions and attitudes; understanding the historical processes and patterns by which cities have become simultaneously, the products and shapers of economic, social, political and technological change; studying demographic change and its effects on city internal structure and land use patterns; analysing the forces and factors that influence neighbourhood choice and growth; understanding the interrelationship between economic and social change within an urban context; and also comprehending the mechanisms of city systems.

Health Care Aide

HCA 122-4 (BC=4)
(120 hours clinical practice)

Health Care Aide Supervised Clinical Practice

Clinical practice in the role of the health care aide, supervised by an instructor, in an institutional setting.

HCA 123-3 (BC=3)
(80 hours)

Health Care Aide Preceptored Clinical Practice

Preceptored clinical practice in the role of the health care aide in institutional setting. **Prerequisites:** HCA 141, 142, 143, 144, 145, 146, 147 and HCA 122.

HCA 124-6 (BC=6)
(53 class/82 lab)

HCA Theory - CTS Route

Building on learning from the Career and Technology Studies health stream in high school, this course will focus on the role of the Health Care Aide. The course will build on the knowledge and skills needed to assist clients with activities of daily living. Students will have the opportunity to participate in hands on learning in a simulated environment.

HCA 141-3 (BC=3)
(49 class hours/12 lab hours)

Working Safely and Effectively as a HCA

Understanding the role and responsibilities of the Health Care Aide program, relevant legislation, client and workplace safety, focusing on knowledge and skills required to maintain safety for the client and staff member in the care environment.

HCA 142-2 (BC=2)
(19 class hours/6 lab hours)

Communication in a Health Care Environment

Communicate effectively as a member of the health care team. You will learn communication strategies to overcome barriers of sensory loss due to disease and aging.

HCA 143-3 (BC=3)
(36 class hours)

Structure and Function of the Human Body-Health and Chronic Illness

You will gain understanding of the systems of the human body and the impact of developmental stages and chronic conditions.

HCA 144-4 (BC=4)
(34 class hours/31.5 lab hours)

Providing Client Care and Comfort

Develop advanced skills to assist clients with personal grooming and hygiene, and movement.

HCA 145-2 (BC=2)
(11 class hours/25 lab hours)

Meeting Complex Care Needs

Advanced skills for Health Care Aides which support care activities such as: ostomy care, respiratory care, catheter care, measuring vital signs, assisting with specimen collection and assisting with tube feedings.

HCA 146-1 (BC=1)
(6 class hours/12 lab hours)

Assisting with Medication Delivery

Understand the role and responsibility of the Health Care Aide in assisting with the delivery of medication to clients.

HCA 147-3 (BC=3)**(48 class hours)****Special Activities for Diverse Clients**

Develop skills for assisting with diverse care needs of clients. Understand care required for clients with a diagnosis of dementia and examine personal feelings and experiences as related to our aging population.

HCA 1001-3 (BC=3)**(33-0-12) number of weeks will vary****Health Care Aide Roles and Responsibility**

During this course, you will focus on the role and responsibilities of a health care aide working in a variety of employment settings. The focus of this course is to share information that will result in safe, ethical, and respectful care based on the needs of the client.

HCA 1002-3 (BC=3)**(39-0-6) number of weeks will vary****The Human Body, Health and Chronic Illness**

Examine the systems that make up the human body and discuss the milestones of growth and development across a lifetime. You will explore the most common of the chronic illnesses, and how to provide safe care based on evidence-informed practices according to the clients' diagnoses, needs, and care plans.

HCA 1003-4 (BC=4)**(48-0-12) number of weeks will vary****Communication and Documentation in the Health Care Environment**

This course will focus on the role and responsibilities of the health care aide when communicating effectively as a member of the collaborative care team.

HCA 1004-5 (BC=5)**(39-0-36) number of weeks will vary****Providing Person-Centred Care and Comfort**

The student will learn to support clients to maintain their independence and meet their care needs. The student will acquire the skills and knowledge needed to assist clients with daily grooming and hygiene and to assist clients to walk and use mobility aids and wheel chairs safely.

HCA 1005-3 (BC=3)**(80 clinical hours) number of weeks****will vary****Clinical Placement I****HCA 1006-5 (BC=5)****(40-0-35) number of weeks will vary****Meeting Complex Care Needs**

Learners will have the opportunity to acquire the knowledge to learn advanced skills such as active and passive range-of-motion exercises, wound care, tube feeds, catheter care, ostomy care, specimen collection, and respiratory care. In addition, accurate measurement of vital signs is demonstrated, practiced, and assessed.

HCA 1007-5 (BC=5)**(57-0-18) number of weeks will vary****Special Activities for Clients with Various Health Conditions**

This course is focused on the extensive section on meeting the care and comfort needs of clients with a diagnosis of dementia. Learners also learn about care strategies for assisting other diverse client groups such as clients with a mental health diagnosis and clients with developmental delays and physical disabilities.

HCA 1008-5 (BC=5)**Clinical Placement II****(160 clinical) number of weeks will vary**

During the second clinical placement, you will experience the role of the health care aide by working under the direction of a regulated health-care professional. You will have the opportunity to work in a variety of health-care settings such as continuing care or acute care.

HCA 1009-3 (BC=3)**(80 clinic) number of weeks will vary****Consolidated Clinical Placement**

The final clinical placement course - you will practice the role of the health care aide by working under the direction of a regulated health-care professional and buddied with an unregulated health-care professional. You will work in a variety of health-care settings such as continuing care or acute care.

Health Sciences

HSCI 100-3 (BC=4)**(3-0-0) 15 weeks****Health Sciences I**

Introduction to concepts of health and wellness and exploration of the roles of a variety of health professionals. Explore and apply study, learning, and self-care skills.

HSCI 101-3 (BC=4)**(3-0-0) 15 weeks****Health Sciences II**

Exploration of ethical, cultural, and legal influences affecting practice of health care professionals. Increase student understanding of health and wellness and Canadian health system. Discuss professional skills and attributes essential for quality care of diverse populations in health care professions. Assist students to determine a personal pathway for further study.

Prerequisite: HSCI 100 Introduction to Health Sciences I.

HSCI 105-3 (BC=5)**(3-0-0) 15 weeks****Personal Health and Wellness**

An introduction to the concepts of health, wellness, and fitness from a personal perspective. Theory and practical strategies are introduced and practiced to empower the student in developing a healthy active lifestyle.

HSCI 110-3 (BC=4)**(3-0-0) 15 weeks****Mathematics for Health Professions I**

Through the study of mathematics, students learn skills in reasoning, logic, critical thinking and problem solving that are necessary for success in the health sciences. Topics include numeracy, rational numbers, algebra, solving equations, estimation, logical reasoning, and problem solving.

HSCI 111-3 (BC=4)
(3-0-0) 15 weeks

Mathematics for Health Professions II

Further develop critical thinking, problem-solving and decision making skills required for success in healthcare professions. Explore topics including algebra, solving equations, rational and irrational numbers, statistics, probability, set theory, and problem solving.

Prerequisite: HSCI 110 Mathematics for Health Professions I.

HSCI 115-3 (BC=4)
(3-0-0) 15 weeks

Biology for Health Professions

Explore human biology and genetics on microscopic and macroscopic levels. Gain an understanding of human biology and how cells, as the basic unit of structure, function in the body. Relate the organization of cells, tissues, organs, and systems to homeostasis.

History

Note: Not all courses listed may be offered. Check Course Timetable for availability.

CLAS 209-3 (BC=3)
(3-0-0) 15 weeks

Ancient Greece and Rome

Discover Ancient Greek and Roman culture, daily life, mythology, religion, and history. Analyze the historical importance of Greek and Roman societies.

CLAS 320-3 (BC=3)
(3-0-0) 15 weeks

Roman History

Examine the history and civilization of Ancient Rome using evidence from literary and material culture.

HIST 207-3 (BC=3)
(3-0-0) 15 weeks

Early Modern World 1450-1789

Explore world history from the fall of Constantinople in 1453 to the French Revolution in 1789. Examine and interpret the impact of religious warfare, changing intellectual, state and social structures, witchcraft, European colonial exploration, and the emerging Atlantic world.

HIST 208-3 (BC=3)
(3-0-0) 15 weeks

The World Since 1789

Discover world history since the French Revolution. Interpret the impact of industrialization, nationalism and imperialism, World Wars, the Russian Revolution, the Cold War and growing globalization.

HIST 209-3 (BC=3)
(3-0-0) 15 weeks

Medieval World History

Discover world history from approximately 300 to 1500. Explore the collapse of ancient empires, various attempts at stability, the expansion of Christianity, the birth of Islam, Asian trade and commercial networking of the globe, effects of European conquest, and the Renaissance.

HIST 314-3 (BC=3)
(3-0-0) 15 weeks

Wartime Europe 1900-1945

Examine Europe from the turn of the twentieth century to the end of World War II. Consider social, political, military, and economic developments occurring in various European countries during the two World Wars.

HIST 315-3 (BC=3)
(3-0-0) 15 weeks

Cold War Europe 1945-1991

Analyze social, political, and intellectual changes in Europe from World War II to the 1990s. Compare ideological blocs and their impact on postwar reconstruction and international development. Examine decolonization and proxy wars. Interpret factors in the end of the Cold War and the uncertainty that followed.

HIST 321-3 (BC=3)
(3-0-0) 15 weeks

Napoleon's Europe

Explore the shock and legacy of Napoleonic warfare on the social, political, cultural, nationalistic, and intellectual forces that shaped nineteenth-century Europe. Examine the revolutions of 1830 and 1848 that helped to define the century in Napoleon's wake.

HIST 325-3 (BC=3)
(3-0-0) 15 weeks

Science and Religion Since 1500

Survey the interaction between science and religion from the Scientific Revolution to the present. Explore the books of nature and of scripture, reactions to Copernican astronomy, Newton's theology, Darwinian Evolution, Creationism, the Big Bang, and extraterrestrial inspired religions.

HIST 327-3 (BC=3)
(3-0-0) 15 weeks

The European Witch Craze

Explore the intellectual, cultural, social, and the theological origins, development, and decline of witchcraft beliefs in early-modern Europe. This course combines lectures and student discussions.

HIST 330-3 (BC=3)
(3-0-0) 15 weeks

History of Health and Healing

Examine changing health perceptions and healing practices across cultures. Analyze scholarly healing traditions and ideas about the body and healing. Appraise relations among healing practitioners as well as changing social, cultural political attitudes and practices towards health and healing.

HIST 333-3 (BC=3)
(3-0-0) 15 weeks

Victorian English Society

Explore the everyday life of the English people in the nineteenth century (c.1815-1914). Compare aspects of everyday life within the context of social legislation, urban and suburbanization, sport and leisure, education, popular protests, and political reform.

HIST 334-3 (BC=3)
(3-0-0) 15 weeks

Modern English Society

Explore the everyday life of the English people within the context of the modern state post 1918. Examine the emergence of a consumer culture, the welfare state, mass media, popular culture, work and leisure, political protest, and Thatcherism.

HIST 351-3 (BC=3)**(3-0-0) 15 weeks****The British Empire**

Discover the social, intellectual, cultural, and political aspects of the British Empire from its origins to 1997. The British Empire will be examined from a British and colonial perspective.

HIST 357-3 (BC=3)**(3-0-0) 15 weeks****Gender and Sexuality in History**

Analyze history through the lens of gender and sexuality. Interpret changing social constructions of gender and sexuality within their economic class, ethnic, religious and political dimensions. Appraise how gender and sexuality influence the writing of history.

Prerequisite: 3 credits in HIST or consent of the department.

HIST 361 (BC=3)**(3-0-0) 15 weeks****The United States to 1865**

Explore the United States from colonial settlements to the Civil War. Evaluate the development of an American identity. Examine the Revolutionary War, the struggle to define the republic, slavery and the Civil War.

Antirequisite: HIST 360.

HIST 362-3 (BC=3)**(3-0-0) 15 weeks****The United States since 1865**

Explore the United States from the Civil War to the present. Examine the Presidency, Reconstruction, segregation, industrialization, imperialism, World Wars, youth culture, and the era of the Cold War.

Antirequisite: HIST 360.

HIST 363-3 (BC=3)**(3-0-0) 15 weeks****American Civil War in Context**

Discover the history of the American Civil War (1861-1865) by exploring the people, beliefs, and battles that shaped it. The war will be analyzed within the context of slavery, presidential power, states' rights, the future direction of the nation, and historical civil wars from antiquity through the early-nineteenth century.

HIST 372-3 (BC=3)**(3-0-0) 15 weeks****The Prairie West in Canada**

Examine the Prairie region as part of Canada from the end of the fur trade to the present. Analyse the impact of Confederation, Treaty-making, the building of the transcontinental Railway, European settlement, regional identity formation, and relations with the rest of Canada.

Recommended preparation: HIST 374.

HIST 373-3 (BC=3)**(3-0-0) 15 weeks****Canada to 1867**

Examine the land, societies and peoples that would become Canada prior to and during the colonial period. Explore changing relations among Indigenous and colonial powers that preceded the creation of the Dominion of Canada.

HIST 374-3 (BC=3)**(3-0-0) 15 weeks****Canada Since 1867**

Appraise the strategies and tools used to create a state structure across the northern half of North America. Assess the changing impact of political, economic, social, religious factors on the Indigenous, settler, and immigrant populations. Situate Canada within a continental and international context.

HIST 379-3 (BC=3)**(3-0-0) 15 weeks****Indigenous Peoples and Canada**

Differentiate Indigenous Peoples and examine their relation to the land they have occupied since time immemorial. Assess Indigenous relations to settler and immigrant peoples since the colonial period. Analyse the changing social, economic, cultural, spiritual, linguistic effects of colonialism on Indigenous realities.

Recommended preparation: 3 credits in Canadian History.

Human Resource Management

HRM 505-3 (BC=3)**(3-0-0) 15 weeks****Introduction to Human Resources Management**

Develop a foundational understanding of Human Resources Management and its contribution to the organization in meeting strategic goals and objectives. HR issues, policies, procedures and practices related to all HR functions will be examined.

HRM 510-3 (BC=3)**(3-0-0) 15 weeks****Workforce Planning and Talent Management**

Introduction to workforce planning and talent management as critical elements of an effective human resources management strategy. Focus on the strategic value of designing, implementing, and evaluating evidence-based workforce planning and talent management.

Prerequisite: HRM 505.

HRM 515-3 (BC=3)**(3-0-0) 15 weeks****Recruitment and Selection**

Develop an understanding of the recruitment and selection process and its importance to strategic Workforce Planning. Emphasis will be placed on the various aspects influencing recruitment as well as ways to minimize errors in employment selection in order to increase an organization's competitive position.

Prerequisite: HRM 505.

HRM 520-3 (BC=3)**(3-0-0) 15 weeks****Learning and Development**

Gain practical skills to strategically develop an organization's employees by: identifying employee learning needs, developing appropriate programs, and assessing overall effectiveness. Analyze the modern workplace as a learning environment with its associated challenges.

Prerequisite: HRM 505.

HRM 525-3 (BC=3) (3-0-0) 15 weeks Total Rewards Apply frameworks and practical approaches to design, implement and evaluate a total rewards system. Total rewards techniques and considerations to evaluate and balance the strategic goals of the organization with employee needs. Prerequisite: HRM 505.	HRM 545-3 (BC=3) (3-0-0) 15 weeks Accounting and Finance for Human Resources Management Apply conceptual foundations of financial and management accounting to demonstrate how financial information is used in forecasting, budgeting, management and measurement of business operations. Prerequisite: HRM 505.	HRM 562 (BC=1) (0-1-1) (12 hours) 1 week Applications in HR II Integrate and demonstrate knowledge from various human resources functional areas in a face-to-face setting. Build professional network with fellow students, faculty and industry representatives. Gain practical insights on the implementation of human resources. Prerequisite: HRM 510, HRM 515, HRM 520, HRM 525, HRM 561.
HRM 530-3 (BC=3) (3-0-0) 15 weeks Organizational Behaviour Develop an understanding of management concepts, theories of leadership and the impacts of rapid change in an organization. Emphasis is on how organizational success ultimately depends on individual motivational levels, personalities, values, teams, and how the manager effectively plans, leads and manages change to improve performance and commitment. Prerequisite: HRM 505.	HRM 550-3 (BC=3) (3-0-0) 15 weeks Employee Engagement Examine employee engagement as an organization-wide strategy that impacts achievement of mission-related goals, productivity and profitability. Consider factors that positively and negatively influence employee engagement. Identify the role of senior leadership, human resources, supervisors and employees in shaping an engaged workforce. Prerequisite: HRM 505.	HRM 563 (BC=1) (0-1-1) (12 hours) 1 week Applications in HR III Integrate and demonstrate knowledge from various human resources functional areas in a face-to-face setting. Build professional network with fellow students, faculty and industry representatives. Gain practical insights on the implementation of human resources. Prerequisite: HRM 530, HRM 535, HRM 540, HRM 562.
HRM 535-3 (BC=3) (3-0-0) 15 weeks Employee and Labour Relations Explore the intricate balance of management rights and employee needs and the impact of society and politics in that relationship. Consider the influence of unions and how their presence impacts the employer-employee relationship. Prerequisite: HRM 505.	HRM 555-3 (BC=3) (3-0-0) 15 weeks Capstone Apply the knowledge and skills developed throughout the HR Graduate Certificate program to develop a comprehensive HR plan for an organization. Analyze the business issues and requirements of the organization. Present recommended solutions and provide rationale to resolve the business issues, drawing from relevant theory and research. Prerequisite: Successful completion of all previous courses in Certificate.	HRM 564 (BC=1) (0-1-1) (12 hours) 1 week Applications in HR IV Integrate and demonstrate knowledge from various human resources functional areas in a face-to-face setting. Build professional network with fellow students, faculty and industry representatives. Gain practical insights on the implementation of human resources. Prerequisite: HRM 555.
HRM 540-3 (BC=3) (3-0-0) 15 weeks Occupational Health and Safety in the Workplace Develop knowledge of occupational health and safety legislation, issues and programs. Review strategies and techniques used by HR professionals to become actively involved in health and safety in the workplace: hazard assessments and controls, WHMIS, ergonomics, emergency response planning, incident investigation and promoting health and wellness in the workplace. Prerequisite: HRM 505.	HRM 561 (BC=1) (0-1-1) (12 hours) 1 week Applications in HR I Integrate and demonstrate knowledge from various human resources functional areas in a face-to-face setting. Build professional network with fellow students, faculty and industry representatives. Gain practical insights on the implementation of human resources. Prerequisite: HRM 505.	

Indigenous Studies

INDS 205-3 (BC=3) (3-0-0) 15 weeks Indigenous Peoples in Canada Introduction to the historical and contemporary contexts and experiences of Indigenous Peoples in Canada with specific focus on Alberta. Introduction to the way Indigenous languages shape understanding and experiences. Introduces colonialism, cultural and political re-emergence, Indigenous and Non-Indigenous relations, and reconciliation.
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Instrumentation Engineering Technology

Note: IET courses are open to Engineering Technology students only.

IET 115-3 (BC=4) (3-0-2/2) 15 weeks

Process Measurements I

Recognize the concepts necessary to perform work in hazardous areas. Describe the operation of pneumatic instrumentation devices. Analyze problems associated with instrument loops and pressure and level instruments. Prerequisite: IET 135, IET 145.

IET 120-3 (BC=4) (3-0-2/2) 15 weeks

Process Control I

Analyze basic concepts of industrial process control. Identify equipment in a process control loop, methods used to achieve process control, fundamental control algorithms, controller tuning and stability. Prerequisite: GET 129, IET 137, IET 135. Corequisite: IET 115.

IET 130-3 (BC=4) (3-0-0) 15 weeks

Industrial Chemistry

Inorganic and organic chemistry concepts and principles related to industrial chemistry.

IET 135-3 (BC=4) (3-0-2/2) 15 weeks

Technology Physics

Explore engineering problems in kinematics, dynamics, electromagnetic and mechanical waves, conservation laws, rate of flow in pipes, pressure, and heat transfer.

IET 140-3 (BC=4) (3-0-2/2) 15 weeks

Electrical Circuits

Analysis of electrical DC circuits, AC circuits, basic concepts of number systems and Boolean algebra.

IET 145-3 (BC=4) (2-0-2/2) 15 weeks

Instrumentation Shop and Safety

This course teaches the use of appropriate hand tools, power tools and safety practices in a typical instrumentation shop.

IET 150-3 (BC=4) (3-0-2/2) 15 weeks

Applied Electronics

Basics of semiconductors, electrical power transmission, and control of motors. Prerequisite: EET 110.

IET 205-3 (BC=4) (3-0-2/2) 15 weeks

Industrial Networking

In-depth coverage of networking technologies, topologies, and protocols and integration of different network protocols in industrial environment. Prerequisite: IET 140.

IET 210-3 (BC=4) (3-0-2/2) 15 weeks

Industrial Information Systems

Examine network architectures and technologies associated with the acquisition and management of industrial data. Introduction to open-protocol data transport and geographical information systems. Prerequisite: IET 205.

IET 215-3 (BC=4) (3-0-2/2) 15 weeks

Process Measurements II

Explore pressure level and temperature measurement methods, including calibration of transmitters and how measurement signals are generated. Learn related terminology and formulas. Prerequisite: IET 115. Corequisite: IET 120.

IET 216-3 (BC=4) (3-0-2/2) 15 weeks

Process Measurements III

Troubleshoot, commission, install and maintain instruments for flow, density, and storage vessel measurement. Prerequisite: IET 215. Corequisite: IET 230.

IET 220-3 (BC=3) (3-0-2/2) 15 weeks

Process Control II

Design and implement advanced control strategies to deal with different types of process disturbances and complex industrial processes. Prerequisite: IET 120, IET 115. Corequisite: IET 125, IET 215.

IET 221-3 (BC=4) (3-0-2/2) 15 weeks

Process Control III

Design and implement advanced control strategies to deal with excessive process disturbances and complex industrial processes. Prerequisite: IET 220.

IET 225-3 (BC=4) (3-0-2/2) 15 weeks

Analyzers I

Examine the fundamentals of operating, troubleshooting and commissioning of liquid and gas analytical instruments. Prerequisites: IET 130, IET 115, IET 215.

IET 226-3 (BC=4) (3-0-2/2) 15 weeks

Analyzers II

Assess, calibrate, and validate industrial analyzers used for air quality, moisture, stack emissions, sampling systems, vibration, and composition of a process stream. Prerequisites: IET 225, GET 202.

IET 228-3 (BC=4) (3-0-2/2) 15 weeks

Electric & Fluid Power Systems

Fundamental theory, analysis, and application of common instrumentation-based electrical circuits. Operational theory and application of fluid power control systems. Prerequisite: GET 101, GET 103.

IET 230-3 (BC=3) (3-0-2/2) 15 weeks

Instrumentation Design

Design, select and size instruments and valves for an industrial project. Illustrate project management techniques, in a team, to create an instrumentation engineering package. Prerequisite: IET 215. Corequisite: IET 216.

IET 235-3 (BC=4) (3-0-2/2) 15 weeks

Reliability Based Maintenance

Apply the principles and practices of reliability-centred maintenance. Identification of safety practices and standards, planning for routine, one-time, and systems change management, application of failure detection, analysis, and prevention. Prerequisites: IET 125, IET 130, IET 216, GET 202.

IET 240-3 (BC=3)**(3-0-0) 15 weeks****Capstone Project**

Research and compile a technical report on a technical problem. Demonstrate project management skill set for an Instrumentation Engineering Technology graduate.

Prerequisites: Completion of all Term 3 courses.

IET 250-3 (BC=3)**(3-0-2/2) 15 weeks****Analyzers**

Describe, validate and calibrate industrial analyzers used to measure the following: water quality, physical properties, composition, air quality, humidity and vibration.

Prerequisite: IET 130, IET 215.

IET 255-3 (BC=4)**(3-0-2/2)****Programmable Logic Controllers**

Examine functions, hardware, software, programming, and interfacing of Programmable Controllers in a production environment. Learn digital logic concepts, LD, FBD, SFC and ST programming.

Prerequisite: GET 114.

IET 260-3 (BC=3)**(3-0-2/2) 15 weeks****Process Operations**

Explore process equipment used in chemical plants, petrochemical plants, and pulp mills with regard to basic operation and design.

Prerequisites: IET 120, IET 115.

Corequisite: IET 215.

IET 265-3 (BC=3)**(3-0-2/2) 15 weeks****SCADA HMI and DCS**

Examine the main concepts, communication protocols, software, hardware, and the interface technology used in remote monitoring, data collection, and control of industrial processes. Implement interactive Human-Machine Interface (HMI) screens.

Prerequisite: IET 205, IET 220, GET 114, IET 105.

Interdisciplinary Studies

Note: Courses in interdisciplinary studies will normally be 'team taught' by members of different disciplines.

Note: Not all courses listed may be offered. Check Course Timetable for availability.

GNE 1102-3 (BC=3)**(3-0-0) 15 weeks****Controversies in Science**

Introduction to scientific and mathematical knowledge and its role in society. The scientific method, the role of mathematics and statistics as reasoning tools in the analysis of scientific controversies. Researching, evaluating, and writing about science.

Note: This is an MRU course offered to MRU BBA students only.

GNE 1203-3 (BC=3)**(3-0-0) 15 weeks****Cultural Perspectives on Science**

This course introduces science as a cultural activity with the goal of developing critical thinking and writing skills. Students will learn to be conversant with some of the issues and debates concerning how science, technology, or medicine have shaped and continue to shape beliefs, values, and identities in our world.

Note: This is an MRU course offered to MRU BBA students only.

GNE 1301-3 (BC=3)**(3-0-0) 15 weeks****Citizenship Without Borders**

Students will gain a broad overview and understanding of issues related to global interaction and global interconnectedness. The complex concept of "globalization" will be analyzed through interdisciplinary perspectives and students will be encouraged, through debating key issues, to be active global citizens. Instructors may approach the course through the use of specific thematic structures.

Note: This is an MRU course offered to MRU BBA students only.

INTD 240-3 (BC=3)**(3-0-0) 15 weeks****Integrated Arts Approach to Movement**

Application of physical education emphasizing the connection between creative expression through the mediums of art, music, drama, dance and wellness as it applies to work with diverse clients with multiple needs. Provides students with creative alternatives to maximize the quality of life for clients broadening their outlook on the connection between creativity and wellness in physical education.

INTD 241-3 (BC=3)**(3-0-0) 15 weeks****Wellness & Lifestyle Management**

This course introduces the student to concepts of health, wellness and fitness, providing practical strategies for developing and maintaining a healthy lifestyle. Students, through lectures, practical experience and self-evaluation will address personal wellness in the areas of fitness, nutrition, stress management and self-responsibility. The course serves to assist the student in self-empowerment by developing and promoting healthy eating, attitudes of physical activity and behaviors for themselves and others.

INTD 301-5 (BC=5)**(2-0-14) 2 weeks****Cultural Immersion**

The focus of this course is to develop cross-cultural competencies through immersion in an international setting or selected domestic location. Interagency collaboration and practical experience with an emphasis on global issues and their impact on health in regions with middle or low income populations will be the focus of this course.

Recommended prerequisites: Any 200 level university transfer course.

INTD 311-3 (BC=3)**(3-0-0) 15 weeks****Place, Environment and Health**

An introduction to the geography of health providing a spatial understanding of population health focusing on the determinants of health, the provision of healthcare services and the role of place and environment in contemporary health challenges.

Prerequisites: Any 200 level university transfer course.

INTD 321-3 (BC=3)
(3-1) 15 weeks
Contemporary Art in Process I

20th century trends in music, drama, visual art, dance, and creative writing. The course involves individual and group work by way of studying, being exposed to, and applying these disciplines. There are both evening performances and presentations and day classes. Limited to second and/or third year students.

INTD 322-3 (BC=3)
(3-1) 15 weeks
Contemporary Art in Process II

INTD 321 continued.

Prerequisite: INTD 321 or consent of instructor.

INTD 325-3 (BC=3)
(3-0-0) 15 weeks
Mindfulness, Meditation & the Body

Introduction to contemplative practices with a focus on secular meditation and mindful body work. Topics include various contemporary practices, the influence of neuroscience, impact on professions, brain health, and how practices benefit clients/patients/employees/students and self.

Prerequisite: Any 200 level course.

INTD 370-3 (BC=3)
(3-0-0) 15 weeks
Intersections of Global Health

Utilize a variety of interdisciplinary/interprofessional/intersectoral perspectives to explore major global health trends, issues and contributing factors as well as sustainable strategies/solutions that work toward the promotion of global health.

Prerequisite: Any 200 level course or consent from the instructor.

INTD 375-3 (BC=3)
(3-0-0) 15 weeks
Social Gerontology

Integrate interdisciplinary perspectives on social gerontology. Examine issues associated with aging in Canadian society. Explore healthy aging from a variety of perspectives and disciplines.

Prerequisites: Any 200 level university transfer course or consent of the department.

INTP 102-4 (BC=4)
(4-0-0) 15 weeks
Healthcare Anatomy and Physiology

Explore basic biological structures and functions of the human body using a systems approach. Develop understanding of the significance of interrelationships between systems. Consider specific applications relevant to various health disciplines. Use of medical terminology will be emphasized.

Note: Pre-Health Sciences Certificate students must have successfully completed HSCI 115 prior to taking this course.

INTP 104-3 (BC=3)
(2-0-2) 15 weeks
Healthcare Communication I

Develop verbal and non-verbal communication and active listening skills relative to professional health care relationships and situations. Interprofessional collaboration is introduced by identifying roles, team functioning, leadership, communication, conflict resolution, and client centered care.

INTP 105-3 (BC=3)
(2-0-2) 15 weeks
Healthcare Communication II

Application of advanced communication strategies to healthcare settings with a client-centered, inter-professional focus.

Prerequisite: INTP 104.

INTP 201-3 (BC=3)
(3-0-0) 15 weeks
Interprofessional Leadership

Examine current leadership issues, trends, theory, and practice to facilitate the development of the knowledge, skills, and attributes required of a leader to envision change and enable optimal health outcomes from a collaborative inter-professional perspective.

Prerequisite: PHT 140 or PN 258.

INTP 301-1 (BC=1)
(0-0-2) 7 weeks
Competency Screen

Provides an opportunity for nursing applicants to practice and demonstrate previously attained knowledge and skills from an approved Nursing Program. This assessment will partly determine placement within a RDC Nursing Program.

INTP 303-3 (BC=3)
(0-3-4) 7 weeks
Competency Development

Refine and develop knowledge, skills and abilities required for nursing practice in clinical settings. Promote and practice client and student safety through demonstration of skills, knowledge, attitudes, behaviour and sound decision-making.

International Business

Note: Not all courses listed may be offered. Check Course Timetable for availability.

INTB 410 – 3 (BC=3)
(3-0-0)
Managing Cultural Difference

Learn to apply culturally sensitive models of business communication to build effective business relationships by analyzing cultural values of various world cultures, identifying issues of social organization, addressing dynamics of intercultural communication, and negotiating across cultures to assess the impact on conducting international business.

INTB 415 – 3 (BC=3)
(3-0-0)
International Marketing Management

Learn the principles of international marketing by conducting both quantitative and qualitative research into and analyzing marketing opportunities in foreign markets. Develop marketing plans appropriate to global marketplace. Make product planning, pricing and promotion decisions within an international context and identify distribution structures required to plan market entry strategies.

INTB 420 – 4 (BC=4)
(4-0-0)
Financing International Trade

Examine the field of international trade finance. Key topics include trade finance products and services, payment, risk analysis and management, exchange rates, cash flow planning, export credit agencies, and international financial institutions.

INTB 425 – 4 (4-0-0) International Trade Logistics Develop a comprehensive plan for the movement of goods and services between countries to gain a competitive advantage. Topics include supply chain management, warehouse management, shipment consolidation and containerization, inter-modal transportation management, commercial and government documentation, regulatory compliance, health and environment issues, transportation and customs clearance.	(BC=4)	INTB 450 - 6 (Optional) (270 hours) 7 weeks International Practicum <i>*Eligible students can acquire work experience in the international business field through practicum following completion of the academic portion of the program. These training experiences give students an ideal way to apply what they have learned in class and also explore different potential career paths.</i> <i>*Available only to students who have passed all 10 courses with a minimum cumulative GPA of 3.0, with no grade below C in any of the courses. Practicum placements are not guaranteed.</i>	(BC=6)	JUST 115-3 (3-0-0) 15 weeks Corrections Introduction to the development and operation of correctional practices in Canada. Introduces the experiences of incarcerated persons and correctional staff. Examines the experiences of specific groups of incarcerated populations. Examines diverse case management and treatment practices. Investigates functions and dysfunctions of corrections and current issues and reform initiatives. Prerequisite: JUST 100.	(BC=4)
INTB 430 – 3 (3-0-0) Legal Aspects of International Trade Understand the legal environment of international trade, in particular global trade agreements, international contracts and partnerships, intellectual property law, E-commerce, legal aspects concerning transportation of goods, and Canadian business and contract law.	(BC=3)	<hr/> <h2>Justice Studies</h2>			
INTB 435 – 4 (4-0-0) International Trade Research Understand the research process, including defining objectives and identifying, collecting, analyzing, and presenting data. Evaluate import and export opportunities, source market information. Apply research and intelligence from various sources to international trade strategies.	(BC=4)	JUST 100-3 (3-0-0) 15 weeks The Canadian Justice System Examine and analyse patterns of crime and victimization; police operations, discretion and decision making; the criminal courts, including sentencing; the corrections systems, including correctional institutions and community-based models within the context of the structure and operation of the Canadian criminal justice system.	(BC=4)	JUST 106-1 (0-3-0) 15 weeks Professional Seminar II Develop professional practice through the integration of knowledge, skills, and values required of professionals within justice-related fields. Continued focus on self-care, wellness, physical fitness, professional documentation standards, and clarifying personal values. Prerequisite: JUST 105.	(BC=2)
INTB 440 – 4 (4-0-0) International Trade Management Learn how to manage in a global economy. Topics include managing for international competitiveness and international risk, managing strategic alliances, and managing a multinational workforce.	(BC=4)	JUST 105-1 (0-3-0) 15 weeks Professional Seminar I Introduction to professional practice through integration of knowledge, skills, and values required of professionals within justice-related fields. Explore self-care, wellness, physical fitness, professional documentation standards, and personal values clarification. Corequisites: JUST 100, ENGL 219.	(BC=2)	JUST 200-3 (3-0-0) 15 weeks The Justice System and Indigenous Canadians Examine relationships between Indigenous Peoples in Canada and the Justice System including the impact of language and structural factors. Explore Indigenous systems of justice and the connection between reconciliation and the Justice System. Prerequisite: INDS 105, JUST 100.	(BC=4)
INTB 445 – 3 (3-0-0) International Market Entry Strategies Understand how to select, assess, and execute a market entry and exit strategy. Develop and write a strategic international business plan for a specific product or service. Understand and overcome barriers to entry. Learn how to find the right partner and create a partnership agreement and how to manage an international business operation.	(BC=3)	JUST 110-3 (3-0-0) 15 weeks Canadian Criminal Law Investigation of the nature, purpose, scope, sources, and basic principles of the Canadian criminal justice system. Study of the basic elements of a criminal offence and certain major defences. Examination of other statutes that impact on criminal law. Examination of issues in sentencing, victims' rights and emerging criminal justice issues. Prerequisite: JUST 100.	(BC=4)	JUST 205-1 (0-3-0) 15 weeks Professional Seminar III Develop professional practice through integration of knowledge, skills and values required of the professionals within justice-related fields. Career preparation, technical writing, employability, communication skills and preparation for practicum are emphasized. Develop self-care, wellness, physical fitness, professional documentation standards, and clarifying personal values. Prerequisite: JUST 106. Corequisite: JUST 215.	(BC=2)

JUST 206-1 (BC=2)**(0-3-0) 15 weeks****Professional Seminar IV**

Apply professional practice knowledge, skills and values developed through professional seminars. Career preparation, technical writing, employability, communication skills and preparation for practicum are emphasized.

Prerequisite: JUST 205.

JUST 210-3 (BC=4)**(3-0-0) 15 weeks****Conflict Resolution**

Examine the dynamics of conflict and conflict management. Concepts and practices of managing conflict within individual lives, the community justice field, and the larger societal context are introduced through application of philosophy, and using techniques to address and manage conflict on a societal, institutional and individual level.

JUST 215-3 (BC=4)**(3-0-0) 15 weeks****Community Justice Initiatives**

Introduce the various restorative justice/crime prevention initiatives available in Alberta, and what roles these initiatives play in communities. Students focus on the roles of community justice initiatives such as restorative justice, victim-offender mediation, victim services, crime prevention organizations, crime response organizations, and vigilantism.

Prerequisite: JUST 100.

Corequisite: JUST 205.

JUST 220-3 (BC=4)**(3-0-0) 15 weeks****Gender and the Justice System**

Examine the intersection of gender, ethnicity, and class in terms of victimization, offending, and working within the justice system.

Prerequisite: JUST 100.

JUST 225-4 (BC=5)**(180 hours) 15 weeks****Practicum**

Introduce students to work placement in a justice setting. Application of in-class learning to a workplace setting, including building professional relationships and ethical conduct.

Prerequisite: JUST 205.

Kinesiology and Sport Studies

Note: Not all courses listed may be offered. Check Course Timetable for availability.

A. Kinesiology & Sport Studies Courses**KNSS 200-3 (BC=4)****(3-0-2) 15 weeks****Structural Anatomy**

Study of human structure including the systems of the body with emphasis on those involved in human movement. Laboratory work includes the use of various learning tools.

Prerequisite: Biology 30 recommended.

Note: Successful completion of this course with a minimum C+ will satisfy requirements for NURS 215.

KNSS 201-3 (BC=3)**(3-0-0) 15 weeks****Biomechanics**

Qualitative analysis of human movement, using biomechanical principles. Principles are based on basic physics and mathematical laws and theories which are transferred to real world situations to improve motor performance in humans.

KNSS 202-3 (BC=4)**(3-0-2) 15 weeks****Physiology of Exercise**

Examination of how the human body physiologically responds to exercise. The lecture and laboratory experiences are designed to promote a theoretical and practical understanding of the acute and chronic adaptations to the human body with the implementation of a variety of exercise modes.

Prerequisite or Corequisite: PSIO 258/259.

KNSS 203-3 (BC=3)**(3-0-0) 15 weeks****Skill Acquisition and Performance**

Theory of skill acquisition, motor learning, and performance in a variety of sports, physical activities, and recreation.

KNSS 204-3 (BC=3)**(3-0-0) 15 weeks****Introduction to Sociocultural Foundations of Physical Education, Leisure and Sport.**

Study of the nature, function and role of play, physical education, recreation, leisure, and games as a basis for understanding the sociocultural foundations of sport and how contemporary society organizes and transfers attitudes and skills.

KNSS 205-3 (BC=3)**(3-0-0) 15 weeks****History of Sport**

Development of the Olympic Sport Movement and the history of sport and leisure in Canada from colonial times to present providing a foundational understanding of the historical development of sport. Topics will include the historical effect and changes in professionalization, gender roles, culture, Olympic games structure and socialization in Canadian sport and leisure.

Prerequisite: KNSS 204.

KNSS 209-3 (BC=3)**(3-0-0) 15 weeks****Measurement and Evaluation**

Methods and techniques for evaluating physical activity programs and participants. Applying tests and measurement in a variety of sport community and institutional settings.

KNSS 210-3 (BC=3)**(2-0-2) 15 weeks****Personal Fitness and Wellness**

An exploration and application of the foundations of health, wellness and fitness from a personal perspective. Theory and practical strategies are used to empower the student in developing a healthy active lifestyle.

KNSS 214-3 (BC=4)**(3-0-1) 15 weeks****Introduction to Personal Physical Fitness**

Examination and application of the foundations of physical fitness, with emphasis on the knowledge and understanding of basic concepts and methods of physical fitness and active living.

KNSS 220-3 (BC=3) (3-0-1.5) 15 weeks Introduction to Athletic Therapy Athletic therapy in theory and practice. Sports medicine, care and prevention of injuries, and safety in athletics and physical education. Prerequisite: KNSS 200.	KNSS 260-3 (BC=3) (3-0-0) 15 weeks Introduction to Coaching Theory Introduction to coaching theory focusing on theoretical and practical coaching topics including ethical decision-making, practice planning, basic mental skills, teaching and learning. Note: This course meets the standards of N.C.C.P. Part A & Part B. Introduction to Competition.	KNSS 306-3 (BC=3) (3-0-0) 15 weeks Values and Ethics in Adapted Physical Activity Exploration of the issues affecting the lives of marginalized individuals and communities. Defining and challenging historical moments, current issues, theories and practices in the area of adapted physical education and rehabilitation. Insight into the key values that guide professional practice for rehabilitation professionals and the fundamental ethical practices in adapted physical activity. Prerequisite: KNSS 240 or consent of the department.
KNSS 240-3 (BC=4) (3-0-1.5) 15 weeks Adapted Physical Education Current trends, theory and practice in adapted physical activity including an overview of possible changes to task, environment and instruction as it relates to individuals with a disability.	KNSS 270-3 (BC=3) (2-0-2) 15 weeks Leadership and Instruction in Physical Activity Leadership, communication, instructional skills and development are explored on an individual and group basis and applied to a variety of settings and activities.	KNSS 307-3 (BC=3) (3-0-0) 15 weeks Growth and Development Growth and development using a lifespan approach stressing changes in physical growth and motor development with emphasis on individual differences.
KNSS 244-3 (BC=3) (3-0-0) 15 weeks Introduction to Nutrition Overview of normal nutritional requirements, physiological functions and food sources. Examination of the importance of nutritional adequacy for optimal health and in disease prevention including evaluation of nutritional issues and nutritional status. Note: Not to be taken by students with credit in KNSS 224.	KNSS 280-3 (BC=4) (3-0-1) 15 weeks Introduction to Outdoor Education Concepts and experiences in outdoor education and leadership are explored through a four day fall camp held during the fourth week of August followed by weekly lectures. (See course notation in the Kinesiology & Sport Studies Program Description of the Academic Calendar.	KNSS 312-3 (BC=3) (3-0-0) 15 weeks Research Methods in Kinesiology Introduces research methods and design used in kinesiology. Focus on evaluation and analysis of research studies, qualitative, quantitative and mixed research methods with focus on kinesiology context. Prerequisite: KNSS 209.
KNSS 250-3 (BC=3) (3-0-0) 15 weeks Introduction to the Administration of Sport, Physical Activity, and Recreation Programs Management concepts required to successfully administer a sport, physical activity, or recreation program. Tournament building/planning and event management are reinforced through practical learning experiences.	KNSS 285-3 (BC=3) (3-0-0) 15 weeks Physical Activity and Aging Examination of the biological, psychological and sociological aspects of aging and their application in developing activities and working with older adults. Emphasis will be given to the role of physical activity and its impact on aging.	KNSS 340-3 (BC=3) (3-0-0) 15 weeks Pedagogies in Adapted Human Movement Application of different pedagogical approaches to teach human movement required in adapted physical education settings. Knowledge and experience will be gained working with individuals in diverse populations through a community service learning approach. Prerequisite: KNSS 240.
KNSS 253-3 (BC=3) (3-0-0) 15 weeks Psychological Sport Performance Introduction to sport psychology and mental performance focusing on understanding human behavior in physical activity and sport. This course examines the perspectives of sport psychology in conjunction with personality and social psychology.	KNSS 299-3 (BC=3) (1.5-0-0) 30 weeks Directed Studies in Kinesiology and Sport Studies Participation in applied practical experiences through the completion of a cooperative work experience of 90 to 100 hours plus 45 hours of seminars over 30 weeks or two academic terms. Prerequisite: Consent of Chairperson.	KPED 292-3 (BC=4) (3-0-1.5) 15 weeks Introduction to Elementary School Physical Education This course provides theoretical and practical experiences in teaching and planning physical education. Emphasis is on physical literacy and developmentally appropriate activities for elementary school aged children 5-12.

KPED 294-3 (BC=3)
(3-0-0) 15 weeks
Introduction to the Movement Activities of Youth, Part I

A wide range of physical activities and important underlying concepts. Emphasis is on understanding concepts which relate to games, skills, and activities.

KPED 295-3 (BC=3)
(3-0-0) 15 weeks
Introduction to the Movement Activities of Youth, Part II

Emphasis is on individual activities in a range of settings.

Prerequisite: KPED 294.

KPED 309-3 (BC=3)
(3-0-0) 15 weeks
Introduction to the Scientific Basis of Human Movement

Structure, function, and capacities of the human body as they relate to movement.

Note: Not for Kinesiology degree credit.

B. Dance Courses
KDNC 200-3 (BC=3)
(3-1) 15 weeks
The Spectrum of Dance in Society

Theory and practice of dance as a human physical activity. Focus will be on the aesthetic, expressive, and rhythmical aspects of movement in a culture's artistic and social life. Movement content, techniques, improvisation, and composition in a variety of dance forms.

KDNC 255-1.5 (BC=2)
(2-1) 15 weeks
Social Dance

Theory and practice for individuals and partners in the foxtrot, waltz, swing, rumba, cha cha, and additional dances.

KDNC 260-1.5 (BC=2)
(2-1) 15 weeks
Jazz Dance

Theory and personal skill in body awareness and placement, locomotion, and choreographed jazz dance.

KDNC 340-3 (BC=3)
(3-0-0) 15 weeks
Modern Dance

Theory and practice in creative dance technique, improvisation, and composition.

C. Physical Activity Courses

Physical activity is the primary means physical educators use to help others attain well-being and personal fulfillment. As a Kinesiology and Sport Studies student, or an Education student with a P.E. major or minor, you need to take part in and appreciate a variety of activities, from your own and other cultures, to better meet the leisure and work needs of your clients. You will develop a personal foundation of physical activity, including appreciation, skill, analytical understanding, and knowledge about different activities. Physical activity is the "physical" in physical education.

KPAC 200-3 (BC=3)
(3-0) 15 weeks
Swimming

Theory and practice in the front and back crawl, breast stroke, side stroke, and elementary back stroke. Other aquatic skills.

KPAC 211-3 (BC=3)
(3-0) 15 weeks
Basketball

Theory and practice in individual and team activities.

KPAC 214-3 (BC=3)
(3-0) 15 weeks
Ice Hockey

Technical and introductory tactical components of the game of ice hockey are presented. Emphasis will be placed on improving both technical skills and coaching expertise. Students are eligible for Hockey Canada Coach Level and Developmental Level Certification.

KPAC 218-3 (BC=3)
(3-0) 15 weeks
Soccer

Theoretical and practical aspects of the game of soccer at an introductory level including the four basic soccer skills: control, dribbling, passing and shooting. Introduction to goalkeeping and transferring these skills into small sided games. Adaptation of skills to indoor, outdoor and special needs variations will also be covered.

KPAC 231-3 (BC=3)
(3-0) 15 weeks
Badminton

Theory and practice in service and service return, forehand and backhand drive, clear and smash, drop shots, basic tactics, and officiating. (Must supply own equipment.)

KPAC 233-1.5 (BC=2)
(2-1) 15 weeks
Racquetball/Squash

Theory and practice in service and service return, forehand and backhand strokes, and basic tactics. (Must supply own equipment.)

KPAC 235-3 (BC=3)
(3-0) 15 weeks
Tennis

Theory and practice in service and service return, forehand and backhand strokes, approach shots, volley, lob, and basic tactics. (Must supply own equipment.)

KPAC 237-3 (BC=3)
(3-0) 15 weeks
Volleyball

Theory and practice in individual and team activities.

KPAC 240-1.5 (BC=2)
(2-1) 15 weeks
Baseball/Fastball

Theory and practice in individual and team activities.

KPAC 245-3 (BC=3)
(3-0) 15 weeks
Golf

Theory and practice in driving, chipping, pitching, and putting. A fee may be charged for green and range fees.

KPAC 255-3 (BC=3)
(3-0) 15 weeks
Yoga for Beginners

Introduction to fundamental yoga postures and development of a basic understanding of yoga theory as it pertains to health and wellness. Focus will be given to the different schools of Hatha Yoga, primarily on Ashtanga Yoga, emphasizing progressive practice of selected yoga asanas.

KPAC 260-1.5 (BC=2)
(2-1) 15 weeks
Gymnastics

Theory and practice in the basic movements common to all forms of gymnastics.

KPAC 270-1.5 (BC=2) (2-1) 15 weeks Track and Field Theory and practice in sprints, long jump, shot put, hurdles, high jump, discus, distance running, triple jump, javelin, and pole vault.	KPAC 314-3 (BC=3) (3-0-0) 15 weeks Analysis and Instruction of Ice Hockey Advanced theory of the game of Ice Hockey is emphasized. Included are on-ice skills development and the practice of on-ice tactics and multiple player strategies. (Must supply own equipment). Prerequisite: KPAC 214 or consent of Department. Note: You must have the minimum skating ability of an average hockey player.	LEGL 110-3 (BC=3) (3-0-0) 15 weeks Litigation I Introduction to civil litigation including the legal system, structure of a lawsuit, Rules of Court, commencing an action by Statement of Claim and Default Judgments.
KPAC 281-1.5 (BC=2) (2-1) 15 weeks Cross Country Skiing Personal skill development in diagonal striding, double poling, skating, christy and telemark. Note: One day trip will be scheduled on a weekend during the course.	KPAC 321-3 (BC=3) (3-0-0) 15 weeks Applied Resistance Training Examination and application of fundamental and specific principles associated with resistance training methodologies.	LEGL 115-3 (BC=3) (3-0-0) 15 weeks Litigation II Examination of the Defendant's choices in a contested lawsuit. Includes torts and how matters proceed to trial when settlements are unsuccessful. Prerequisite: LEGL 110.
KPAC 290-3 (BC=3) (3-0) 15 weeks Metabolic Conditioning Develop knowledge and training in cardiovascular fitness through aerobic and anaerobic conditioning.	KPAC 337-3 (BC=3) (3-0-0) 15 weeks Analysis and Instruction of Volleyball Theory, practice, and teaching of basic skills. Emphasis is on acquiring skills and basic team systems. Prerequisite: KPAC 237 or consent of Department.	LEGL 120-3 (BC=3) (3-0-0) 15 weeks Corporate Law Discuss Alberta business structures and legal procedures. Create a corporation, maintain a minute book, and complete the annual requirements for the corporation.
KPAC 296-3 (BC=3) (3-0) 15 weeks Flexibility and Relaxation Study of flexibility and relaxation, in relation to overall fitness and personal well being, through physiological, historical, biomechanical, individual, cultural and leadership perspectives. Exploration of practical methods to include this knowledge into personal life and leadership training.		LEGL 125-2 (BC=2) (2-0-0) 15 weeks Contracts Identify and describe the components of a contract, common problems and remedies. Prerequisite: LEGL 105.
KPAC 310-3 (BC=3) (3-0-0) 15 weeks Aquatics The development of proficiency in swimming, understanding of scientific principles applied to performance and analysis of aquatic skills, development of teaching skills, and understanding and application of lifesaving theory and resuscitation. Prerequisite: Red Cross Blue Level (Level 6) or ability to swim front crawl and back crawl efficiently.	<hr/> <h2>Legal Assistant</h2> <p>(Open to Legal Assistant students or with consent of the Department.)</p> <p>Note: Not all courses listed may be offered. Check Course Timetable for availability.</p>	LEGL 130-3 (BC=3) (3-0-0) 15 weeks Real Estate I Introduction to the Land Titles system and types of ownership. Prepare documents for a residential sale.
KPAC 311-3 (BC=3) (3-0-0) 15 weeks Analysis and Instruction of Basketball Theory, practice, and teaching of the fundamental skills of basketball. Prerequisite: KPAC 211 or consent of Department.	LEGL 100-3 (BC=3) (3-0-0) 15 weeks Keyboarding I Beginning keyboarding skills including touch keying with no key watching. Emphasis on building skills through proper technique.	LEGL 135-3 (BC=3) (3-0-0) 15 weeks Keyboarding II Demonstrate accuracy and speed building in keyboarding skills, including transcription work and document production for the creation of business forms, legal documents, and correspondence. Prerequisite: LEGL 100.
	LEGL 105-1 (BC=1) (1-0-0) 15 weeks Canadian Legal System Identify the operation and various roles in the Canadian legal system, including the processes and institutions involved in making laws.	LEGL 140-3 (BC=3) (3-0-0) 15 weeks Information Processing I Introduction to software and computer technologies required for the preparation of legal documents.

LEGL 145-2 (BC=2)
(2-0-0) 15 weeks**Criminal Law**

The principles and administration of criminal law using the Criminal Code of Canada and the Charter of Rights and Freedoms.

LEGL 200-3 (BC=3)
(3-0-0) 15 weeks**Professional and Interpersonal Skills**

Demonstrate professional skills and behaviours, including interpersonal and intrapersonal skills, ethics, and conflict resolution. Practice job search skills.

LEGL 205-3 (BC=3)
(3-0-0) 15 weeks**Estate Planning**

Prepare Wills, Enduring Powers of Attorney, Personal Directives, and applications for a Guardian and Trustee, including the distribution of an estate when a person dies without a Will.

LEGL 210-3 (BC=3)
(3-0-0) 15 weeks**Litigation III**

Complete the documents required for the collection of judgments, including writs, garnishment and seizures, and Chamber applications.

Prerequisite: LEGL 115.

LEGL 215-3 (BC=3)
(3-0-0) 15 weeks**Litigation IV**

Complete documents for a variety of Chamber Applications.

Prerequisite: LEGL 210.

LEGL 220-3 (BC=3)
(3-0-0) 15 weeks**Information Processing II**

Application of advanced word processing concepts, communication, scheduling, spreadsheets, and law office accounting software.

Prerequisite: LEGL 140.

LEGL 225-3 (BC=3)
(3-0-0) 15 weeks**Estate Administration**

Prepare documentation for the transfer of a deceased's estate to beneficiaries based on the Surrogate Court Rules. Includes applications for Probate and Administration. Prerequisite: LEGL 205.

LEGL 230-3 (BC=3)
(3-0-0) 15 weeks**Commercial Law**

Introduction to the purchase and sale of a business including Master Sales Agreement, sale of shares, sale of assets, and commercial financing.

Prerequisite: LEGL 120 and LEGL 230.

LEGL 233-3 (BC=3)
(3-0) 15 weeks**Commercial Law**

Introduction to the purchase and sale of a business including: Master Sales Agreements, sale of shares, sale of assets, the Alberta Personal Property Registry system and commercial financing.

Prerequisites: LEGL 120 & LEGL 230.

LEGL 235-3 (BC=3)
(3-0-0) 15 weeks**Real Estate III**

Complete condominium sale, farmland sale, and residential purchase with varying financing documentation.

Prerequisite: LEGL 230.

LEGL 240-3 (BC=3)
(3-0-0) 15 weeks**Family Law**

Prepare documentation for an application for parenting, divorce and a separation agreement using applicable statutes. Recognize issues regarding support, custody, access, and also alternative dispute resolution methods.

Prerequisites: LEGL 110, LEGL 115 and LEGL 210.

LEGL 245-3 (BC=3)
(3-0-0) 15 weeks**Technology Integration**

Application of advanced computer applications using a case-based approach to cloud computing, spreadsheets, databases, and specific law office software.

Prerequisite: LEGL 220

LEGL 250-3 (BC=3)
(15 hrs class/175 hrs practicum) 6 weeks**Practicum**

Prepare for, and complete, 175 hours of full-time practicum experience as a Legal Assistant.

Prerequisite: Completion of all other requirements with a GPA of 2.0.

Management

Note: Not all courses listed may be offered. Check Course Timetable for availability.

MGMT 210-3 (BC=3)
(3-0) 15 weeks**Project Management**

This course introduces students to project management. Content includes concepts, principles, and the inputs, outputs, tools and techniques necessary to take the project from inception to completion. Students will learn, using PMBoK (Project Management Body of Knowledge), how to initiate a project, plan for its completion, monitor and control the project during implementation, and closing the completed project. Projects will be developed that are industry specific and will be used to allow students to take a project from inception to completion.

Credit will not be granted for both BADM 253 and MGMT 210.

Must be a BBA student or have consent of the Donald School of Business.

MGMT 215-3 (BC=3)
(3-0) 15 weeks**Entrepreneurship**

This experiential course develops an understanding of innovation and builds awareness of the practical experiences of entrepreneurs. Students participate in experiential activities and competitions, and learn using a practical framework that integrates current research, practice and lessons learned from people who have started impactful businesses with limited resources.

Credit will not be granted for both BADM 251 and MGMT 215.

Must be a BBA student or have consent of the Donald School of Business.

<p>MGMT 220-3 (BC=3) (3-0) 15 credits Interpersonal Communications This course provides an introduction and overview to aspects of interpersonal communication. Utilizing a mix of theory and application, the course provides students with opportunities to gain an understanding of the elements of interpersonal communication and demonstrate a foundational level of knowledge and skill of the application of interpersonal communication for use in a variety of settings. Credit will not be granted for both BADM 204 and MGMT 220. Must be a BBA student or have consent of the Donald School of Business.</p>	<p>MGMT 320-3 (BC=4) (3-0-1) 15 weeks Business Statistics II This course examines inferential statistical analysis while emphasizing thinking skills and computer literacy. Topics include parametric and nonparametric hypothesis testing procedures. Simple and multiple regression analysis will also be examined and applied to business situations. The understanding of the course material will further be enhanced through exposure to both manual and computerized methods using current statistical computer software. Prerequisite: BUS 306 or BADM 111. Credit will not be granted for both BUS 307 and MGMT 320. Must be a BBA student or have consent of the Donald School of Business.</p>	<p>MGMT 430-3 (BC=3) (3-0) 15 weeks Business Plan Development Students will be able to prepare and present a solid business plan for a new or existing enterprise. Areas covered will include identifying and assessing opportunities, developing a winning strategy, identifying resource requirements and selling the plan to financing sources. Prerequisite: BADM 110, BADM 132, ACCT 104 or 204. Must be a BBA student or have consent of the Donald School of Business.</p>
<p>MGMT 310-3 (BC=3) (3-0-0) 15 weeks Introduction to the Stock Market This course focuses on key principles of technical and fundamental analysis necessary to make successful investment decisions. Examined are key factors which influence various financial markets. Students will participate in a group stock market simulation by applying stock selection principles to construct a portfolio.</p>	<p>MGMT 410-3 (BC=3) (3-0) 15 weeks Global Business Environment Introduction to the field of international business emphasizing: national economic, political and cultural differences; globalization; international institutions' roles in facilitating international trade and trade agreements; international money system; and current trends in international business. Canada's place within the global economy and the challenges Canadian business encounter conducting international business. Must be BBA student or consent of the Donald School of Business.</p>	<p>MGMT 450-3 (BC=3) (3-0) 15 weeks Leadership The course offers a balanced integration of theory and practice of skills generally accepted as necessary to leaders of small enterprises and other organizations. The course is designed to help guide individuals in developing specific personal management competencies. Topics include problem solving, decision-making, team building, initiating and managing change, organization, and managing conflict. The assigned readings and practical exercises and assignments are designed to help students foster an appreciation of the complexity of the issues and factors facing the organizational leadership process. This course will help to develop the leadership skills that are necessary in students' personal and professional roles Prerequisite: BADM 281. Must be a BBA student or have consent of the Donald School of Business.</p>
<p>MGMT 315-3 (BC=3) (3-0-0) 15 weeks Advanced Corporate Finance This course is intended to consolidate students' understanding of the theories and practices of effective financial decision making in a corporate environment, and to assess the impact of these decisions on the firm's performance. Course coverage includes economic theory of the firm, advanced capital budgeting concepts, stakeholder conflicts, and mergers and acquisitions. Prerequisite: BADM 260 or BUS 310 (Recommended BUS 310) or consent of the Donald School of Business.</p>	<p>MGMT 420-3 (BC=3) (3-0) 15 weeks Operations Management This course is a survey of the decision processes in production and operations management, and the relationship to other business areas. Topics covered include forecasting, product and service design, capacity planning, waiting line models, facility location and layout, process selection, design of work systems, linear optimization, quality inspection and control, life cycle management, inventory management, aggregate planning, material requirements planning, project operations management, and operations scheduling. Prerequisite: BUS 306 or BADM 111. Must be a BBA student or have consent of the Donald School of Business.</p>	<p>MGMT 460-3 (BC=3) (3-0) 15 weeks Change Management This course provides students with an understanding of how HR professionals effectively identify, guide, and implement changes within an organization. Topics include: change agents, barriers to change, and employee communication strategies during times of transition. Students will explore the concept of coaching employees through transitions and effectively aligning change to an organization's strategic intent. Prerequisite: BADM 110. Must be a BBA student or have consent of the Donald School of Business.</p>

MGMT 470-3 (BC=3)
(3-0) 15 weeks
Corporate Social Responsibility

This course deals with the interrelationship of corporate social responsibility, corporate integrity, organizational culture, corporate strategy and organizational management/leadership. Topics covered may include: fair-trade and globalization and other converging and emerging ideas about the continuing evolution of CSR.

Prerequisite: BUS 303 or MGMT 450. **Must be a BBA student or have consent of the Donald School of Business.**

MGMT 490-3 (BC=3)
(3-0) 15 weeks
Strategic Management

This capstone course develops the conceptual and applied skills associated with analyzing a competitive situation from a general management point of view. It addresses issues affecting the fundamental direction of the firm, considers the formulation and implementation of strategy, focuses on the extent to which different aspects of the firm fit with key environmental forces, and discusses the organization's ability to leverage its unique core competencies. The course views the organization holistically and, as such, goes beyond the mere integration of specific organizational functions.

Prerequisite: BUS 303 or MGMT 450, BADM 132, BADM 281, ACCT 104 or ACCT 204, BADM 260 or BUS 310.

Prerequisite or Corequisite: MGMT 420. **Must be a BBA student or have consent of the Donald School of Business.**

Mathematics

Note: Not all courses listed may be offered. Check Course Timetable for availability.

MATH 202-3 (BC=4)
(3-0-2) 15 weeks
Introductory Calculus I

Compute limits, derivatives and integrals of a variety of single-variable functions. Interpret the theoretical meaning of these tools and their use in applications.

Intended for students without prior calculus experience.

Prerequisite: MATH 30-1.

Anti-requisite: MATH 203.

MATH 203-3 (BC=3)
(3-0-0) 15 weeks
Calculus I

Compute limits, derivatives and integrals of a variety of single-variable functions. Interpret the theoretical meaning of these tools and their use in applications. Intended for students with prior calculus experience.

Prerequisite: MATH 31.

Anit-requisite: MATH 202.

MATH 204-3 (BC=3)
(3-1-0) 15 weeks
Calculus II

Demonstrate use of advanced methods of differentiation and integration, and implement these methods to solve basic types of ordinary differential equations.

Prerequisite: MATH 202 or 203.

Anit-requisite: MATH 213.

MATH 212-3 (BC=4)
(3-2) 15 weeks
Calculus I

Review of functions and analytic geometry. Trigonometric, logarithmic, exponential and hyperbolic functions. Inverse functions. Limits and continuity. Derivatives and their interpretation. Methods of differentiation and applications. Parametric and polar coordinates and functions.

Prerequisite: Math 30-1 and 31.

Note: Designed for Engineering students.

MATH 213-3 (BC=5)
(4-2) 15 weeks
Calculus II

Integrals and areas: numerical methods and the Fundamental Theorem of calculus. Basic integration methods. Applications of integration to lengths, areas, volumes, and other physical quantities. Advanced integration methods. Differential equations. Infinite series and Taylor expansions.

Prerequisites: MATH 212.

Note: Designed for Engineering students.

MATH 221-3 (BC=3)
(3-0) 15 weeks
Linear Algebra I

Explore higher dimensional geometric spaces using vectors, matrices and transformations.

Prerequisite: Math 30-1.

MATH 223-3 (BC=3)
(3-0-1) 15 weeks
Applied Linear Algebra

Vectors and matrices. Solution of linear equations. Equations of lines and planes. Vector spaces and bases. Determinants. Matrix algebra. Orthogonality and applications (least squares, Gram-Schmidt). Eigenvalues and eigenvectors and applications.

Prerequisite: Math 212.

Note: Designed for Engineering Students.

MATH 260-3 (BC=3)
(3-0) 15 weeks
Higher Arithmetic

Critical thinking & problem solving. Tools for problem solving. Numeration systems, system of integers and elementary number theory, modulo mathematics. Rational numbers, ratio and proportion. Introduction to statistics. **Prerequisite:** Math 30-1 or Math 30-2 or consent of the Department.

Note: This course is restricted to Elementary Education students.

Mechanical Engineering Technology

Note: MET courses are open to Engineering Technology students only.

MET 102-2 (BC=2) **(2-0-2/2) 15 weeks**

Fabrication

Discuss basic fundamentals of different fabrications, different types of welding methods. Describe fundamentals of casting procedure and differences between permanent and expandable mold castings processes.

MET 103-3 (BC=3) **(3-0-2/2) 15 weeks**

Technology Physics

Practice multi-dimensional engineering problems in kinematics, Newton's laws, circular motion, torque, electromagnetic and mechanical waves, conservation laws and steady state linear circuits.

MET 120-3 (BC=3) **(3-0-0) 15 weeks**

Statics

Identify concepts of loads and moments. Establish free body diagrams, analyze forces and moments applied on machines and calculate moment of inertia, distributed loads.

Prerequisite: GET 129.

MET 125-3 (BC=3) **(3-0-2/2) 15 weeks**

Materials Science

Gain an understanding of the effects of physical and chemical influences on the properties of solid materials. Study and investigate mechanical, thermal, electrical and magnetic behaviors. Destructive and nondestructive testing will be covered in detail.

MET 130-2 (BC=2) **(2-0-2/2) 15 weeks**

Fluid Mechanics

Practice fluid statics, manometry laws, buoyancy, forces on gates as well as Bernoulli's equation, Reynolds number, laminar and turbulent flows, energy loss and pump selection, and flow and pressure

measurement methods.

Prerequisite: MET 103, GET 129.

Corequisite: MET 120.

MET 140-3 (BC=3) **(2-0-2) 15 weeks**

3D CAD

Develop 3D parametric solid modelling of parts and assemblies. Generate linked drawings for parts and assemblies with required details and information. Includes overview of geometric dimensioning and tolerancing for manufacturing applications.

Prerequisite: GET 106.

MET 150-3 (BC=4) **(3-0-3) 15 weeks**

Manufacturing

Describe the capabilities and limitations of material removal, and shaping manufacturing processes. Operate machining equipment, identify manufacturing processes of non-metallic products such as polymers and composites.

Prerequisite: MET 102, MET 125.

MET 155-3 (BC=4) **(3-0-0) 15 Weeks**

Thermodynamics and Heat Transfer

Employ the 1st and 2nd laws of thermodynamics. Discuss energy balance of thermodynamic cycles: Refrigeration Cycles, Heat Pumps, and Heat Engines. Discuss effect of different heat transfer mechanisms: Conduction, Convection, and Radiation.

Prerequisite: GET 129, MET 103.

MET 205-3 (BC=3) **(3-0-0) 15 weeks**

Dynamics

Discuss mechanical principles of motion and forces of dynamic systems. Analyze the kinematics and kinetics of objects in translation, in addition to conservation of energy principles and applications.

Prerequisites: GET 129, GET 103, MET 120.

MET 208-3 (BC=3) **(3-0-0) 15 weeks**

Mechanical Design

Design of machine components such as gears, bearings, bolts and screws for strength requirements in consideration of various manufacturing methods.

Prerequisite: MET 205, MET 220.

MET 210-2 (BC=2)

(2-0-0) 15 weeks

Building Systems

Design building systems such as Heating, Ventilation and Air Conditioning (HVAC), fire protection, and piping/plumbing. Learn how to calculate thermal loads. Develop skills needed to interpret building system drawings, specifications and codes.

Prerequisite: MET 155, MET 130.

MET 220-3 (BC=3) **(3-0-0) 15 weeks**

Strength of Materials

Discuss the basic concepts of strength of materials as well as stress and strain due to various loadings including mechanical and thermal loadings. Analyze mechanical system members to assess normal and shear stresses.

Prerequisite: MET 120, GET 130.

MET 224-3 (BC=4) **(3-0-3/2) 15 weeks**

Reliability and Failure Analysis

Examine tools needed to perform statistical reliability analysis. Perform an engineering investigation to assess potential sources, causes and solutions for failure prevention and analysis. Employ different failure criteria to prevent overloading of mechanical systems. Compare different tools to perform non-destructive testing.

Prerequisite: GET 130, MET 220.

MET 230-2 (BC=2) **(2-0-3/2) 15 weeks**

Robotics

Engineering design and analysis of robot arm and manipulators: select actuators, define safety requirements, construct coordinates system for links, perform forward and inverse kinematics, construct Jacobean to calculate singularities and program robots to perform tasks.

Prerequisites: MET 103, GET 130.

Corequisite: MET 205.

MET 235-3 (BC=3) **(3-0-3/2) 15 weeks**

Computer Integrated Manufacturing

Explore production and manufacturing systems, materials handling systems, economics of production, production layout, group technology, flexible manufacturing. Test and simulate an assembly line using a miniature production system.

Prerequisite: MET 230, MET 260.

MET 240-3 (BC=4)**(2-0-3/2) 15 weeks****CNC Manufacturing**

Describe Computer Numerical Control (CNC) machining processes and programming. Select suitable machine tools, set up correct parameters, understand machine process critical path, and carry out simulations and processes on industrial CNC machines.

Prerequisite: MET 150.

MET 258-3 (BC=3)**(3-0-0) 15 weeks****Capstone Project**

Research and compile a technical report on a technical problem. Demonstrate project management skill set for a Mechanical Engineering Technology graduate.

Prerequisite: Term three course completion or consent of Associate Dean.

MET 260-2 (BC=2)**(2-0-3/2) 15 weeks****Manufacturing Automation**

Install, configure, program, and interface a variety of hardware and software in a manufacturing environment. Use Human Machine Interfaces to link with Programmable Logic Controllers and other devices to monitor and control equipment and processes.

Prerequisite: MET 103.

Corequisite: GET 206.

MET 265-2 (BC=3)**(3-0-2/2) 15 weeks****Hydraulics and Pneumatics**

Examine the concepts, design, and applications of hydraulic and pneumatic fluid power systems. Simulation of fluids circuits will be explored.

Prerequisite: MET 130, MET 155.

Media Studies and Professional Communication

MSPC 105-3 (BC=3)**(3-0-0) 15 weeks****Interpersonal and Group Communication**

Theory and practice of communicating with other people in interpersonal and group situations, with an emphasis on professional settings. Topics include perception, listening, language, nonverbal communication, and group dynamics.

MSPC 110-2 (BC=2)**(2-0-0) 15 weeks****Visual Design Principles**

Introduction to the basic principles of visual design, including elements such as balance, proportion, colour, and positioning of images and text. Evaluate visual designs for their impact on audiences and receive basic instruction in the construction of images and designs using industry standard software.

MSPC 115-1 (BC=2)**(1-0-1) 15 weeks****Basic Photography**

Introduction to digital photography to support an organization's communications goals. Students will learn the basic composition elements of photographs and will practice selecting, producing and editing photographs for use in organizational communication, such as social media, websites, and print materials.

MSPC 120-3 (BC=3)**(3-0-0) 15 weeks****Online Communication and Social Media**

Theoretical and practical introduction to online communication and social media in the context of organizational communication. Examine the features of current online and social media tools, as well as the integration of social media campaigns in organizations' communications plans.

MSPC 205-3 (BC=3)**(3-0-0) 15 weeks****Document Design and Editing**

Theory and practice of the creation of effective documents in workplace settings. Examine the principles of effective document design and the techniques of editing written communication as well as the impact of document design on audience perception of messages and organizations.

MSPC 210-3 (BC=3)**(3-0-0) 15 weeks****Marketing and Branding**

Introduction to basic marketing communications and branding principles. Examine the integration of marketing practices in organizations and the strategies used to develop, maintain and change an organization's brand identity.

MSPC 215-3 (BC=3)**(3-0-0) 15 weeks****Introduction to Project Management**

Overview of the process of project management. Topics will include the various factors involved in managing projects, including personnel, technology, and finances, as well as the communications strategies needed to support these projects. An introduction to event planning will also be included.

MSPC 220-3 (BC=3)**(3-0-0) 15 weeks****Issues in Communications Studies: Politics, Economics, Culture and Organizations**

An in-depth examination of the impact of politics, economics, culture, and organizational structure on communications messages including the preparation of a communications plan for an organization that integrates all of these issues.

MSPC 225-3 (BC=3)**(3-0-0) 15 weeks****Entrepreneurship and Professionalism**

Overview of key strategies enabling students to find meaningful work in the field and creating entrepreneurial opportunities. Examine the importance of professionalism in organizational communication and practice presenting in person and in writing, for employment or securing other professional opportunities. Focus will be identifying opportunities and resources for contract work.

MSPC 230-3 (BC=3)
(0-0-3) 135 hours

Practicum Experience

Experience in assisting with an organization's communications activities, developing skills and knowledge that apply and expand on the concepts learned throughout the Media Studies and Professional Communication diploma program.

Prerequisite: Successful completion of minimum of three terms of course work in MSPC program or permission of Associate Dean.

Medical Lab Assistant

MLA 104-1 (BC=1)
(3-0-0) 6 weeks

Medical Terminology

Guide the student through the proper use and interpretation of medical terminology, abbreviations, and symbols commonly used in the health care system.

MLA 105-1 (BC=1)
(3-0-0) 5 weeks

Infection Control and Safety

Explore how microorganisms are transmitted, and apply routine practices and standard precautions to protect against transmission or exposure to disease.

MLA 115-8 (BC=8)
(40 lab, 240 Practicum)

Clinical Practicum

Acquire practical experience within acute care facilities and collection sites to obtain MLA competencies set by the Canadian Society of Medical Laboratory Science (CSMLS). Clinical simulation labs will be completed prior to practicum start.

Prerequisites: a minimum GPA of 2.0 in each of: INTP 102, INTP 104, MLA 104, MLA 105, MLA 117, MLA 119, and MLA 121.

MLA 117-5 (BC=5)
(3-0-2) 20 weeks

Professional Practice and Medical Lab Testing

Theoretical aspects and practical experiences of performing electrocardiograms and basic laboratory procedures. An introduction of professional practice encompassing scope of practice, accountability, regulation, and certification as it pertains to the laboratory profession.

MLA 119-5 (BC=5)
(3-0-2) 20 weeks

Specimen Collection, Handling and Quality Lab Processes

Examine the suitability, collection, handling and transportation of lab specimens in both theoretical and practical contexts. Principles of quality management systems and their methods are introduced.

MLA 121-5 (BC=5)
(3-0-2) 20 weeks

General Lab Procedures and Urinalysis

Perform basic laboratory procedures, examine urine and its constituents using both macroscopic and microscopic techniques.

Motion Picture Arts

MPA 301-3 (BC=3)
(3-0) 15 weeks

Motion Picture Fundamentals I

Development of knowledge of all aspects of live action motion picture production. Includes development of basic competence in production, direction and communication.

MPA 302-3 (BC=3)
(3-0) 15 weeks

Motion Picture Fundamentals II

Further development of knowledge in aspects of live action motion picture production.

MPA 303-3 (BC=3)
(3-0) 15 weeks

Motion Picture Business/Career Path

An examination of film financing, budgeting, scheduling and distribution. Included is entertainment law and the societal and political context of the Canadian film industry. Students will establish contacts with appropriate unions, agents and develop self-promotional strategies.

MPA 304-3 (BC=3)
(3-0) 15 weeks

Screenwriting Techniques

Provides a practical introduction to appropriate formats and techniques for screenwriting, and includes narrative forms and structure, character and story throughlines. Students will apply their knowledge and skills to short screenwriting projects.

MPA 305-3 (BC=3)
(3-0) 15 weeks

Motion Picture Directing

Director's responsibilities, strategies, and skills including technical aspects of production and analysis of scripts. Knowledge and skills will be used to direct performers and crew in scene work.

MPA 311-3 (BC=3)
(3-0) 15 weeks

Motion Picture Technology

Knowledge and maintenance and operational skills in production and post-production technologies such as analog and digital imaging systems, film/video transfer systems, compositing, etc. Explore emerging production technologies such as motion control.

Prerequisite: MPA 315.

MPA 312-3 (BC=3)
(3-0) 15 weeks

Audition Techniques

Emphasis is on the knowledge, strategies, and skills needed for professional auditions. Students will develop a professional resume, photograph, and industry standard reels/ tapes/DVD.

Prerequisite: MPA 317.

MPA 315-4 (BC=4)
(3-3) 15 weeks

Motion Picture Production I

Skill development in cinematography, camera operation, lighting, editing, sound, and production management. Flexibility and learning skills needed to acquire specialized expertise is emphasized.

MPA 316-4 (BC=4)
(3-3) 15 weeks

Motion Picture Production II

Further development in cinematography, camera operation, lighting, editing, sound and production management.

Prerequisite: MPA 315.

MPA 317-4 (BC=4)
(3-3) 15 weeks
Motion Picture Acting I

Knowledge of terminology, set etiquette, set directions and the roles and functions of other film personnel. Opportunities to practice performance on camera using effective vocal and physical character traits. Emphasis is on developing a confident poise for on camera and audio recording.

MPA 318-4 (BC=4)
(3-3) 15 weeks
Motion Picture Acting II

Emphasis is on advancing knowledge and skills developed in Film Acting I in order to believably perform scenes of emotional intensity. Performance skills for various motion picture media and specific genre requirements will be developed.

Prerequisite: MPA 317.

MPA 320-4 (BC=4)
(0-12) 15 weeks
Motion Picture Projects I

Application of knowledge and skills to initiate, develop and produce media projects from concept to completion. Team skills, integrity, self-confidence, initiative, and professionalism are integral to success.

MPA 321-4 (BC=4)
(0-12) 15 weeks
Motion Picture Projects II

Further application of knowledge and skills to develop media projects from concept to completion. Team skills, integrity, self-confidence, initiative and professionalism are integral to success.

Prerequisite: MPA 320.

MPA 403-15 (BC=10)
(0-35) 15 weeks
Applied Motion Picture Practicum I

The first term of a two-term mentored practicum. This involves: 1) The production of a substantial motion picture project (including concept, production, postproduction, marketing and promotion) with access to College equipment and facilities; and/or 2) work experience in the motion picture industry, with a combination of paid work, auditions, workshops, etc. accumulated under the guidance of MPA staff.

Prerequisite: Completion of 3rd year of the MPA program.

MPA 404-15 (BC=10)
(0-35) 15 weeks
Applied Motion Picture Practicum II

The second term of a two-term mentored practicum. This involves: 1) The production of a substantial motion picture project (including concept, production, postproduction, marketing and promotion) with access to College equipment and facilities; and/or 2) work experience in the motion picture industry, with a combination of paid work, auditions, workshops, etc. accumulated under the guidance of MPA staff.

Prerequisite: MPA 403.

Please refer to Degree Completion Program Section for Year 4 of the Bachelor of Applied Motion Picture Arts Degree.

Music

Note: Not all courses listed are offered every semester or every year. Check Course Timetable for availability.

Performance Ensembles (BC=2)
(2 cr/semester)
(0-3) 15 weeks

The study and performance of standard and current literature appropriate to the specific vocal or instrumental ensemble. Membership is limited and is by audition. Scheduled public performances are generally a part of each ensemble experience. All ensembles are offered on a corequisite basis only, eg. students must be registered in the same ensemble sequence for both Fall and Winter semesters (eg. 201 Fall/202 Winter), unless special permission is granted by the Department. The first semester is normally prerequisite to the second.

Note: All ensembles are open (by audition) to students from all departments in the college.

Note: Check the Alberta Transfer Guide for specific transfer information for MUSE courses marked with an asterisk*.

MUSE 201, 202, 301, 302, 351, 352
Symphonic Winds* I, II, III, IV, V, VI

A concert band that rehearses and performs wind literature representing traditional and contemporary styles, with priority given to important European and North American stylistic periods. Emphasis is placed on learning musicianship through the stylistic diversity of selected repertoire. The choice of repertoire will also consider the literature available to future educators in the secondary school setting.

Note: Not eligible for challenge.

MUSE 203, 204, 303, 304, 353, 354
Concert Choir* I, II, III, IV, V, VI

A wide range of quality traditional and contemporary choral music is performed in a mixed choir of approximately 40 members. The integration of personal musical development with the principles of group work and the development of blend are important aspects of the course.

Note: Not eligible for challenge.

MUSE 205, 206, 305, 306, 355, 356
Jazz Ensemble* I, II, III, IV, V, VI

A jazz band that rehearses and performs music characteristic of the big band era as well as literature of the modern day jazz ensemble. Students will explore the various styles within this genre and develop improvisational skills required for this idiom.

Note: Not eligible for challenge.

MUSE 207, 208, 307, 308, 357, 358
Jazz Choir* I, II, III, IV, V, VI

This vocal ensemble will help you learn how to perform Jazz, Swing and Popular music in the style appropriate to each.

MUSE 209, 210, 309, 310, 359, 360
Orchestra* I, II, III, IV, V, VI

Selected woodwind, brass, string, and percussion students who are playing at advanced levels may arrange an audition with the conductor of the Red Deer Symphony Orchestra. This is a professional orchestra which draws players from across the province.

Note: Not eligible for challenge.

MUSE 211, 212, 311, 312, 361, 362**Jazz Combo* I, II, III, IV, V, VI**

Students work together in small groups to create arrangements of both old and new jazz tunes. Weekly coaching sessions introduce various ideas and exercises to enhance both improvisational ability and an understanding of jazz as a specific style.

Note: Not eligible for challenge.

MUSE 213, 214, 313, 314, 363, 364**Contemporary Styles I, II, III, IV, V, VI**

Bands are formed within the class and are used as structured lab settings to explore the fundamental elements of important styles such as rock and roll, country, Latin, and alternative.

Note: Not eligible for challenge.

MUSE 215, 216, 315, 316, 365, 366**Chamber Winds I, II, III, IV, V, VI**

Small group study of literature for wind ensembles. Depending upon the instrumentation, repertoire may incorporate combinations of brass and woodwinds ranging from duo to octet. Performance opportunities for various ensembles are available in the acoustic noon recitals and other performances both on and off campus.

Note: Not eligible for challenge.

MUSE 217, 218, 317, 318, 367, 368**Chamber Choir I, II, III, IV, V, VI**

This ensemble is geared towards the experienced singer and will explore advanced choral literature in both traditional and contemporary genres. Enrolment is limited to approximately 16.24 members. Specific goals include gaining experience performing choral music in front of a live audience, building a varied repertoire of music, and learning the principles of group work and integrating these principles with individual skills.

Note: Not eligible for challenge.

MUSE 219, 220, 319, 320, 369, 370**Chamber Ensemble* I, II, III, IV, V, VI**

The focus is on the rehearsal and performance of acoustic, classical music for small groups of two to four players or singers. The makeup of the ensemble or ensembles will vary depending on the interests and skills of those enrolled.

Note: Not eligible for challenge.

MUSE 221, 222, 321, 322, 371, 372**Percussion Ensemble* I, II, III, IV, V, VI**

Rehearsal and performance of percussion ensemble literature that will be arranged for various combinations of the following instruments: marimba, xylophone, vibraphone, drum set, congas, snare drum, timpani, etc.

Prerequisite: Audition.

Note: Not eligible for challenge.

MUSI 194-3**(BC=3)****(3-0) 15 weeks****Introductory Music Theory I**

For students with little or no formal music theory background who have interest in understanding the rudiments of music notation or who are preparing to enter the Music Diploma program. Designed to give students a basic working knowledge of music reading through the study of pitch and rhythm notation, scales, key and time signatures, intervals, and relevant terminology.

MUSI 195-2**(BC=2)****(2-0) 15 weeks****Introductory Aural Skills I**

For students with little or no formal aural skills training who have interest in improving their musicianship or who are preparing to enter the Music Diploma program. Emphasis will be placed on the identification by ear and sight of melodies, rhythms and harmonies. Music dictation and elementary sight-singing will be an integral aspect of the course.

MUSI 196-3**(BC=3)****(3-0) 15 weeks****Introductory Music Theory II**

Skills and knowledge gained in MUSI 194 will form the basis for more extensive work in music reading, chord building, and cadence construction.

Prerequisite: MUSI 194 or consent of Department Chair.

MUSI 197-2**(BC=2)****(2-0) 15 weeks****Introductory Aural Skills II**

Skills and knowledge gained in MUSI 195 will form the basis for more extensive work in melodic and harmonic dictation, interval recognition and sight-singing.

Prerequisite: MUSI 195 or consent of Department Chair.

MUSI 203-3**(BC=3)****(3-0) 15 weeks****Computer Music Technology**

Practical techniques, theory and applications for computer-based multitrack audio, synthesizers, samplers, sound design, special effects processing, and computer music notation and printing. Survey of applications for live music and theatre performances, as well as music, video and film studios.

Note: This course is for music students as well as musicians who are not in the music diploma program. Department consent is required.

MUSI 210-6**(BC=6)****(3-1) 30 weeks****Fundamentals of Music and Method in Education for Non-Music Majors**

A dynamic and practical introduction to music teaching techniques and fundamentals for the student interested in teaching elementary or middle-school aged children. Taught as a survey course and includes introductory keyboard, guitar and various other instruments. Former experience in music is not required.

MUSI 213-3**(BC=3)****(3-1) 15 weeks****Fundamentals of Music and Method in Education I**

A dynamic and practical introduction to music teaching techniques and fundamentals for the student interested in teaching elementary or middle-school aged children. Topics include music theory, music appreciation and singing as well as an introduction to the keyboard and recorder. Correlates with the Alberta Learning Curriculum. Former experience in music is not required.

Corequisite: MUSI 213 lab.

MUSI 214**(BC=3)****(3-1) 15 weeks****Fundamentals of Music and Method in Education II**

A continuation of MUSI 213 with an added emphasis on lesson planning and music teaching philosophy and techniques including Orff and Kodaly methods. Includes an introduction to the guitar and other classroom instruments.

Corequisite: MUSI 214 lab.

Prerequisite: MUSI 213.

COURSE DESCRIPTIONS

MUSI 233-3 (BC=3)

(3-0) 15 weeks

Introduction to Music History

A survey of Western Music from Antiquity through the 20th Century. Through lecture, listening, and basic score examination, students will explore the traditions and practices that have culminated in both the art music and popular music idioms which exist today.

MUSI 241-2 (BC=2)

(2-0) 15 weeks

Basic Piano I

Piano technique, scales, and keyboard harmony. Emphasis is on developing a repertoire of easy to moderate piano pieces to enhance the keyboard as a useable musical tool.

Prerequisite: Ability to read music and a basic skill in voice or an instrument other than the piano.

MUSI 242-2 (BC=2)

(2-0) 15 weeks

Basic Piano II

Skills acquired in MUSI 241 will be refined and expanded. Particular emphasis will be placed on keyboard fluency, fingering, and music reading.

Prerequisite: MUSI 241 or consent of the Department Chair.

MUSI 257-3 (BC=3)

(3-0) 15 weeks

Comprehensive Music Theory I

Music rudiments review (scales, intervals, chords, rhythms), non-harmonic tones, cadences, introduction to harmonic progression and voice-leading principles, and melodic construction.

Prerequisite: Successful completion of the Theory Placement Exam or equivalent.

MUSI 258-3 (BC=3)

(3-0) 15 weeks

Comprehensive Music Theory II

Harmonic analysis, harmonic progression, and four-part writing techniques for diatonic chords, seventh chords, secondary dominant chords, leading-tone chords, and modulation; binary and ternary musical forms.

Prerequisite: MUSI 257.

MUSI 259-3 (BC=3)

(3-0) 15 weeks

Comprehensive Aural and Keyboard Skills I

The aural study of music theory concepts covered in MUSI 257 using sight-singing, dictation, and keyboard harmony.

Prerequisite: Successful completion of the Theory Placement Exam or equivalent.

MUSI 260-3 (BC=3)

(3-0) 15 weeks

Comprehensive Aural and Keyboard Skills II

The aural study of music theory concepts covered in MUSI 258 using sight-singing, dictation, and keyboard harmony.

Prerequisite: MUSI 257 and 259.

Prerequisite or Corequisite: MUSI 258.

MUSI 280-3 (BC=3)

(3-1) 15 weeks

Recording Studio Technology I

An introduction to the recording studio and to basic recording engineering on a digital audio workstation. Mixing theory, equipment theory and operation, and actual performance toward a finished recording.

Prerequisite: Enrolment in Music Diploma or consent of the Department.

MUSI 282-3 (BC=3)

(3-0) 15 weeks

Recording Studio Technology II

MUSI 280 continued. The study of advanced micing and recording techniques, computer audio editing and refinement of skills towards additional projects.

Prerequisite: MUSI 280.

MUSI 301-3 (BC=3)

(3-0) 15 weeks

History of Classical and Romantic Music

A performance-lecture survey of the styles, composers, and performers of the Classical and Romantic periods of music history.

Note: Skill in music reading is an asset.

MUSI 302-3 (BC=3)

(3-0) 15 weeks

History of Post-Romantic and 20th Century Music

A performance-lecture survey of the styles, composers, and performers of the post-Romantic and 20th century periods of music history.

Note: Skill in music reading is an asset.

MUSI 303-3 (BC=3)

(3-0) 15 weeks

History of Popular Music

A survey of the history and evolution of popular music. Topics will include the history of jazz, the roots of rock and roll, the British Invasion, Latin influences, techno, pop music, and urban trends.

MUSI 304-3 (BC=3)

(3-0) 15 weeks

History of Medieval, Renaissance and Baroque Music

A performance-lecture survey of the styles, composers, and performers of the Medieval, Renaissance and Baroque periods of music history.

Note: Skill in music reading is an asset.

MUSI 321-5 (BC=5)

(4-3) 15 weeks

Music Business: Career and Products

A study of the business of music as it pertains to music products and the retail industry, with emphasis on product areas, marketing and sales. Throughout the practicum portion, the students will participate in "hands-on" approaches to a variety of marketing and production situations. Students will be expected to complete a minimum of 45 practicum hours (20 hours must be in the area of retail music in order to attend the NAMM Show in January).

Prerequisite: 2nd year Music Diploma student or consent of the Department.

MUSI 322-5 (BC=5)

(4-3) 15 weeks

Music Business: Performance

A study of the business of music as it pertains to the performing musician, with emphasis on booking, touring, and the recording industry. Throughout the practicum portion, the students will participate in "hands-on" approaches to a variety of marketing and production situations. Students will be expected to complete a minimum of 45 practicum hours (20 hours must be in the area of performance, booking, and/or tours).

Prerequisite: Music Diploma student or consent of the Music Department.

MUSI 346-3 (BC=3) (3-0) 15 weeks Comprehensive Music Theory III Review of harmonic progression and voice-leading principles employed in the 17th and 18th centuries; harmonic analysis, harmonic progression, and four-part writing techniques for 19th century music including borrowed chords, Neapolitan 6th chords, augmented 6th chords, and modulation techniques; analysis of major musical forms (sonata, rondo, and theme and variations). Prerequisite: MUSI 258.	MUSI 358-3 (BC=3) (3-0) 15 weeks Contemporary Theory IV MUSI 357 continued (fourth term theory). Prerequisite: MUSI 357. MUSI 359-3 (BC=3) (0-3) 15 weeks Contemporary Aural Skills III Third term aural study of materials in MUSI 357. Prerequisite: MUSI 250 and 251; or MUSI 258 and 260. Prerequisite or Corequisite: MUSI 357.	MUSI 401-2 (BC=2) (2-0) 15 weeks Graduation Recital A public recital/concert of at least thirty minutes in length. The program should consist of material studied during the student's time as a Music Diploma student. A combination of solo and ensemble material is acceptable as appropriate to the student's major instrument of study and upon approval of the student's instructor. Corequisite: MUSP 460.
MUSI 347-3 (BC=3) (3-0) 15 weeks Comprehensive Music Theory IV Analysis and part writing techniques incorporating extended and chromatic harmonies from the 19th and 20th centuries (9th, 11th, and 13th chords, altered dominants, chromatic mediant, coloristic chords, quartal chords, polychords), and serialism. Prerequisite: MUSI 346.	MUSI 360-3 (BC=3) (0-3) 15 weeks Contemporary Aural Skills IV Fourth term aural study of materials in MUSI 358. Prerequisite: MUSI 357 and 359. Prerequisite or Corequisite: MUSI 358.	MUSP 145-3 (BC=3) (1-0) 15 weeks Principal Instrument Study I Fifty-five minute weekly private lessons in a principal musical instrument or voice. Emphasis is on technique, style, musicianship, and interpretation, and on developing repertoire and performance experience. Prerequisite: Open to Music Diploma students by successful performance audition. Note: Not eligible for challenge.
MUSI 348-3 (BC=3) (3-0) 15 weeks Comprehensive Aural and Keyboard Skills III The aural study of music theory concepts covered in MUSI 346 using sight-singing, dictation, and keyboard harmony. Prerequisite: MUSI 258 & 260. Prerequisite or Corequisite: MUSI 346.	MUSI 361-3 (BC=3) (3-0) 15 weeks Composition I Development of basic composition skills. Principles of orchestra, band, choral, and popular instrument writing. Concepts and practices of MIDI workstation and computer assisted composition. Prerequisite: B or better in MUSI 258 and 260. Note: Not eligible for challenge.	MUSP 245-3 (BC=3) (1-0) 15 weeks Principal Instrument Study II MUSP 145 continued. Prerequisite: MUSP 145. Note: Not eligible for challenge.
MUSI 349-3 (BC=3) (3-0) 15 weeks Comprehensive Aural and Keyboard Skills IV The aural study of music theory concepts covered in MUSI 347 using sight-singing, dictation, and keyboard harmony. Prerequisite: MUSI 346 and 348. Prerequisite or Corequisite: MUSI 347.	MUSI 362-3 (BC=3) (3-0) 15 weeks Composition II Second term study of the MUSI 361 course. Emphasis is on extended compositions and workstation/computer use. Prerequisite: MUSI 361.	MUSP 360-3 (BC=3) (1-0) 15 weeks Principal Instrument Study III MUSP 245 continued. Prerequisite: MUSP 245. Note: Not eligible for challenge.
MUSI 357-3 (BC=3) (3-0) 15 weeks Contemporary Theory III MUSI 257/258 continued. Third term theory. This course is practical in content, scope, and approach. It is meant to assist the 'working' musician in applying fundamentals. Prerequisite: MUSI 250 or 258.	MUSI 400-3 (BC=3) (120 hours) Includes 10 hours lecture Merchandising Practicum II The student will be required to intern in a particular area of the Music Industry as it pertains to their individual career focus. Examples of placements may include such things as touring, sales, or private studio teaching. Possible options must be approved by the Merchandising instructor well in advance of the proposed placement. Prerequisite: MUSI 322 or consent of the Department. Note: This course will be evaluated using a credit/no-credit grading system.	MUSP 460-3 (BC=3) (1-0) 15 weeks Principal Instrument Study IV MUSP 360 continued. Prerequisite: MUSP 360. Note: Not eligible for challenge.
		MUSS 145-2 (BC=2) (1-0) 15 weeks Secondary Instrument Study Forty-five minute weekly private lessons in instrument or voice. Emphasis is on technique and musicianship. May be repeated for credit. Note: MUSS private lessons are open (by audition) to students from all departments in the college. Note: Not eligible for challenge.

Nursing

(Open to Nursing students only.)

NURS 206-4 (BC=5)

(2-0-4-2) 6 clinic hrs total/ 15 weeks

Foundations for Success in Nursing

The course develops an understanding of self as a learner in a health professions context. It explores the foundations of professional nursing, relational practice and therapeutic communication. The course promotes reflection on personal perspectives and experiences to understand one's own attitudes, beliefs, and values. It fosters resilience and explores strategies for self-management and growth.

Prerequisites: None

Corequisites: NURS 236, NURS 215, NURS 230.

Note: A minimum grade of C+ is required to receive credit in the Bachelor of Science Nursing program.

NURS 207-3 (BC=3)

(3-0-0) 15 weeks

Foundations of Nursing I

The course explores the meanings of health and healing. It highlights the diversity of beliefs, values, and perceptions of health. The course introduces the Canadian Health Care System, conceptual frameworks of health promotion, determinants of health, disease and injury prevention, and primary health care. The focus is on the nurse/client relationship in a relational practice context.

Prerequisites: NURS 236, NURS 215, NURS 230 and NURS 206.

Corequisites: NURS 208.

Note: A minimum grade of C+ is required to receive credit in the Bachelor of Science Nursing program.

NURS 208-4 (BC=5)

(2-1-3) 15 clinic hrs total/ 15 weeks

Health Assessment and Nursing Process

The focus is on the health assessment of the adult, and expected health assessment findings throughout the lifespan. The course provides a beginning foundation of the nursing process as framework for developing assessment skills and use of clinical technologies necessary for determining client health status and provision of care.

Prerequisites: NURS 236, NURS 215, NURS 230 and NURS 206.

Corequisites: NURS 207.

Note: A minimum grade of C+ is required to receive credit in the Bachelor of Science Nursing program.

NURS 209-3 (BC=3)

(3-0-0) 15 weeks

Innovation, Systems Thinking & Leadership in Healthcare

An introduction to the concepts of innovation, health technology, systems thinking and relational leadership in a healthcare context. The course develops the knowledge, skills and values that foster personal capacity for innovation and relational leadership.

Prerequisites: NURS 206

Corequisites: None

Note: A minimum final grade of C is required to receive credit in the Bachelor of Science Nursing program.

NURS 211-3 (BC=3)

(3-0-0) 15 weeks

Community Engagement in a Healthcare Context

An interdisciplinary introduction to community and civic engagement for students in health disciplines. Concepts of social justice, community engagement and health equity are explored in the contexts of vulnerable populations and current healthcare trends and issues.

Prerequisites: None

Corequisites: None

Note: A minimum final grade of C is required to receive credit in the Bachelor of Science Nursing program.

NURS 215-3 (BC=3)

(3-0) 15 weeks

Anatomy

A survey of the structure of the human body.

Note: A minimum grade of C+ is required to receive credit in the Bachelor of Science Nursing program.

NURS 217-3 (BC=3)

(3-0-0) 15 weeks

Foundations of Nursing II

The focus is on evidence-informed assessment and management of health challenges in both episodic and chronic illness.

Note: Credit may be obtained for only one of NURS 239 or NURS 217.

Prerequisite: NURS 236, NURS 231, NURS 207, NURS 208. **Corequisite:** NURS 250, NURS 251

NURS 230-3 (BC=3)

(3-0) 15 weeks

Human Physiology and Pathophysiology I

Underlying concepts with a focus on the body systems responsible for communication and control of body functions. Selected topics in pathophysiology related to these systems.

Corequisite: NURS 215.

Note: A minimum grade of C+ is required to receive credit in the Bachelor of Science Nursing program.

NURS 231-3 (BC=3)

(3-0) 15 weeks

Human Physiology and Pathophysiology II

Human Physiology with a focus on systems responsible for body maintenance and regulation. Selected topics in pathophysiology related to these systems.

Prerequisite: NURS 206, NURS 215 and NURS 230.

Note: A minimum grade of C+ is required to receive credit in the Bachelor of Science Nursing program.

NURS 236-3 (BC=3)

(3-0) 15 weeks

Medical Microbiology

Medical microbiology concepts for nursing students. Basic information on the identification of micro-organisms and their control, as well as disease principles, epidemiology, and the immune system with consideration to the health care perspective.

Note: A minimum grade of C+ is required to receive credit in the Bachelor of Science Nursing program.

<p>NURS 237-3 (BC=3) (3-0-0) 15 weeks Foundations of Nursing III The focus on evidence-informed assessment and management of health challenges in both episodic and chronic illness. Aligns with concepts from NURS 252 and NURS 253 with intentional clinical learning activities. Note: Credit may be obtained for only one of NURS 351 or NURS 237. Prerequisite: NURS 250, NURS 217 and NURS 251. Corequisite: NURS 252, NURS 253.</p>	<p>NURS 252-3 (BC=3) (3-0-0) 15 weeks Pharmacology II The course explores selected episodic and chronic health alterations and the related pharmacological concepts. The focus is on applying foundational knowledge of pathophysiology and pharmacology to evidence-informed nursing practice. Note: Available only to students in the BScN program. Credit may be obtained for only one of NURS 308 or NURS 251 and NURS 252. Prerequisite: NURS 251. Corequisite: NURS 237 and NURS 253.</p>	<p>NURS 304-3 (BC=3) (3-0-0) 15 weeks Statistics and Knowledge Management An introduction to reading, understanding and interpreting commonly used statistics in published health services research. Provides a hands on approach to understanding measurement, sampling, and common statistical analysis techniques through critical appraisal of results from published health care studies and statistical analysis techniques commonly used in health care research. It introduces the concept of information literacy regarding statistical techniques used to interpret health data in meaningful ways.</p>
<p>NURS 250-6 (BC=6) (1-16-3) 15 weeks 208 clinical hours Introductory Acute Care Nursing Practice I This practicum in acute care settings develops beginning knowledge, skills, and abilities to provide safe ethical patient care for adults with episodic and chronic health challenges. Intentional clinical learning activities integrate evidence-informed knowledge from NURS 217 and NURS 251. The focus is on assessment, clinical reasoning, care planning and documentation in paper and digital formats. Note: Credit may be obtained for only one of NURS 240 or NURS 250. Prerequisite: NURS 215, NURS 230, NURS 231, NURS 236, NURS 207 and NURS 208. Corequisite: NURS 217, NURS 251.</p>	<p>NURS 253-6 (BC=6) (1-16-3) 15 weeks 208 Clinical hours Introductory Acute Care Nursing Practice II This practicum in acute care settings further develops knowledge, skills, and abilities to provide safe ethical patient care for adults with episodic and chronic health challenges. Intentional clinical learning activities integrate evidence-informed knowledge from NURS 237 and NURS 252. Note: Credit may be obtained for only one of NURS 352 or NURS 253. Prerequisite: NURS 217, NURS 250, and NURS 251. Corequisite: NURS 252 and NURS 237.</p>	<p>NURS 305-3 (BC=3) (2-2) 15 weeks Nursing Transition Develop skills and knowledge with an emphasis on critical inquiry and Registered Nurse scope or practice for the transition into Year 3 of the Bachelor of Science in Nursing Program.</p>
<p>NURS 251-3 (BC=3) (3-0-0) 15 weeks Pharmacology I The course explores selected episodic and chronic health alterations and the related pharmacological concepts. The focus is on applying foundational knowledge of pathophysiology and pharmacology to evidence-informed nursing practice: Note: Available only to students in the BScN program. Credit may be obtained for only one of NURS 308 or NURS 251 and NURS 252. Prerequisite: NURS 231, NURS 236 and NURS 208. Corequisite: NURS 217 and NURS 250.</p>	<p>NURS 301-3 (BC=3) (3-0-0) 15 weeks Evidence Informed Nursing Practice The course provides a hands on approach to evidence-informed nursing practice. This includes formulating clinical questions, systematic searching of electronic databases, reading, interpreting and critically appraising health research. Emphasis is on developing thinking and information literacy skills necessary to be an astute research consumer and using evidence to inform clinical decision making. Prerequisite: NURS 304, NURS 217, NURS 250.</p>	<p>NURS 353-6 (BC=4) (2-3-0) 15 weeks Community Nursing Theory Focus is on the philosophical and theoretical domains of nursing individuals, families and groups in the community across the lifespan. Students will also specifically explore theory related to the nursing care of the child-bearing family. Community nursing management and intervention consistent with the principles of primary health care will be explored and fostered. Prerequisite: NURS 241, NURS 242, NURS 351, NURS 352. Corequisite: NURS 354.</p>
		<p>NURS 354-6 (BC=7) (0-16-2) 15 weeks Community Nursing Practice Students will have the opportunity to apply concepts of community health nursing. Nursing practice will include health assessment and interventions with child-bearing families. Students will develop competence in both family and community assessments, the use of therapeutic communication skills and the planning, implementation and evaluation of community nursing interventions. Prerequisite: NURS 241, NURS 242, NURS 301, NURS 351, NURS 352. Corequisite: NURS 353.</p>

NURS 355-6 (BC=4)**(2-3-0) 15 weeks****Acute Care Nursing Theory II**

A comprehensive approach to primary health care components in the care of clients in complex situations locally, nationally, and internationally. High acuity health assessments and interventions are introduced. Case management, interdisciplinary collaboration, community development, and socio-political action are emphasized.

Prerequisite: NURS 241, NURS 242, NURS 351, NURS 352.

Corequisite: NURS 408.

NURS 356-6 (BC=7)**(0-16-3) 15 weeks****Acute Care Nursing Practice II**

Professional nursing practice focuses on a comprehensive application of primary health care principles to clients experiencing acute variances in health across the lifespan. Practice occurs in primary, secondary, and tertiary level acute care settings.

Prerequisite: NURS 241, NURS 242, NURS 351, NURS 352, NURS 301.

Corequisite: NURS 407.

NURSE 360-9 (BC=9)**(2-24-3) 15 weeks, 192 Clinical hours****Community Nursing through the Lifespan**

The course covers theories, ethics and evidence-informed approaches to community health nursing including primary health care, population health, health maintenance and promotion, and disease and injury prevention. It includes exploration of concepts of community-based assessment, planning, intervention and evaluation with community-as-client. The practicum portion of the course includes a variety of community settings. Nursing practice will include health assessment and interventions for clients throughout the lifespan.

Prerequisite: NURS 237, NURS 253, NURS 252, and NURS 301.

NURS 361-3 (BC=4)**(1-24-3) 15 weeks, 96 Clinical hours****Advanced Acute Care Nursing Practice I**

This acute care practicum builds on the concepts and intentional clinical learning from previous courses. This focus is on integrating prior learning to move towards providing comprehensive patient and family-centred care and socialization to the role of the nurse in an acute care setting.

Prerequisite: NURS 237, NURS 252, NURS 253, and NURS 301.

NURS 362-3 (BC=3)**(3-0-0) 15 weeks****Health Policy, Health Care Organizations, Change Management**

The course builds upon the personal leadership foundations of previous courses. It explores the organization of health care systems, concepts of healthcare management and care delivery models. The course provides an overview of healthcare policy and the roles of the nurse in influencing health policy, and facilitating change within healthcare systems.

Prerequisite: NURS 209.

NURS 363-9 (BC=9)**(2-24-3) 15 weeks, 192 Clinical hours****Mental Health and Wellness in Nursing**

This course in mental health provides opportunities to acquire knowledge, skills, attitudes to promote wellness, through safe, ethical nursing practice, in a variety of contexts. The focus will be mental well-being throughout the lifespan. Learning experiences will provide students an understanding of the mental health nursing process.

Prerequisite: NURS 237, NURS 252, NURS 253, and NURS 301.

NURS 364-3 (BC=3)**(0-32-0) 15 weeks, 128 Clinical hours****Advanced Acute Care Nursing Practice II**

The course provides opportunities for participants to integrate, consolidate and expand concepts from previous learning to advance their professional nursing practice. Participants have the opportunity to consolidate learning and advance their clinical decision-making in a variety of acute care settings.

Prerequisites: NURS 361.

NURS 365-3 (BC=3)**(3-0-0) 15 weeks****Leadership in Nursing and Interprofessional Practice**

The course prepares learners with the knowledge and capabilities for working within complex interprofessional environments in healthcare. It focuses on six key interprofessional competencies (patient/client/family/community-centred care, interprofessional communication, role clarification, team functioning, interprofessional conflict resolution and collaborative leadership). The course culminates with the application of knowledge to authentic scenarios and demonstration of effective collaborate teamwork.

Prerequisite: NURS 362.

4th Year University of Alberta Degree Completion Nursing Courses (from the University of Alberta Calendar)

Note: Students are required to complete all 3rd year courses in order to proceed to the 4th year of the program.

NURS 409-3 (BC=3)**(3-0-0) 15 weeks****Leadership and Issues in Nursing**

Using the primary health care framework, a variety of current professional, social, political and global issues affecting the nursing profession and the Canadian healthcare system will be addressed. Key principles of leadership and management will also be addressed within the context of these issues.

Prerequisite: NURS 241, NURS 242, NURS 351, NURS 352, NURS 301.

NURS 420-3 (BC=3)**(0-3-4) 7 weeks****Competency Assessment and Development**

Refine and develop knowledge, skills and abilities required for nursing practice in clinical settings. Promote and practice client and student safety through demonstration of skills, knowledge, attitudes, behaviour and sound decision-making.

NURS 494-3 (BC=3)
(6-0-3) 4 weeks

Nursing in Context D1

Synthesis and focus of nursing knowledge and application of nursing research in a specified area of practice. To be permitted to enroll in this course, students must have passed all courses of their nursing program, except the Corequisite NURS 495.

NURS 495-9 (BC=9)
(1-0-35) 10 weeks

Nursing Practice VIII

Comprehensive and consolidated approach to professional practice of nursing in an area of special interest to the student. The 350 clinical hours listed are preceptorship and direct patient care. Students may complete up to an additional 20 hours for professional development.

Corequisite: NURS 494.

Occupational and Physical Therapist Assistant

OPTA 112-3 (BC=4)
(3-0-2) 15 weeks

Healthcare and Rehabilitation

An overview of the Canadian Health Care system and how rehabilitation fits within it. Specific emphasis on occupational therapy, physical therapy and the role of the assistant.

OPTA 114-3 (BC=3)
(3-0-0)

Concepts in Mental Health

Introduction to mental health and illness from a rehabilitation perspective. Familiarization with characteristics of psychiatric disability, general management of common disorders, service provision and mental health practice through a client-centered approach.

OPTA 118-3 (BC=3)
(2-0-2) 15 weeks

Functional Anatomy

Fundamentals of the structure and function of the musculoskeletal system with application to rehabilitation.
Prerequisite: INTP 102.

OPTA 122-3 (BC=3)
(3-0-0) 15 weeks

Common Conditions and Function

An overview of conditions commonly encountered in rehabilitation practice.
Prerequisite: INTP 102, OPTA 112.

OPTA 125-3 (BC=5)
(45 lecture, 30 lab)

Rehabilitation Concepts

An introduction to rehabilitation concepts that are applied across the life span. Health status, wellness, and influencing factors are examined with a concurrent review of health care and the services provided. Includes the basic theories and rationale of therapeutic interventions for treating patients/clients due to musculoskeletal disorders.

OPTA 130-4 (BC=4)
(180 hours)

Practicum I

An introduction to the professional rehabilitation environment providing applied experiences in OTA and/or PTA settings.

Prerequisite: OPTA 114, KNSS 307, OPTA 118, INTP 105, PTA 100, PN 262, and OPTA 122.

OPTA 202-4 (BC=5)
(45 lecture, 30 lab)

Presenting Conditions II

Fundamentals of neurological structures focusing on the central and peripheral nervous system with application to a selection of disabling conditions based on broad diagnostic categories and encompassing neurological conditions specific to all populations. Course also includes discussion of the basic concepts of function, health, and disease processes related to these systems.

Prerequisite: OPTA 102, 120.

OPTA 204-2 (BC=2)
(4-0-0) 7 weeks

Sensation, Perception and Cognition

An overview of sensory, perceptual and cognitive impairments encountered in rehabilitation practice with a focus on development of therapeutic tools and strategies.

Prerequisite: OPTA 122, KNSS 307, OPTA 114.

OPTA 210-3 (BC=3)
(45 lecture)

Professional Practice

Ethical issues in rehabilitation are explored. Clinical reasoning is addressed along with an overview of employment preparedness.
Prerequisite: OTA 205, PTA 200, OPTA 230.

OPTA 215-2 (BC=2)
(4-0-0)

Communication Impairment

A review of communication challenges that inhibit effective communication. Focus is on enhancing communication with people who have speech and language impairment.

OPTA 220-6 (BC=6)
(60 lecture, 45 lab)

Therapeutic Skills II

Theory and the application of therapeutic strategies/interventions employed in the rehabilitative treatment of adult patients/ clients with motor and/or sensory impairments resulting from a neurological and/or mental health disorder. Application of a variety of intervention strategies to promote functional independence, occupation performance and active living.
Prerequisite: OPTA 102, 120.

OPTA 222-3 (BC=3)
(6-0-0) 7 weeks

Advanced Conditions and Function

An overview of more complex conditions encountered in rehabilitation practice.
Prerequisite: OPTA 122, PN 262.

OPTA 230-4 (BC=4)
(180 hours)

Practicum II

Further experience in the professional rehabilitation environment providing applied experiences in OTA and/or PTA settings.

Prerequisites: OPTA 130, OPTA 222, OPTA 215, PTA 200 and OTA 205.

OPTA 302-4 (BC=5)
(45 lecture, 30 lab)

Presenting Conditions III

Fundamental of normal physiological function and disorder. This includes an overview of the endocrine and lymphatic systems, as related to the structure and function of the cardiovascular and respiratory systems and disabling conditions specific to pediatric, adult and geriatric populations.

Prerequisite: OPTA 102, 202.

OPTA 320-6 (BC=6)
(60 lecture, 45 lab)

Therapeutic Skills III

Theory and application on how to improve functional abilities and prevent further disability of clients with circulatory, respiratory and endocrine disorders. Includes physiological aspects of the disease processes and its impact on functional performance. Introduction and application of intervention strategies to assist clients to achieve optimal functional independence.

Prerequisite: OPTA 202, 220.

OPTA 330-4 (BC=4)
(180 hours)

Practicum III

Application of accumulated knowledge and skills in a variety of rehabilitation environments to further understand and promote their role as an OTA / PTA.

Prerequisite: OPTA 230, OPTA 204, OTA 305, PTA 300, OPTA 210.

OTA 105-3 (BC=4)
(2-15-2) 15 weeks

OTA Skills I

Application of basic occupational therapist assistant skills to enhance client function.

Prerequisite: INTP 102, INTP 104, OPTA 112.

OTA 205-3 (BC=4)
(4-25-4) 7 weeks

OTA Skills II

Application of intermediate occupational therapist assistant skills to enhance client function.

Prerequisite: OTA 105, INTP 105, OPTA 122.

OTA 305-3 (BC=4)
(4-25-4) 7 weeks

OTA Skills III

Application of advanced occupational therapist assistant skills to enhance client function.

Prerequisite: OTA 205, OPTA 114, KNSS 307, OPTA 222.

PTA 100-3 (BC=4)
(2-15-2) 15 weeks

PTA Skills I

Application of basic physical therapist assistant skills to enhance client function and mobility.

Prerequisite: INTP 102, INTP 104, OPTA 112.

PTA 200-3 (BC=4)
(4-25-4) 7 weeks

PTA Skills II

Application of intermediate physical therapist assistant skills to enhance client function and mobility.

Prerequisites: PTA 100, INTP 105, OPTA 122.

PTA 300-3 (BC=4)
(4-25-4) 7 weeks

PTA Skills III

Application of advanced physical therapist assistant skills to enhance client function and mobility.

Prerequisite: PTA 200, KNSS 307, OPTA 222.

Pharmacy Technician

(Open to Pharmacy Technician students only.)

PHTD 100-3 (BC=3)
(3-0-0) 15 weeks

Professional Role and Ethics

Examine components and determinants of health, the Canadian health care system, the role of the pharmacy technician and other pharmacy staff members and to explore ethics, decision making, scope of practice, professionalism, and learning practices.

PHTD 105-2 (BC=2)
(2-0-0) 15 weeks

Pharmacology Fundamentals

Explore drug classifications, drug naming, drug mechanism of actions, pharmacological terminology, drug approval process in Canada, routes of administration and dosage forms, toxicology, drug stability and the storage and disposal of pharmaceuticals.

PHTD 110-3 (BC=3)
(3-0-0) 15 weeks

Foundations of Pharmacy

Explore concepts central to pharmacy practice such as interpreting prescription information, pricing, third party billing, pharmacy records, labelling prescriptions, preventing medication errors, using references, inventory management and merchandising.

PHTD 115-4 (BC=4)
(4-0-0) 15 weeks

Pharmacy Calculations

Accurately perform calculations applicable to pharmacy practice.

PHTD 120-3 (BC=3)
(3-0-0) 15 weeks

Jurisprudence

Introduce and apply legislation and standards of practices relevant to pharmacy practice in Alberta.

Prerequisite: PHTD 100, PHTD 105 and PHTD 110.

PHTD 125-3 (BC=3)
(3-0-0) 15 weeks

Pharmacotherapeutics I

Examine conditions and medications used in the treatment of conditions affecting the immune system, nervous system, respiratory system and infections.

Prerequisite: INTP 102, INTP 104, PHTD 100, PHTD 105, PHTD 110.

PHTD 130-3 (BC=3)
(3-0-0) 15 weeks

Pharmacy Computer Systems

Use a pharmacy computer system to input data, process prescriptions and perform other pharmacy related tasks.

Prerequisite: PHTD 100, PHTD 105, PHTD 110, PHTD 115 and must successfully complete keyboard testing prior to Winter term.
Corequisite: PHTD 120.

PHTD 135-3 (BC=3)
(1-0-4) 15 weeks

Dispensing I

Dispense medications in a laboratory setting for a variety of medications, dosage forms and legal classifications.

Prerequisite: PHTD 100, PHTD 105, PHTD 110, PHTD 115 and INTP 104.
Corequisite: PHTD 120 and PHTD 130.

PHTD 140-1 (BC=1)
(1-0-0) 15 weeks

Preparation for Practice

Assess, reflect and receive formative feedback upon the student's first year performance in the program.

Prerequisite: PHTD 100, PHTD 105, PHTD 110, PHTD 115, PHTD 120, PHTD 125, PHTD 130, PHTD 135, INTP 102, INTP 104 and INTP 105.

Note: This course occurs in the week following winter term final exams and student completes self reflection portion on-line.

PHTD 200-3 (BC=4)
(3-1-0) 15 weeks

Non-prescription and Complementary Therapies

Examine conditions and medications that can be treated/provided over the counter. **Prerequisite:** PHTD 140.

PHTD 205-3 (BC=3)
(2-0-3) 15 weeks

Non-sterile compounding

Compound and dispense a variety of non-sterile pharmaceuticals. **Prerequisite:** PHTD 140.

PHTD 210-4 (BC=4)
(2-0-4) 15 weeks

Aseptic Technique

Prepare a variety of sterile compounds in a safe and efficient manner using principles of aseptic technique.

Prerequisite: PHTD 200, 205, 225, 235 and MLA 104.

PHTD 215-3 (BC=3)
(2-0-2) 15 weeks

Hospital / Institutional Practice

Discuss the practice of pharmacy in institutional settings and perform tasks required of a pharmacy technician employed in this practice setting.

Prerequisite: PHTD 200, PHTD 205, PHTD 225, PHTD 235 and MLA 104.

PHTD 220-1 (BC=1)
(1-0-0) 15 weeks

Community Health Project

Propose and complete a health promotion project in the community within the pharmacy technician role and evaluate the effectiveness upon completion.

Prerequisite: PHTD 200, 205, 225, 235 and MLA 104.

PHTD 225-3 (BC=3)
(3-0-0) 15 weeks

Pharmacotherapeutics II

Examine conditions and medications used in the treatment of conditions affecting the gastrointestinal, renal, cardiovascular and musculoskeletal system.

Prerequisite: PHTD 140.

PHTD 226-3 (BC=3)
(3-0-0) 15 weeks

Pharmacotherapeutics III

Examine conditions and medications used in the treatment of conditions affecting the endocrine, dermatological, ophthalmic and otic systems as well as cancer treatments and other miscellaneous medications.

Prerequisite: PHTD 225.

PHTD 231-5 (BC=5)
(200 hours) 5 weeks

Community Pharmacy Practicum

Obtain practical experience within a community (retail) pharmacy as a developing pharmacy technician.

Prerequisite: PHTD 210, PHTD 215, PHTD 220, PHTD 226 and PHTD 240.

PHTD 232-4 (BC=4)
(160 hours) 4 week block

Hospital Pharmacy Practicum

Obtain practical experience within a hospital/institutional pharmacy as a developing pharmacy technician.

Prerequisite: PHTD 210, PHTD 215, PHTD 220, PHTD 226 and PHTD 240.

PHTD 235-4 (BC=4)
(1-0-5) 15 weeks

Dispensing II

Dispense medications, perform pharmacy related tasks and practice workplace communication skills in a laboratory setting. This course continues to build upon the skills gained in Dispensing I.

Prerequisite: PHTD 140.

Corequisite: PHTD 225.

PHTD 240-3 (BC=3)
(3-0-0) 15 weeks

Preparation for Practice II

Prepare and assess student to transition into role of pharmacy technician prior to practicum placements.

Prerequisite: PHTD 200, PHTD 205, PHTD 225, PHTD 235 and INTP 201.

Corequisite: PHTD 210, PHTD 215, PHTD 220, and PHTD 226.

Philosophy

Note: Not all courses listed may be offered. Check Course Timetable for availability.

Note: 200-level Philosophy courses do not require previous Philosophy. PHIL 201, 202 and 222 are recommended if you intend to major in Philosophy.

Note: There are no prerequisites for 300-level courses (except for PHIL 389). You will find it helpful, however, to take PHIL 202 before taking any 300-level courses. PHIL 201 will provide valuable background for PHIL 339, 340, 348, 355 and 386.

PHIL 201-3 (BC=3)
(3-0-0) 15 weeks

Values and Society

Discover philosophy via exploration and critical discussion of selected philosophical classics and contemporary works. Emphasis will be placed on questions of moral and other values, and on the nature of society and justice.

PHIL 202-3 (BC=3)
(3-0-0) 15 weeks

Knowledge and Reality

Discover philosophy via exploration and critical discussion of selected philosophical classics and contemporary works. Emphasis will be placed on issues in metaphysics and epistemology, such as the nature and extent of human knowledge and the nature of reality and our place in it

PHIL 221-3 (BC=3)
(3-0-3) 15 weeks

Critical Thinking

Discover methods and principles for analyzing reasoning as it occurs in everyday life and the sciences. Explore informal fallacies, scientific reasoning and theory-building, elementary logic, deductive and inductive reasoning, cognitive biases, and the distinction between science and pseudo-science.

PHIL 222-3 (BC=3)
(3-0) 15 weeks

Symbolic Logic I

Basic concepts of logic: consistency, logical truth, entailment, equivalence. Symbolization of natural language inferences using sentential and predicate logic. Formal syntax of sentential and predicate logic. Natural deduction for sentential logic. Introduction to the semantics and metatheory of sentential logic: truth-tables, truth-functional completeness, soundness and completeness of the natural deductive system, compactness.

PHIL 300-3 (BC=3)
(3-0) 15 weeks

Professional Ethics

This course is designed to acquaint students with the range of ethical questions and issues that arise for practitioners of various professions. Students will develop their critical and analytical skills in their own arguments designed to appraise and develop good ethical positions on a variety of issues and problems common to many professions, problems like: professional responsibility, the use of codes of ethics in making good ethical decisions, privacy and client confidentiality, professional client-practitioner relationships, issues of public and private ethical responsibility.

PHIL 301-3 (BC=3)
(3-0-0) 15 weeks

Epistemology

Examine the nature, origin, methods, and limits of knowledge focusing on the rational justification of belief, skepticism, and the role of perception, memory, and reasons as sources of knowledge. Additional topics may include social epistemology, standpoint epistemology, relativism, religious epistemology, or the epistemology of science.

PHIL 319-3 (BC=3)
(3-0-0) 15 weeks

Philosophy of Law

Explore the historical and theoretical foundations of the concepts that ground the Canadian legal system including the foundations of legal authority, the nature of the law, the relationship between law and morality, theories of jurisprudence, theories of statutory interpretation, and theories of punishment, rights, and justice.

PHIL 321-3 (BC=3)
(3-0-0) 15 weeks

Metaphysics

Examine questions concerning the nature of reality. Topics may include free will, action, causation, personal identity, the mind body problem, appearance and reality, time and space, existence, and possibility and necessity.

PHIL 323-3 (BC=3)
(3-0-0) 15 weeks

Philosophy of Mind

Investigate the nature of mind, consciousness, cognition, perception, emotion, action, personal identity, memory, imagination, and the relationship between mind and body.

PHIL 340-3 (BC=3)
(3-0-0) 15 weeks

Moral Theory

Investigate moral philosophy with an emphasis placed on issues in meta-ethics and moral psychology such as free will and moral responsibility, the basis of moral obligation, the nature of moral deliberation and motivation, objectivity in morality, moral knowledge, the nature of virtue, and moral agency.

PHIL 341-3 (BC=3)
(3-0-0) 15 weeks

Ancient Philosophy

Survey the work of ancient philosophers with a focus on Plato and Aristotle. Pre-Socratic, Hellenistic, and Roman philosophers will also be discussed.

PHIL 345-3 (BC=3)
(3-0-0) 15 weeks

Early Modern Philosophy

Survey philosophy of the 17th and 18th centuries. Consider the work of a selection of philosophers from Descartes through Kant.

PHIL 348-3 (BC=3)
(3-0-0) 15 weeks

Gender and Sexuality

Investigate social and political issues arising from a philosophical analysis of gender and human sexuality. Explore feminist theories of knowledge, ethics, metaphysics, social and political theory and science.

PHIL 355-3 (BC=3)
(3-0-0) 15 weeks

Philosophy of the Environment

Investigate issues arising from our relationship to other species and the natural environment. Topics may include: obligations to future generations and the environment, our obligations to non-human animals, climate change and pollution, resolving conflicts between environmental and economic priorities, population policy and biodiversity.

PHIL 357-3 (BC=3)
(3-0) 15 weeks

Philosophy of Religion

The concept of religion. Arguments for and against the existence of God. Meaning and intelligibility in religious language.

PHIL 364-3 (BC=3)
(3-0-0) 15 weeks

Philosophy of Science

Examine central issues in philosophy of science. Investigate the nature of scientific inquiry, the difference between science and pseudo-science, the epistemic status of scientific claims, explanations, theories, confirmation, scientific progress, gender and racial bias in the sciences, and the limits of science.

PHIL 383-3 (BC=3)
3-0-0 (15 weeks)

Philosophy of Fiction

Examine selected philosophical issues, theories, and problems as they find expression in various media such as: literature, film, television programs, video-games, graphic novels, and music.

PHIL 386-3 (BC=3)
(3-0) 15 weeks

Bioethics

Concepts and issues central to health care knowledge and practice. Rights and responsibilities of patients and health care personnel. Passive and active euthanasia. Abortion. Medical research and experimentation. Disclosure of diagnosis and risks. Death and suffering.

PHIL 399-3 (BC=3)**(3-0-0) 15 weeks****Technology and Computing**

Explore ethical, legal, and social issues arising from contemporary computing and information technology. Topics may include privacy, intellectual property, data management, security and surveillance, artificial intelligence, algorithm bias, artificial intelligence, machine-learning, globalization and regulation/policy issues, file-sharing, cyborgs, social media's impact on politics, media, identity, and culture.

Physical Education and Sport Studies

See listings under "Kinesiology & Sports Studies," page 49.

Physics

Note: Not all courses listed may be offered. Check Course Timetable for availability.

PHYS 205-3 (BC=4)**(3-0-3) 15 weeks****Introductory Physics I**

Apply non-calculus quantitative methods to the study of the kinematic and dynamic properties of particles and bodies in motion while examining the concepts of forces, work and energy, momentum, and rotation. Prerequisite: MATH 30-1; PHYSICS 30 strongly recommended.

Anti-requisite: PHYS 241.

PHYS 226-3 (BC=4)**(3-0-3) 15 weeks****Introductory Physics II**

Apply non-calculus quantitative methods to the study of the fluid mechanics, electromagnetism, thermodynamics and nuclear physics while exploring the fundamental properties of light and matter. Prerequisite: PHYS 205.

Anti requisites: PHYS 247 and PHYS 269.

PHYS 241-3 (BC=4)**(3-1-3) 15 weeks****Mechanics**

Apply calculus to the study of the kinematic and dynamic properties of particles and bodies in motion while examining the concepts of forces, work and energy, momentum, rotation and special relativity.

Prerequisite: Physics 30 and Math 30-1.

Corequisite: MATH 202 or 203 or 212.

Anti-requisite: PHYS 205.

PHYS 247-3 (BC=4)**(3-1-3) 15 weeks****Waves, Optics and Thermal Physics**

Apply calculus to the study of waves, fluids, optics and thermodynamics while discovering the fundamental properties of light and matter.

Prerequisite: PHYS 241 or ENPH 231.

Corequisite: MATH 204 or 213.

Anti-requisite: PHYS 226 and PHYS 269.

PHYS 269-3 (BC=4)**(3-1-3/2) 15 weeks****Wave Motion, Optics and Sound**

Geometrical optics, optical instruments. Oscillations, waves, sound, light, interference and diffraction. Simple harmonic motion.

Prerequisites: Physics 30, Math 30-1 and 31.

Corequisites: MATH 202 or 203 or 212. ENGG 230.

Note: You can have credit in one of PHYS 207, 247, or 269.

Note: For engineering students only.

PHYS 359-3 (BC=4)**(3-1-3/2) 15 weeks****Electricity and Magnetism**

Electric charge. Electric potential. Gauss's Law. Capacitance. Electric currents. Electromotive force. DC circuits. Magnetic Field. Ampere's Law.

Faraday's Law. AC circuits. Electric and magnetic properties of materials.

Prerequisite: PHYS 241 or ENGG 230, or PHYS 207 and permission of Department.

Corequisites: MATH 204 or 213. PHYS 247 or 269 or 237.

Note: You can have credit in only one of PHYS 355 and 359.

Note: For engineering students only or the consent of the department.

Physiology

PSIO 258-3 (BC=3)**(3-0-0) 15 weeks****Elementary Physiology I**

Essentials of human physiology focusing on systemic functions in the human body with emphasis on systems that respond and adapt to exercise stress. Topics will include the cardiovascular, respiratory, musculoskeletal, nervous and endocrine systems.

Prerequisite/Corequisite: KNSS 200.

Note: For Kinesiology students only.

Note: Successful completion of this course with a minimum C+ AND PSIO 259 with a minimum C+ will satisfy requirements for NURS 230.

PSIO 259-3 (BC=4)**(3-0-1) 15 weeks****Elementary Physiology II**

Integrative human physiology focusing on functions of the human body with special emphasis on control and integration of these functions. The responses and adaptations to exercise will be used as a foundation upon which the concepts of control and integration will be discussed. Some topics from PSIO 258 will be revisited to discuss control and integration of cellular and systemic function.

Prerequisite: PSIO 258.

Note: For Kinesiology students only.

Note: Successful completion of this course with a minimum C+ AND PSIO 258 with a minimum C+ will satisfy requirements for NURS 230.

PSIO 262-6 (BC=6)**(3-0), (3-0) 30 weeks****Elementary Physiology**

Physiology of mammals and humans.

Prerequisite: Biology 30; Chem 30.

PSIO 263-6**(3-0), (3-0) 30 weeks****Human Physiology**

Introductory course in human physiology.

Prerequisites: BIOL 217 or 218; plus 6 credits of university level chemistry.

Note: Credits may be obtained in only one of PSIO 262

Political Science

Note: Not all courses listed may be offered.
Check Course Timetable for availability.

POLI 201-3 (BC=3) **(3-0-0) 15 weeks**

Introduction to Politics

Examine the basic concepts, ideologies, institutions and processes of politics.

POLI 223-3 (BC=3) **(3-0-0) 15 weeks**

Canadian Political Issues

Examine selected themes in Canadian politics, such as federalism and regionalism, the Charter of Rights, issues of diversity and citizenship, and how we are governed.

POLI 283-3 (BC=3) **(3-0-0) 15 weeks**

Global Issues

Explore some of the major issues in world politics, such as international tensions, migration, ethnic and religious conflict, human rights and sustainable development.

POLI 308-3 (BC=3) **(3-0-0) 15 weeks**

Political Thought to 1550

Examine classical Greek political thought and the western political philosophy traditions from Plato to Machiavelli (c. 450 BCE to 1550 CE), learning the role of various virtues in governance.

POLI 309-3 (BC=3) **(3-0-0) 15 weeks**

Political Thought Since 1550

Explore the developments in western political theory from the 17th century to the present (Hobbes to the present), learning how the relationship between the individual and the state has evolved.

POLI 321-3 (BC=3) **(3-0-0) 15 weeks**

Canadian Governance

Explore the developments in western political theory from the 17th century to the present (Hobbes to the present), learning how the relationship between the individual and the state has evolved.

POLI 324-3 (BC=3) **(3-0-0) 15 weeks**

Politics of Health Care

Examine the Canadian health care system through its development, the legislative, philosophical groundings, along with the financing and delivery from a comparative perspective.

POLI 328-3 (BC=3) **(3-0-0) 15 weeks**

Public Administration

Examine the major institutions, processes, and issues of public administration at the federal level in Canada, along with government organization, budgets, policy making, selected personnel issues, democratic control, and accountability.

POLI 388-3 (BC=3) **(3-0-0) 15 weeks**

Global Trade I

Discover the democratic issues within the context of global trade, the technological imperative, international trade regimes and their politics, and selected issue areas, such as trade and ethics.

POLI 389-3 (BC=3) **(3-0-0) 15 weeks**

Global Trade II

Explore the role of the state in the global economy; trade facilitation federally and provincially; introduction to area studies.

Practical Nurse

PN 252-3 (BC=4) **(2-0-2.5) 15 weeks**

Nursing Foundations I

Introduce the nursing principles fundamental to safe, competent practice. Explore holistic care concepts. Use evidence based theory to demonstrate nursing knowledge and skills. Reflect on own attitudes, behaviours and judgments to guide learning interactions.

PN 253-2 (BC=2) **(2-0-0) 15 weeks**

Health Promotion I

Introduce concepts of health including prevention, promotion, determinants and inequalities. Begin exploration of common growth and development theories. Identify principles of teaching and learning.

PN 259-5 (BC=5) **(4-0-2) 14 weeks**

Nursing Foundations II

Integrate and build on foundational knowledge, skills, attitudes, behaviors and judgments. Develop competent and safe nursing care for clients who live in residential care. Common health and wellness challenges, as well as chronic health challenges related to aging will be introduced.

Prerequisite: PN 252.

Corequisite: PN 261, NURS 231

PN 260-2 (BC=2) **(4-0-0) 7 weeks**

Health Promotion II

Explore how persons living in residential care adapt to alterations in health. Explore health promotion principles and apply principles of teaching and learning. Growth and development theories of gerontology, mental health and palliative care will be introduced.

Prerequisite: PN 253.

PN 262-3 (BC=3) **(6-0-0) 7 weeks**

Pathophysiology

Explore common body responses to disease. Introduce microbiology concepts. Pathophysiology as related to chronic disorders commonly associated with adults and aging will be examined.

Prerequisite: INTN 201.

PN 263-4 (BC=5) **(210 clinical hours) 6 weeks**

Practical Experience: Residential Care

Introduce nursing practice and care in residential care settings.

Prerequisite: PN 258, 259, 260, 261, NURS 231.

PN 265-5 (BC=6) **(4-0-3) 15 weeks**

Nursing Foundations III

Develop the skills, knowledge, attitudes, behaviors and judgments necessary for a Practical Nurse to competently and professionally practice in the acute care setting.

Prerequisite: PN 263.

Corequisite: PN 267.

PN 266-3 (BC=3)
(3-0-0) 15 weeks

Health Promotion III

Evaluate growth, development, and tasks of young and middle adulthood. Apply teaching and learning principles to health promotion collaborating with clients and families in the acute care health setting.

Prerequisite: PN 260.

PN 267-1 (BC=2)
(5-0-5) 3 weeks

Pharmacology III

Analyze knowledge, theory, legal and ethical responsibilities informing Practical Nurse practice in the safe administration, maintenance, and evaluation of Intravenous medications and solutions promoting optimal client outcomes.

Prerequisite: PN 263.

Corequisite: PN 265.

PN 268-6 (BC=6)
(250 Clinical Hours) 13 weeks

Practical Experience: Acute Care

Examine professional knowledge, accountability, safety, collaboration, and competence in own nursing practice to provide ethical nursing care of diverse clients and families in acute care, health settings.

Prerequisite: All PN first year courses.

Corequisite: PN 265, 266, 267, INTP 201.

PN 269-1 (BC=1)
(2-0-0) 7 weeks

Professional Leadership IV

Develop and apply leadership skills using an inter-professional approach. Prepare for the transition from student to Licensed Practical Nurse.

Prerequisite: PN 268.

PN 270-5 (BC=6)
(10-0-2) 7 weeks

Nursing Foundations IV

Explore the knowledge, skills, attitudes, behaviors, and judgments necessary to competently provide safe nursing care for pediatric and maternity clients and families in acute and community care settings. Explore health and wellness challenges for pediatric and maternity clients.

Prerequisite: PN 268.

PN 271-4 (BC=4)
(6-0-5) 7 weeks

Health Promotion IV

Apply the principles of health promotion, family centered care, and growth and development in family and community contexts.

Prerequisite: PN 266.

PN 272-1 (BC=1)
(0-0-5) 7 weeks (35 clinical hours)

Practical Experience IV: Family Centered Care

Application of the principles of health promotion and family centered care across the lifespan in family and community contexts.

Prerequisite: PN 268.

Corequisite: PN 269, 270, 271.

PN 275-6 (BC=6)
(0-0-31) 246 hours in 8 weeks

Practical Experience: Comprehensive Practicum

Demonstrate integration and consolidation of knowledge, skills, attitudes, behaviors, and judgments consistent with the LPN scope of practice within the context of a comprehensive practice setting.

Prerequisite: PN 269, 270, 271.

PN 276-4 (BC=4)
(4-0-0) 15 weeks

Foundations for Success in Nursing

The course develops an understanding of self as a learner in a health professions context. It explores the foundations of professional nursing, relational practice and therapeutic communication. The course promotes reflection on personal perspectives and experiences to understand one's own attitudes, beliefs, and values. It fosters resilience and explores strategies for self-management and growth.

PN 277-3 (BC=4)
(3-0-1) 15 weeks

Pharmacology

Explore legislation, drug standards, and safety principles through an introduction to pharmacological terminology and resources. Identify the PN role in medication administration and develop skills in drug calculations. Integrate and demonstrate accurate medication calculations, safe preparation, and administration of medication with an emphasis on application to gerontology.

PN 278-3 (BC=3)
(3-0-0) 15 weeks

Leadership

Frame the Practical Nursing (PN) profession in the context of the Canadian health care system and the philosophy of the RDC PN Conceptual Framework. Explore and examine legislation, professional standards, code of ethics, practice, history, and evolution of practical nursing to develop professional practice and leadership knowledge, skills and attributes.

Production

PROD 100-2 (BC=2)
(1-0-2) 15 Weeks

Production Fundamentals I

A broad overview for a basic understanding of production elements in entertainment. Exploration and practice of safety and functionality of production fundamentals. Introduction to film and theatre equipment, lights, sound and production design.

PROD 101-2 (BC=2)
(1-0-2) 15 Weeks

Production Fundamentals II

A broad overview for a basic understanding of production elements in entertainment. Exploration and practice of safety and functionality of production fundamentals. Assembling and operation of lighting, sound, electric and production design equipment.

Prerequisite: PROD 100.

PROD 103-3 (BC=3)
(2-0-3) 15 Weeks

Film Production I

Identification of film fundamentals in live action motion picture production. Includes development of basic competence towards all areas of production. Practice of industry etiquette and communication.

PROD 105-3 (BC=3)
(2-0-3) 15 Weeks

Production Safety

Gain an understanding of live production safety elements and attain selected industry approved certifications.

COURSE DESCRIPTIONS

<p>PROD 203-3 (BC=3) (2-0-3) 15 Weeks Film Production II Introduces current practice in professional film production including knowledge and skill development in cinematography, sound, editing and production management. Prerequisite: PROD 103.</p>	<p>PROD 213-4 (BC=4) (2-0-4) Stagecraft I: Building and Scenic Painting Construction of sets and stages for performance and events. Includes elements of scenic painting. Prerequisite: PROD 103.</p>	<p>PROD 301-3 (BC=3) (1-0-5) 15 Weeks Film Projects II Project based collaboration and community of practice. Application of creative, practical and communication skills. Development of professional skills and confidence. Building awareness of role and responsibilities within projects of limited scope. With construct and guidance of instructor students will initiate/execute creative ideas and process. Prerequisite: FTLE 220.</p>
<p>PROD 204-3 (BC=3) (2-0-3) 15 Weeks Film Production III Expands on concepts acquired in Film Production II – with further knowledge and skill development in cinematography, sound, editing, and production management. Prerequisite: PROD 203.</p>	<p>PROD 215-2 (BC=3) (2-0-1) 15 Weeks Sound for Live Entertainment From “talking head” presentations to building sound cues. Exploration of various skills and techniques that go into preparing sound for different aspects of live events. Prerequisite: PROD 100 and PROD 101.</p>	<p>PROD 303-3 (BC=3) (2-0-3) 15 Weeks Film Production IV Examines more advanced practice in professional film production with a focus on industry operations and postproduction skills. Skill development in cinematography, camera operation, lighting, editing, sound, and production management. Flexibility and learning skills needed to acquire specialized expertise are emphasized. Prerequisite: PROD 204.</p>
<p>PROD 205-3 (BC=3) (2-0-3) 15 Weeks Advanced Cinematography I Examines the art, craft, techniques and changing technologies of cinematography including lighting, camera movement, and professional crew responsibilities. Corequisite: PROD 204.</p>	<p>PROD 217-2 (BC=3) (2-0-1) 15 Weeks Projection Media I Examine digital projection and how it is used in the entertainment industry. Explore basic technical and constructive concepts relating to media acquisitions, editing and use. Prerequisite: PROD 100 and PROD 101.</p>	<p>PROD 304-3 (BC=3) (2-0-3) 15 Weeks Film Production V Examines more advanced practice in professional film production with a focus on industry operations and postproduction skills. Skill development in cinematography, camera operation, lighting, editing, sound, and production management. Flexibility and learning skills needed to acquire specialized expertise are emphasized. Builds on skills previously learned in film production. Prerequisite: PROD 303.</p>
<p>PROD 207-2 (BC=2) (1-0-2) 15 Weeks Wardrobe Aesthetics Examination of various textiles, products, and techniques used for characterization in film, stage and live events. Use of cultural and historical motifs to develop a personal aesthetic. Prerequisite: ART 231 OR ART 241.</p>	<p>PROD 219-3 (BC=3) (2-0-2) 15 Weeks Lighting and Projections I Theory and practice in basic electricity, lighting, and projections. Function and operation of professional lighting and projections equipment. Prerequisite: PROD 100 and PROD 101.</p>	<p>PROD 305-3 (BC=3) (2-0-3) 15 Weeks Advanced Cinematography II Expands on current and emerging cinematography practice including visual effects, 3D stereography, and aerial photography. Prerequisite: PROD 205.</p>
<p>PROD 209-3 (BC=3) (2-0-2) 15 Weeks Drafting for the Entertainment Industry Introduction to technical communication techniques within the entertainment industry. Hand drafting and basic CAD will be addressed. Prerequisite: PROD 101.</p>	<p>PROD 221-3 (BC=3) (2-0-2) 15 Weeks Documentary Fundamentals Examine the fundamentals of documentary and non-conventional narrative filmmaking. Experiment with basic documentary production concepts and applying knowledge to projects in the field. Prerequisite: CREA 110.</p>	<p>PROD 307-3 (BC=3) (3-0-0) 15 Weeks Business for Film Production Examines film financing, budgeting, scheduling, and distribution. Includes entertainment law and the societal and political context of the Canadian screen industry. Prerequisite: FTLE 215.</p>
<p>PROD 211-3 (BC=3) (3-0-0) 15 Weeks Entertainment Management I Broad overview and basic understanding of Live Events. Examination of events for cruise ships, concerts, festivals, stage, and corporate events. Insight into primary structures and how they move from conception to completion. Prerequisite: PROD 101.</p>	<p>PROD 300-3 (BC=3) (1-0-5) 15 Weeks Film Projects I Project based collaboration and community of practice. Application of creative, practical and communication skills. Development of professional skills and confidence. Building awareness of role and responsibilities within projects of limited scope. With construct and guidance of instructor students will initiate/execute creative ideas and process. Prerequisite: FTLE 220.</p>	

PROD 309-3 (BC=3) (1-0-5) 15 Weeks Stage Projects I Project based collaboration and community of practice. Application of creative, practical, and communication skills. Development of professional skills and confidence. Building awareness of role and responsibilities within projects of limited scope. With construct and guidance of instructor students will initiate/execute creative ideas and process. Prerequisite: FTLE 220.	PROD 315-3 (BC=3) (3-0-0) 15 Weeks Screenwriting Provides a practical application with appropriate formats and techniques for screenwriting. Includes narrative forms and structure, character and story throughlines, as it relates to film, television, and related areas. Students will apply their knowledge and skills to short screenwriting projects. Prerequisite: FTLE 210.	PROD 327-3 (BC=3) (2-0-3) 15 Weeks CAD and 3D Modeling Explore a variety of techniques and materials used in the building of 3D models of setting and stages for the entertainment industry. Includes hand-built and CAD generated model work. Prerequisite: PROD 209.
PROD 310-3 (BC=3) (1-0-5) 15 Weeks Stage Projects II Project based collaboration and community of practice. Application of creative, practical, and communication skills. Development of professional skills and confidence. Building awareness of role and responsibilities within projects of limited scope. With construct and guidance of instructor students will initiate/execute creative ideas and process. Prerequisite: FTLE 220.	PROD 317-3 (BC=3) (2-0-2) 15 Weeks Projection Media II Continued exploration in creating and editing content of digital media for projection. Practice implementing projection media in the context of the entertainment industry. Prerequisite: PROD 217.	PROD 329-3 (BC=3) (2-0-2) 15 Weeks Design for the Entertainment Industry The examination of how visual design techniques are used for the Entertainment Industry. Emphasis will be on the processes of research, concept development, and communication. Prerequisite: ART 231 or ART 241.
PROD 311-2 (BC=3) (2-0-1) 15 Weeks Entertainment Management II Focuses on the integration of the elements of an event from process to a finished product. Practice application of techniques, information, and protocols from previous knowledge in an event and classroom setting. Prerequisite: PROD 211.	PROD 319-2 (BC=3) (1-0-2) 15 Weeks Lighting and Projections II Experiment, practice, and explore intermediate concepts and applications in lighting and projections. Complex image manipulation methods, colors, textures, lighting and projection equipment. Prerequisite: PROD 219.	PROD 331-3 (BC=3) (2-0-3) 15 Weeks Stagecraft Automation and Rigging Examination of simple and complex automation and rigging in staging for entertainment events. Prerequisite: PROD 313.
PROD 313-3 (BC=3) (2-0-4) 15 Weeks Stagecraft II: Building and Scenic Painting Construction of sets and stages for performance and events. Includes 2D and 3D staging materials. Includes transfer techniques from small to large scale. Prerequisite: PROD 213.	PROD 321-3 (BC=3) (1-0-4) 15 Weeks Event Production I Application of skills in event production including stage, studio, music, film, and other. Student will be assigned to specific roles/responsibilities in accordance with skillset, ability, and leadership. Prerequisite: FTLE 220.	PROD 333-3 (BC=3) (2-0-2) 15 Weeks Sound for Live Bands Explore different facets that go into setting up a sound system for live music and how to mix live bands, from a bare stage to a full sound set-up. Analyze simple to intermediate live mixing concepts and techniques. Discuss, explore, and play with the behaviour of sound.
	PROD 322-3 (BC=3) (1-0-4) 15 Weeks Event Production II Application of skills in event production including stage, studio, music, film, and other. Student will be assigned to specific roles/responsibilities in accordance with skillset, ability, and leadership. Prerequisite: FTLE 220.	PROD 335-3 (BC=3) (2-0-3) 15 Weeks Props Stage and Screen The analysis, acquisition, adaptation and construction of scenic props for both stage and screen. Budgeting, script analysis, research, design development. Experimentation with new materials and animatronic effects. Prerequisite: FTLE 220.
	PROD 325-3 (BC=3) (2-0-3) 15 Weeks Post Production II Expands on current and emerging post production practice including visual effects, 3D Stereography, and colour correction. Prerequisite: AVFX 209.	PROD 337-3 (BC=3) (0-0-6) 15 Weeks Productions The research, rehearsal, and performance of plays or created work for performance before an audience. Prerequisite: ACT 203.

Psychology

Note: Not all courses listed may be offered.
Check Course Timetable for availability.

PSYC 205-3 (BC=3)

(3-0-0) 15 weeks

Lifespan Development

Explore physical, cognitive, social and personality development from conception to death from a developmental perspective. Examine theories, research, and applications of lifespan development.

Note: For OPTA students only.

This course does not fulfill the developmental psychology requirement for the BA Psychology major.

PSYC 260-3 (BC=3)

(3-0-0) 15 weeks

Principles of Psychology I

Discover the fundamental terminology, procedures, findings and theories related to basic psychological processes. Explore the history and nature of psychology and research methods in this field. Learn about the psychological and biological foundations of behaviour, sensation and perception, consciousness, learning, memory, language and thought.

PSYC 261-3 (BC=3)

(3-0-0) 15 weeks

Principles of Psychology II

Identify fundamental terminology, procedures, findings, and theories related to individual, social, and abnormal behaviour. Topics may include intelligence, problem solving, creativity, motivation and emotion, lifespan development, personality, psychological disorders and treatments, health, stress and coping, and social behaviour. Prerequisite: PSYC 260.

PSYC 305-3 (BC=3)

(3-0-0) 15 weeks

History of Psychology

Examine the roots of psychological thought as a discipline and the relationship between theories of human nature and changing social institution.

Prerequisite: PSYC 260 & PSYC 261.

PSYC 313-3 (BC=4)

(3-0-2) 15 weeks

Research Methods

Examine the research methods commonly used in psychological research.

Prerequisite: PSYC 260

Prerequisite or Corequisite: PSYC 261

Note: Credit will not be given for both PSYC 312 and PSYC 313.

PSYC 314-3 (BC=4)

(3-0-2) 15 weeks

Data Analysis

Explore and Practice statistics used in psychological research, with an emphasis on conducting and interpreting inferential statistical techniques. Become acquainted with widely-used statistical software. Learn to communicate quantitative data in statistics, graphs and tables.

Prerequisite: Math 30-1 or 30-2 or equivalent and PSYC 260

Prerequisite or Corequisite: PSYC 261

Note: Credit will not be given for both PSYC 312 and PSYC 314.

PSYC 321-3 (BC=3)

(3-0-0) 15 weeks

Industrial Organizational Psychology

Examine career development, performance, motivation, conditions of work, employee selection and training, and organizational behaviour.

Prerequisite: PSYC 260 & PSYC 261 or consent of the Department.

PSYC 341-3 (BC=3)

(3-0-0) 15 weeks

Social Psychology

Examine research on and real-life applications of topics such as self and social perception, social cognition; prejudice, stereotyping, discrimination; attitude formation and persuasion; conformity and obedience; affiliation and attraction; pro- and anti social- behaviours; and applied social psychology (environment, law, health).

Prerequisite: PSYC 260 & 261 or SOCI 260 & SOCI 261.

PSYC 347-3 (BC=3)

(3-0-0) 15 weeks

Psychology of Gender

Examine psychological perspectives on gender including the nature of gender, alternative expressions of gender (e.g. transgenderism), the reproduction of gender through social institutions, gender similarities and differences, feminism, and gender stereotypes, sexism, and discrimination.

Prerequisite: PSYC 260 and PSYC 261.

PSYC 353-3 (BC=3)

(3-0-0) 15 weeks

Child Development

Examine theory and research related to physical, cognitive, emotional and social development across infancy and childhood.

Prerequisite: PSYC 260 and PSYC 261.

PSYC 355-3 (BC=3)

(3-0-0) 15 weeks

Adolescence

Examine theory and research related to physical, cognitive, emotional, and social development across adolescence.

Prerequisite: PSYC 260 and PSYC 261.

PSYC 357-3 (BC=3)

(3-0-0) 15 weeks

Adulthood and Aging

Examine theory and research related to physical, cognitive, emotional, and social development across adulthood.

Prerequisite: PSYC 260 and PSYC 261.

PSYC 358-3 (BC=3)

(3-0-0) 15 weeks

Cognitive Psychology

Survey major theoretical approaches and research in areas such as perception, attention, memory, the representation of knowledge, language, reasoning and problem solving.

Prerequisite: PSYC 260 & PSYC 261

Note: For U of A bound students only, the additional prerequisite or co-requisite of either STAT 251 or PSYC 314 is required.

PSYC 367-3 (BC=3)
(3-0-0) 15 weeks

Human Sexual Behaviour

Explore and integrate scientific applications from biology, medicine, anthropology, anatomy, law, social sciences, and psychology offering a multidisciplinary perspective of human sexuality within the framework of diversity.

Prerequisite: PSYC 260 and PSYC 261.

PSYC 368-3 (BC=3)
(3-0-0) 15 weeks

Principles of Learning

Synthesize contemporary and traditional theories of learning and memory for the development of target behaviours. Assimilate psychological applications including behavioural modifications in humans.

Prerequisite: PSYC 260 & PSYC 261.

PSYC 369-3 (BC=3)
(3-0-0) 15 weeks

Sensation and Perception

Learn to distinguish between sensation and perception. Explore the senses of vision, audition, smell, taste and touch. Learn how the sensory organs transform energy into brain signals.

Prerequisite: PSYC 260 & PSYC 261

Note: For U of A bound students, the additional prerequisite or co-requisite of either STAT 251 or PSYC 314 is required.

PSYC 375-3 (BC=3)
(3-0-0) 15 weeks

Brain and Behaviour

Synthesize scientific evidence on the neural mechanisms related to sensation, movement, learning, motivation, emotion, and cognition in humans and other animals. **Prerequisite:** PSYC 260.

PSYC 377-3 (BC=3)
(3-0-0) 15 weeks

Human Neuropsychology

Explore the connection between brain and behaviour with a particular focus on human cognitive function and dysfunction. Assimilate scientific evidence on the neural substrates of specific cognitive functions and related disorders.

Prerequisite: PSYC 375.

PSYC 380-3 (BC=3)
(3-0-0) 15 weeks

Positive Psychology

Examine research on and real-life applications of topics such as resilience, personal growth, strengths, optimism, gratitude, compassion, kindness, happiness, positive coping, health and well being, mindfulness, spirituality, flourishing relationships, positive institutions, and building better communities.

Prerequisite: PSYC 260 & PSYC 261.

PSYC 383-3 (BC=3)
(3-0-0) 15 weeks

Personality

Survey theory and research related to the major approaches in the study of personality.

Prerequisite: PSYC 260 & PSYC 261.

PSYC 389-3 (BC=3)
(3-0-0) 15 weeks

Abnormal Psychology

Examine contemporary views of the nature, development, and treatment of psychological disorders.

Prerequisites: PSYC 260 & PSYC 261

Note: Not to be taken by students who have credit in PSYC 489.

PSYC 391-3 (BC=3)
(3-0-0) 15 weeks

Health Psychology

Examine the relationship of psychology to illness and related dysfunction, promotion and maintenance of health, and the health care system.

Prerequisite: PSYC 260 & PSYC 261.

Science

SCIE 2101-3 (BC=3)
(3-0-0) 15 weeks

Contemporary Issues in Science

Examine contemporary issues in science through engagement with primary scientific literature and lay literature. Explore communication strategies used by science communicators. Analyze controversial data to select strategies for discourses on contemporary issues.

Prerequisite: 15 credits of university level science courses.

SCIE 4901-3 (BC=3)
(120 work hours) 15 weeks

Applied Study

Credit for discipline-specific learning through volunteer or work experiences completed in conjunction with a faculty supervisor.

Prerequisite: Permission of the department.

Social Work

(Open to Social Work students only.)

SOWK 201-3 (BC=3)
(3-0-0) 15 weeks

Social Work Practice I

Introduction to helping relationships including the use of communication and counselling skills for ethical and anti-oppressive social work practice.

Corequisite: SOWK 204, SOWK 214.

SOWK 202-3 (BC=3)
(3-0-0) 15 weeks

Social Work Practice II

Develop assessment and intervention strategies for working with individuals in social work practice. Examine change through the lens of developing a working alliance, and reflect on use of self, and effective use of skills.

SOWK 204-3 (BC=3)
(3-0-0) 15 weeks

Ethics in Social Work Practice

Explore ethical principles, codes, and frameworks for decision-making in social work practice. Reflect on the interaction of personal and professional values.

SOWK 207-3 (BC=3)
(3-0-0) 15 weeks

Introduction to Social Welfare

Introduction to the history of social welfare and social services with a focus on Canada. Explores role of social work in colonization; explores populations involved with service delivery systems; reflects on personal views; explores marginalization, oppression, social justice, and human rights.

SOWK 209-4 (BC=5)
(240 hours)
Field Work I

Application of in-class learning to a fieldwork setting, including building professional relationships and ethical conduct in a social work setting.

Prerequisite: SOWK 212

Prerequisite or corequisite: SOWK 202

SOWK 212-1 (BC=1)
(0-3-0) 15 weeks
Preparation for Practice

Focus on professional practice in service delivery settings.

Prerequisite or corequisite: SOWK 201, SOWK 204, SOWK 214

SOWK 214-3 (BC=3)
(3-0-0) 15 weeks
Reconciliation through Social Work

Introduces the impact of colonization on Indigenous and non-Indigenous Canadians from a Social Work perspective. Focus is on reconciliation in preparation for practice.

SOWK 301-3 (BC=3)
(3-0-0) 15 weeks
Social Work Practice with Families

Examine social work practice with diverse family forms across their lifespan. Expand upon strategies for interviewing, assessment, and intervention.

Prerequisite: SOWK 202.

SOWK 304-3 (BC=3)
(3-0-0) 15 weeks
Social Work Practice with Groups and Communities

Examine theories and models of group work and community organization with contextual applications. Evaluate self as a group member, leader, and community organizer.

Prerequisite: SOWK 202

SOWK 306-3 (BC=3)
(3-0-0) 15 weeks
Leadership in Social Work

Examine effective leadership and management through a social work lens. Apply leadership and management theories to social services delivery and to programs and program evaluation.

Prerequisite: SOWK 202, SOWK 207.

SOWK 307-3 (BC=3)
(3-0-0) 15 weeks
Social Policy

Examine the function of social policy in social work practice and service delivery, including development, influences, analysis of needs and gaps, and strategies for promoting change.

Prerequisite: SOWK 207, SOWK 214.

SOWK 308-4 (BC=5)
(240 hours)
Field Work II

Demonstrate social work skills in supervised field setting while employing self-care and reflective practice.

Prerequisite or Corequisite: Successful completion of all first year SOWK courses and SOWK 301 or permission of the Department.

SOWK 309-4 (BC=5)
(240 hours)
Field Work III

Practice social work in supervised field work setting. Demonstrate professional knowledge, skills, and ethics, and the contribution to one's practice framework.

Prerequisite: SOWK 308.

SOWK 312-3 (BC=3)
(3-0-0) 15 weeks
Current Trends and Issues in Social Work

Explore current trends and issues in social work practice and how they relate to social issues. Examine selected trauma issues relevant in Canadian society using a structural anti-oppressive framework. Develop critical consciousness to support practice with clients in a variety of settings and contexts.

Prerequisite: SOWK 307, SOWK 304, SOWK 315

Note: Not eligible for challenge and Advanced Standing.

SOWK 315-3 (BC=3)
(3-0-0) 15 weeks
Social Work Research

Examine Social Work research methodologies and their application in practice.

Prerequisite: SOWK 307, SOWK 304 or permission of the department.

Sociology

Note: Not all courses listed may be offered. Check Course Timetable for availability.

SOCI 260-3 (BC=3)
(3-0-0) 15 weeks
Introduction to Sociology

Introduce sociological perspectives, methods, and concepts used to analyze social behaviour. Examine how culture, socialization, institutions, and interactions impact on social life.

SOCI 261-3 (BC=3)
(3-0) 15 weeks
Canadian Society

Examines the structure and functioning of Canadian society, including political, economic, cultural and value structures and processes.

Prerequisite: SOCI 260.

SOCI 301-3 (BC=3)
(3-0-0) 15 weeks
Sociology of Gender

Examine gender and sex roles in contemporary Canadian society. Introduce theories of gender and sex role behaviour focusing on the social construction of gender. Examine gender along four dimensions: interactional, individual, institutional, and cultural.

Prerequisite: SOCI 260.

SOCI 305-3 (BC=3)
(3-0-0) 15 weeks
Selected Topics in Sociology

Examination of selected social issue or problem from a sociological perspective. Analysis of selected topic using sociological research, theory and concepts.

Prerequisite: SOCI 260

Note: This course may be repeated for credit.

SOCI 307-3 (BC=3)
(3-0-0) 15 weeks
Indigenous Peoples in Canada

Examine the historical and contemporary context and experiences of Indigenous peoples in Canada. Analyze the dynamics of Indigenous groups' relations with each other and with the larger Canadian society, particularly in relation to prejudice, discrimination, colonialism, and power.

Prerequisite: SOCI 260.

SOCI 310-3 (BC=4) (3-0-3) 15 weeks Social Statistics I Assess statistical reasoning and techniques used by sociologists to summarize data and test hypotheses. Examine sampling distributions, descriptive statistics, inferential statistics, univariate and bivariate analyses, parametric and non-parametric tests. Prerequisite: SOCI 260.	SOCI 325-3 (BC=3) (3-0) 15 weeks Criminology Discuss criminal behavior from a sociological perspective. Apply theoretical explanations to various types of criminal behavior and assess strategies for prevention. Describe various measures of criminality and victimization. Prerequisite: SOCI 260.	SOCI 344-3 (BC=3) (3-0-0) 15 weeks Mass Media and Popular Culture Analyze various forms of mass media and popular culture such as music, television, film, advertising, sports, fashion, and social media. Focus on the interaction between media/popular culture and society, including economics, politics, ideology, and inequality. Prerequisite: SOCI 260.
SOCI 312-3 (BC=4) (3-0-3) 15 weeks Social Research Methodology Appraise research design, data collection, and data processing strategies used by sociologists. Examine research values, ethics, measurement, sampling, experimentation, survey research techniques, historical methods, field research, and content analysis. Prerequisite: SOCI 260.	SOCI 327-3 (BC=3) (3-0) 15 weeks Criminal Justice and Crime Control Examine social responses to crime in relation to specific crime issues. Consider how crime control strategies are developed and executed. Consider how various stages of justice system function together. Examine changing directions of crime control. Evaluation of formal and informal crime control responses. Prerequisite: SOCI 325.	SOCI 363-3 (BC=3) (3-0-0) 15 weeks Sociology of Work Examine meanings, trends, structures, and social relations related to paid and unpaid work in Canada. Use sociological theories to consider the nature and impacts of the changing nature of work in contemporary society. Prerequisite: SOCI 260.
SOCI 315-3 (BC=4) (3-0-3) 15 weeks Social Statistics II Expand training in quantitative methods employed extensively in the social sciences in general and sociology in particular. Examines bivariate ordinary least squares (OLS) regression, multivariate regression techniques, non-linear relationships, interaction analysis, and logistic regression. Prerequisite: SOCI 310.	SOCI 332-3 (BC=3) (3-0-0) 15 weeks Classical Sociological Theory Explore the historical context of the development of classical sociological theory. Examine theories of Karl Marx, Emile Durkheim, Max Weber, Charlotte Perkins Gilman, W.E.B. Du Bois and others. Use classical social theory to analyze social issues. Prerequisite: SOCI 260.	SOCI 365-3 (BC=3) (3-0-0) 15 weeks Social Stratification Employ sociological perspective to a study of social inequality in Canada. Examine the bases of social inequality, such as class, gender, age, and ethnicity; and the intersectionality of these bases of social inequality. Analyze the causes and consequences of social inequality and their policy implications. Prerequisite: SOCI 260.
SOCI 322-3 (BC=3) (3-0) 15 weeks Social Issues in Canada A survey course on social issues in Canada. Regional and national scope will be covered in such areas as health, safety, the economy, the environment, community belonging, integration of newcomers and education. Prerequisite: SOCI 310 or SOCI 312 or consent of the department. Note: You cannot receive credit for SOCI 322 if you have previously taken ANTH 357.	SOCI 333-3 (BC=3) (3-0-0) 15 weeks Contemporary Sociologic Theory Examine the ideas of key twentieth and twenty-first century social theorists with a focus on contemporary sociological theory, with focus on Structural Functionalism, Critical Theory, Exchange Theory, Symbolic Interactionism, Poststructuralism, Postmodernism, and theories of Globalization. Analyze social issues using contemporary sociological theory. Prerequisite: SOCI 332.	SOCI 368-3 (BC=3) (3-0-0) 15 weeks Race and Ethnicity in Canada Examine racial and ethnic differences and inequalities as social constructs and in relation to prejudice, discrimination, colonialism, assimilation, power, and prestige. Use sociological theories to examine the diversity in historical background and contemporary social status of a variety of groups in Canada. Prerequisite: SOCI 260.
SOCI 323-3 (BC=3) (3-0-0) 15 weeks Sociology of Poverty Examine poverty from a sociological perspective. Explore the meaning and experience of poverty in a Canadian context. Analyze the ability of sociological explanations to inform poverty reduction. Prerequisite: SOCI 260.	SOCI 341-3 (BC=3) (3-0) 15 weeks Social Psychology Note: This course is not currently offered. If you wish to take Social Psychology, register for PSYC 341 (3-0), which carries an identical program credit at the University of Alberta. Prerequisite: SOCI 260/261 or PSYC 260/261.	SOCI 371-3 (BC=3) (3-0-0) 15 weeks Sociology of Families Examine how social factors influence the ever changing experiences, transitions and trends in the formations, functions, and relations of North American Families. Analyze specific family issues such as intimate partnerships, parenting, divorce, violence, and poverty from sociological perspectives. Prerequisite: SOCI 260.

SOCI 373-3 (BC=3)**(3-0-0) 15 weeks****Sociology of Aging**

Examine aging as a socio-cultural phenomenon with a focus on social and institutional factors associated with aging in modern society. Analyze the nature and impacts of populating aging. Explore the aging processes in relation to culture, work, housing, health, and family in Canadian society.

Prerequisite: SOCI 260.

SOCI 374-3 (BC=3)**(3-0-0) 15 weeks****Sociology of Health and Illness**

Examine how social factors influence knowledge, treatments, experiences of disease, and approaches for disease prevention. Explore the ethics of health research, practices, and problems experienced by healthcare providers. Assess the Canadian healthcare system focusing evaluations on issues of delivery, financing or allocation.

Prerequisite: SOCI 260.

SOCI 376-3 (BC=3)**(3-0) 15 weeks****Sociology of Religion**

Utilize the theories and concepts utilized by sociologists to interpret religious behaviour and the organization of religion. Examine the interconnection between religion, culture, and society from different sociological perspectives.

Prerequisite: SOCI 260.

Spanish

Note: 100-level language courses are intended for students with little or no background in the language. Students who have high school matriculation in the language, or who are taking a 100-level course to meet a university's matriculation requirements, may be denied transfer credit. Check the Transfer Guide and with the university.

SPAN 101-3 (BC=4)**(4-1) 15 weeks****Beginners' Spanish I**

Beginning to learn Spanish. Understanding, speaking, reading and writing. The oral aspect of the language is stressed in class.

SPAN 102-3 (BC=4)**(4-1) 15 weeks****Beginners' Spanish II**

For students who have taken SPAN 101. The oral aspect of the language is stressed in class.

Prerequisite: SPAN 101 or equivalent.

SPAN 201-3 (BC=4)**(4-1) 15 weeks****Intermediate Spanish I**

Spoken and written Spanish, including grammar, composition, literature and conversation. The literature includes works of modern authors.

Prerequisite: Spanish 30 or SPAN 102 or equivalent.

SPAN 202-3 (BC=4)**(4-1) 15 weeks****Intermediate Spanish II**

The continuation of SPAN 201. Spoken and written Spanish, including grammar, composition, literature and conversation. The literature includes works of modern authors.

Prerequisite: SPAN 201 or equivalent.

Statistics

Note: Not all courses listed may be offered. Check Course Timetable for availability.

STAT 251-3 (BC=4)**(3-0-2) 15 weeks****Introductory Statistics**

Explore methods for the collection, organization and summarization of data. Interpret the concepts of probability and distributions in order to make inferences about quantitative problems in applied settings.

Prerequisite: Math 30-1 or Math 30-2.

Anti-requisite: STAT 241, PSYC 309, SOCI 311, and BUS 306.

Theatre and Entertainment Production

Note: Courses open to Theatre & Entertainment Production students only

THTR 105-2 (BC=2)**(120 hrs minimum)****Production Crew I**

This course will be the first introduction of the student to a working knowledge of the technical aspects of entertainment production. Students will apply course instructed learning, including those of stagecraft, drafting, prop building, lighting, sound, and stage management, as well as continued hands-on learning. Students will be assigned to a designated technical area, as well as expected hours of participating in other areas within various productions and events. Students will be assisted by 2nd year students, and instructed by a department technical instructor.

Corequisite: THTR 125 and consent of the Department.

THTR 106-2 (BC=2)**(120 hrs minimum)****Production Crew II**

Continued theoretical and practical instruction towards a working knowledge of the technical aspects of entertainment production.

Prerequisite: THTR 105 and consent of the Department.

THTR 107-2 (BC=2)**(120 hrs minimum)****Production Crew III**

Continued theoretical and practical instruction towards a working knowledge of the technical aspects of entertainment production. The work may be a new application of practical skills, or be an opportunity to redevelop and strengthen current skills.

Prerequisite: THTR 106 and consent of the Department.

THTR 118-3 (BC=3) (48 hrs) Scenic Props Introduction to the theory and techniques of developing scenic props. Presented in workshop format.	THTR 158-3 (BC=3) (40 hrs) Drafting for the Entertainment Arts Introduction to technical communication techniques within the entertainment industry. Emphasis on theatrical drafting, drafting conventions and types of working drawings as important elements in the communication of technical and design requirements.	THTR 206-3 (BC=3) (180 hrs minimum) Applied Practice and Theory II Theoretical and practical instruction in the production of entertainment events through involvement in theatre and entertainment productions. Students will have the opportunity to redevelop and strengthen previously acquired skills, or they may be assigned to a position meant to introduce new skills. Students will be assigned a designated area of responsibility within various productions and events. Prerequisite: THTR 205 and consent of the Department.
THTR 125-4 (BC=4) (74 hrs) Introduction to Stagecraft I Entertainment production techniques including stage and shop safety, scenic carpentry. Strong hands-on component.	THTR 168-2 (BC=2) (36 hrs) Stage and Event Management Introduction to fundamentals of the production process in management and communication skills for the entertainment industry.	THTR 207-3 (BC=3) (180 hrs minimum) Applied Practice and Theory III Theoretical and practical instruction in the production of entertainment events. Students will be able to continue refining skills and working on communication and team building skills required in the entertainment industry. Students will be assigned a designated area of responsibility within various productions and events where they will work with first year students in a supervisory role. Prerequisite: THTR 206 and consent of the Department.
THTR 126-3 (BC=3) (48 hrs) Stagecraft II Continued study of entertainment production techniques, including continued stage and shop safety, scenic carpentry, and theatrical rigging. Prerequisite: THTR 125.	THTR 176-3 (BC=3) (40 hrs) History and Analysis of Entertainment Production The study of design processes for the entertainment industry. Emphasis will be placed on technical connections to historical theatre and will examine a variety of processes used in project analysis for live performances. Learning and using research skills and problem-solving pathways are the primary course objectives Corequisite: THTR 158.	
THTR 135-2 (BC=2) (44 hrs) Sound for the Entertainment Industry Theory and practice in basic sound for the entertainment industry. Examining the function and operation of professional sound equipment and the fundamentals of sound design.	THTR 205-3 (BC=3) (180 hrs minimum) Applied Practice and Theory I Theoretical and practical instruction in the production of entertainment events through involvement in theatre and entertainment productions. This will allow students to implement and refine skills previously acquired, in both class and practical work. Students will be assigned a designated area of responsibility within various productions and events. Prerequisite: THTR 107 and consent of the Department.	THTR 215-2 (BC=2) (36 hrs) Scenic Painting This course will teach the student a systematic approach to painting theatrical scenery. The class will examine traditional scene painting techniques and the tools and materials that have been developed to support those techniques. Instructed by department staff. Prerequisite: THTR 176.
THTR 136-2 (BC=2) (41 hrs) Sound for Live Events Continued theory and practice in basic sound for the entertainment industry. Examine the function and operation of professional sound equipment, and the fundamentals of sound design. Prerequisite: THTR 135.		
THTR 145-2 (BC=2) (42 hrs) Lighting for the Entertainment Industry I Theory and practice in basic electricity for the theatre. Function and operation of professional lighting equipment.		THTR 258-3 (BC=3) (40 hrs) Drawing as Communication Introduction to perspective rendering and figure drawing as a communication tool within the production processes of entertainment events. Prerequisite: THTR 158.
THTR 146-2 (BC=2) (41 hrs) Lighting for the Entertainment Industry Continued theory and practice in basic electricity for the entertainment and theatre. Function and operation of professional lighting equipment. Prerequisite: THTR 145.		

THTR 265-2 (BC=2) (30 hrs) Stage and Event Management II Continued management and communication skills for the entertainment industry. Prerequisite: THTR 168.	THTR 296-3 (BC=3) (56 hrs) Intensive Series II Theatre and entertainment production advanced study intensives. Students will be able to choose areas of interest in the entertainment industry to study at a more advanced level. Prerequisite: THTR 295.	THTR 120-3 (BC=3) (44 hrs) The Expressive Body I An introduction to physical techniques and practices as it relates to theatre acting and creation work.
THTR 278-5 (BC=5) (80 hrs) Design and Visual Communication within the Entertainment Industry Examining the creative techniques and visual communication of theatrical design from concept to final presentation. Emphasis will be made on the various forms of communication used by designers. This course will implement skills previously acquired, including those of drawing, drafting, prop building, lighting and stagecraft. Prerequisite: THTR 176.	THTR 297-3 (BC=3) (64 hrs) Intensive Series III Theatre and entertainment production advanced studies intensives. Students will be able to choose areas of interest at a more advanced level in order to reinforce career choices. Prerequisite: THTR 296.	THTR 121-3 (BC=3) (40 hrs) The Expressive Body II Continued development of physical techniques and practices as it relates to theatre acting and creation work. Prerequisite: THTR 120.
THTR 285-2 (BC=2) (30 hrs) Professional Development I Researching and developing life-skills and career paths within the Entertainment industry. Accessing information from contacts with educators, practicing professionals, and employers in the entertainment industry.	<hr/> <h2 style="text-align: center;">Theatre Performance and Creation</h2> <p style="text-align: center;">Note: Courses open to Theatre Performance & Creation students only</p>	
THTR 286-2 (BC=2) (42 hrs) Professional Development II Researching and developing life-skills and career paths within the Entertainment industry. Accessing information from contacts with educators, practicing professionals, and employers in the entertainment industry. Prerequisite: THTR 285.		
THTR 295-2 (BC=2) (24 hrs) Intensive Series I Students will be able to choose areas of interest in the entertainment industry to study at a more advanced level. Material may be presented in workshop, classroom, or through hands-on work. Prerequisite: THTR 126 and consent of the Department.	THTR 100-2 (BC=2) (33 hrs) Theatre Research & Development I An introduction for the theatre artist into the practical and theoretical approaches to play analysis, theatrical forms and styles.	THTR 130-3 (BC=3) (44 hrs) The Expressive Voice I Introduction to the techniques and practices of voice training as it relates to theatre acting, singing and creation work.
	THTR 101-2 (BC=2) (30 hrs) Theatre Research & Development II Continued practical and theoretical investigation of plays, theatrical forms and styles. Prerequisite: THTR 100.	THTR 131-3 (BC=3) (40 hrs) The Expressive Voice II Continued development of voice techniques and practices as it relates to theatre acting, singing and creation work. Prerequisite: THTR 130.
	THTR 110-1 (BC=1) (11 hrs) The Business of Theatre I Introduction to the business of theatre as it pertains to the individual theatre artist.	THTR 140-3 (BC=3) (30 hrs class/36 hrs lab) Acting I An introduction to improvisation as it relates to the process of acting and creating for the theatre.
	THTR 111-1 (BC=1) (10 hrs) The Business of Theatre II Continued investigation of the business of theatre as it pertains to the individual theatre artist and theatre collaborators. Prerequisite: THTR 110.	THTR 141-3 (BC=3) (30 hrs class/30 hrs lab) Acting II Continued exploration of the acting and creation process as it relates to theatre text. Prerequisite: THTR 140.
		THTR 150-2 (BC=2) (90 hrs) Theatre Artist Studio I An introductory level of competencies for further training practices, rehearsal processes and presentations of published plays, new plays and/or self-created works as it relates to ensemble theatre creation and performance.

THTR 151-3 (BC=3) <i>(135 hrs)</i> Theatre Artist Studio II An intermediate level of competencies for rehearsal and performance of published plays, new plays and/or self-created works as it relates to ensemble theatre creation and performance. Prerequisite: THTR 150.	THTR 250-3 (BC=3) <i>(135 hrs)</i> Theatre Artist Studio III An advanced level of rehearsal process and performance as it relates to a piece of theatre (published, new work or self creation) and/or placement in a theatre related field study environment. Prerequisite: THTR 151.	TVOC 012-2 (BC=2) <i>(2-0) 15 weeks</i> Recreation and Community Living Studying basic concepts of fitness, nutrition and lifestyle planning. Identifying services provided by local community agencies and facilities.
THTR 160-3 (BC=3) <i>(40 hrs)</i> Introduction to Devising Theatre An introduction to concepts and alternative approaches for devising original theatre pieces. Prerequisite: ENGL 219 and THTR 140.	THTR 251-5 (BC=5) <i>(225 hrs)</i> Theatre Artist Studio IV An advanced level of rehearsal process and performance as it relates to a piece of theatre (published, new work or self creation) and/or placement in a theatre related field study environment. This course will also focus on self created solo performance along with preparation for entering the professional realm of theatre or going on to further advanced levels of training. Prerequisite: THTR 250.	TVOC 013-5 (BC=5) <i>(300 hours) 15 weeks</i> Jobsite Skills Training I "Hands-on" skill training in the employment area best suited to your interests and abilities. Three days per week.
THTR 200-1 (BC=1) <i>(18 hrs)</i> Theatre Research and Development III Advanced practical and theoretical investigation of theatre text, form and styles. Prerequisite: THTR 101.	THTR 260-8 (BC=8) <i>(120 hrs class/30 hrs lab)</i> Creative Fusion An intense advanced level laboratory integrating disciplines of the theatre as they relate to solo and group theatre creation and performance. This course, taught by a team of specialists, will have students applying advanced levels of movement, acting and voice skills for development and presentation of both published works and self created works. Prerequisite: THTR 220, THTR 230, THTR 240 & THTR 160.	TVOC 014-3 (BC=3) <i>(3-0) 16 weeks</i> Interpersonal Skills Communicating with others in the most effective way. Conflict resolution skills, assertiveness, problem-solving and stress management.
THTR 210-1 (BC=1) <i>(9 hrs)</i> The Business of Theatre III Further investigation of the business of theatre as it pertains to the individual theatre artist and the global theatre industry. Prerequisite: THTR 111.		TVOC 015-3 (BC=3) <i>(3-0) 16 weeks</i> Skills for Employment Exploring occupational choices and looking at individual abilities and interests. Learning and practicing job search techniques.
THTR 220-3 (BC=3) <i>(36 hrs)</i> The Expressive Body III Advanced application of physical expression techniques and practices as it relates to theatre acting and creation work. Prerequisite: THTR 121.		TVOC 016-3 (BC=3) <i>(3-0) 16 weeks</i> Skills for Independence Combines skills necessary for banking and budgeting with skills needed for wise shopping and having an apartment.
THTR 230-3 (BC=3) <i>(36 hrs)</i> The Expressive Voice III Advanced application of voice techniques and practices as it relates to theatre acting, singing and creation work.		TVOC 017-5 (BC=5) <i>(320 hours) 16 weeks</i> Jobsite Skills Training II "Hands-on" skill training in the employment area best suited to your interests and abilities. Three days per week.
THTR 240-3 (BC=3) <i>(30 hrs class/24 lab)</i> Acting III Advanced application of the acting and creation process as it relates to theatre styles. Prerequisite: THTR 141.	<hr/> <h2>Transitional Vocational</h2> <hr/> TVOC 010-4 (BC=4) <i>(4-0) 15 weeks</i> Self-Awareness Developing and increasing your understanding of self and how you present that to others.	TVOC 018-5 (BC=5) <i>(240 hours) 8 weeks</i> Block Practicum Full-time work experience in the field you want to find a job in. Hours of work during this placement will vary depending on the business requirements.
	TVOC 011-4 (BC=4) <i>(4-0) 15 weeks</i> Vocational Preparation Introduction to the world of work. Examining reasons for working, areas that influence success on the job, getting a job, and keeping it.	

Unit Clerk

UNIT 100-3 (BC=3)*(0-2-0 - 68 lab hours)***Computer Skills**

Develop computer skills critical for success in the Unit Clerk field.

Prerequisite: None.

Prior Learning recognition, based on a skills appraisal, is available for students with computer skills but application for PLAR must be completed by the Add/Drop date.

UNIT 101-1 (BC=1)*(42 lab hours)***Keyboarding**

Develop keyboarding speed and accuracy.

UNIT 102-4 (BC=4)*(60 hours)***Medical Terminology**

Using and interpreting medical terminology, abbreviations and symbols commonly used in the health care system.

UNIT 103-7 (BC=7)*(105 hours)***Processing Medical Orders**

Develop processing, critical thinking and problem solving skills by completing thorough and accurate medical orders.

Prerequisite or Corequisite: UNIT 102.

UNIT 105-2 (BC=2)*(145 hours)***Preceptored Practice**

Demonstrate integration and consolidation of knowledge, skills, attitudes, behaviours and judgment within the context of a comprehensive Unit Clerk practice setting.

Prerequisite: Unit Clerk 100, 101, 102, 103, 106, 107.

UNIT 106-2 (BC=2)*(2-0-0 - 32 hours)***Exploring the Role of the Unit Clerk**

Develop the skills, attitudes and behavior necessary to perform the role of the Unit Clerk.

UNIT 107-3 (BC=3)*(45 hours)***Essential Communication Skills for Unit Clerks**

Develop interpersonal communication skills, practice oral presentation skills, apply professional skills, and create an effective resume.

ADULT BASIC EDUCATION COURSES

Note: Not all courses listed may be offered.
Check Course Timetable for availability.

Mathematics

MATH 038-5 (BC=5)
(5-0) 15 weeks

Basic Math

Basic skills in adding, subtracting, multiplying and dividing whole numbers, plus an introduction to fractions.

Note: May not be offered every year.

MATH 039-5 (BC=5)
(5-0) 15 weeks

Basic Math

Understanding fractions, decimals, geometry, measurement.

MATH 040-5 (BC= 5)
(5-0) 15 weeks

Basic Math

A review of fractions and whole numbers, plus concentration on decimals, percent, ratio and proportion, measurement, and graphing.

Reading

READ 038-5 (BC=5)
(5-0) 15 weeks

Basic Reading

A structured reading course which provides basic reading skills and improves vocabulary. Students entering this level may have limited reading skills.

Note: May not be offered every year.

READ 039-5 (BC=5)
(5-0) 15 weeks

Basic Reading

Students will read a variety of materials more fluently. Vocabulary development and reading comprehension are stressed.

Note: May not be offered every year.

READ 040-5 (BC=5)
(5-0) 15 weeks

Basic Reading

Increased focus on improving reading skills, enriching vocabulary and developing critical thinking skills. Students entering this level are reasonably fluent readers.

Writing

WRIT 038-5 (BC=5)
(5-0) 15 weeks

Basic Writing

Sentences, simple paragraphs, spelling, and phonics. Students entering this level may have limited writing skills.

Note: May not be offered every year.

WRIT 039-5 (BC=5)
(5-0) 15 weeks

Basic Writing

Sentence construction and paragraphs, spelling rules and strategies, journal writing. Introduction to grammar.

Note: May not be offered every year.

WRIT 040-5 (BC=5)
(5-0) 15 weeks

Basic Writing

Concentration is now focused on writing clearly and confidently to prepare for further studies or employment. Includes a study of grammar.

ACADEMIC UPGRADING COURSES

Note: You must have strong prerequisite skills to be successful in higher course levels.

Note: Some courses in our program may be taken through independent study subject to Associate Dean approval.

Adult Development

ADEV 068-1 (BC=1)

(0-1-0) 15 weeks

Supported Study I

Participate in a systemic approach to study activities to improve academic and personal skills. Identify resources to support learning. Plan and record 15 hours of activities that engage various supportive resources (for example: instructor consultations, tutoring supports, library learning supports, campus service centres, online study modules, or peer study groups).

ADEV 069-2 (BC=2)

(0-2-0) 15 weeks

Supported Study II

Participate in a systemic approach to study activities to improve academic and personal skills. Identify resources to support learning. Plan and record 30 hours of activities that engage various supportive resources (for example: instructor consultations, tutoring supports, library learning supports, campus service centres, online study modules, or peer study groups).

Biology

BIOL 085-5 (BC=6)

(5-0-1) 15 weeks

Introductory Biology

For students with no biology background. Basic environmental biology. Photosynthesis and cellular respiration. Human systems. Lab work is related to class discussion and gives you practical experience in a lab setting. Equivalent to Biology 20.

Prerequisite or Corequisite: ENGL 050.

BIOL 095-6

(BC=6)

(5-0-2) 15 weeks

Preparatory Biology

Principles of human anatomy and physiology. Cell division and genetics. Basic population and community dynamics. This course will prepare you for more advanced studies in biology. Lab work is related to class discussions, and allows you to improve certain biology lab skills. Equivalent to Biology 30.

Prerequisite: BIOL 085 or Biology 20.

Prerequisite or Corequisite: ENGL 075.

Chemistry

Note: You need a lab coat and safety glasses to take part in chemistry labs. You can buy these items at the Bookstore. Please note that contact lenses are not allowed in the laboratory.

CHEM 085-5

(BC=6)

(5-0-1) 15 weeks

Introductory Chemistry

An introduction to atomic structure, elements, the periodic table and chemical bonding, with a greater emphasis placed on nomenclature, reactions and stoichiometry. Equivalent to Chemistry 20.

Prerequisite or Corequisite: Math 075 or Math 10C.

CHEM 095-6

(BC=6)

(5-0-2) 15 weeks

Preparatory Chemistry

For students with previous study in chemical nomenclature, reactions and stoichiometry. Topics to be covered include Gases, Solutions, Energy, Electrochemistry, Equilibrium and Acids and Bases. Equivalent to Chemistry 30

Prerequisite: CHEM 085 or Chemistry 20 and Math 075 or Math 10C.

English

ENGL 045-5

(BC=5)

(5-0-0) 15 weeks

Fundamental English Skills

Basic reading and writing skills including spelling, reading comprehension, vocabulary skills, and writing at the sentence and paragraph level.

Note: This is a credit/ no credit course.

Note: This course cannot be repeated for credit.

ENGL 050-5

(BC=5)

(5-0-0) 15 weeks

Basic English

Develop reading, vocabulary, comprehension and basic writing skills. Provide a basic introduction to literature.

ENGL 075-5

(BC=5)

(5-0-0) 15 weeks

Reading Viewing and Composition

Introduce major literary genres. Develop critical and analytical reading and viewing skills. Respond to texts in written and oral form. Develop and improve writing skills, including grammar. Provide an introduction to research and documentation. Equivalent to ELA 10-1 and ELA 20-2.

Prerequisite: ENGL 050 or ELA 10-2.

ENGL 090-5

(BC=5)

(5-0-0) 15 weeks

Analytical Reading and Writing

Discuss a variety of literary texts, including long fiction, short fiction, essays, poetry, drama, oral texts and/or multimedia texts. Cultivate analytical and critical reading skills. Extend writing and grammar skills. Expand and polish research and documentation skills. Equivalent to ELA 30-2.

Prerequisite: ENGL 075 or ELA 20-1 or ELA 20-2.

ENGL 095-5 (BC=5)
(5-0-0) 15 weeks
Literature and Composition
Discuss the major literary forms of prose, drama, and poetry. Develop critical and analytical reading skills. Cultivate skills with essay writing and argumentation. Extend skills with research and documentation. Equivalent to ELA 30-1
Prerequisite: ENGL 090 or ELA 30-2 or ELA 20-1 or English for Academic Purposes (EAP) Level 2.

English Language Learning

ELL 1001-0 (BC=10)
(25-0-0) 7 weeks
English Language Learning I
English language preparation, equivalency of CLB Level 6, for students admitted to the ESL-HCA cohort program.

ELL 1002-0 (BC=10)
(25-0-0) 7 weeks
English Language Learning II
English language preparation, equivalency of CLB Level 7, for students admitted to the ESL-HCA cohort program.

Mathematics

Note: Students who have been out of high school for one year or more will be required to be tested prior to placement in a mathematics course in the Academic Upgrading Program. Please book for your test by calling 342.3400 or 343.4026.

MATH 050-5 (BC=5)
(5-0-0) 15 weeks
Preparatory Mathematics
A basic mathematics course for students requiring algebra or applied mathematics. Topics include: operations on rational numbers; Metric and English measurement; geometry in 1, 2, and 3 dimensions; introduction to algebra; and solving equations.

MATH 075-5 (BC=5)
(5-0-0) 15 weeks
Introductory Algebra
An introductory course for students requiring algebra. Topics include; polynomials and factoring; linear equations and their graphs; solving equations and inequalities; problem solving; geometry; and trigonometry. Equivalent to Math 10C.
Prerequisite: MATH 050 or Math 9.

MATH 082-5 (BC=5)
(5-0-0) 15 weeks
Intermediate Math Principles
An intermediate math course. Topics include: measurement, mathematical reasoning, trigonometry, quadratic functions and equations, statistics, and radicals. Equivalent to Math 20-2.

MATH 085-5 (BC=5)
(5-0-0) 15 weeks
Intermediate Algebra
An intermediate course for students requiring algebra. Topics include: functions, relations and graphing, systems of equations; radicals and their properties; rational expressions; quadratic equations and functions; and selected topics from trigonometry. Equivalent to Math 20-1.
Prerequisite: MATH 075 or Math 10C.

Math 092-5 (BC=5)
(5-0-0) 15 weeks
Senior Algebra and Trigonometry
A senior math course. Topics include: logical reasoning and set theory; probability; permutations and combinations; rational expressions; logarithmic and exponential functions; polynomial and sinusoidal functions. Equivalent to Math 30-2.
Prerequisite: Math 085, Math 20-1 or Math 20-2.

MATH 096-6 (BC=6)
(6-0-0) 15 weeks
Precalculus: Algebra & Trigonometry
A senior math course. Topics include: polynomial and rational functions; logarithmic and exponential functions; trigonometric functions; sequences and series; permutations and combinations. Equivalent to Math 30-1.
Prerequisite: MATH 085 or Math 20-1.

MATH 097-5 (BC=5)
(5-0-0) 15 weeks
Introduction to Calculus
A senior course recommended for students who will be taking university calculus courses. Topics include: limits and continuity; derivatives; graphing; applications of derivatives; integration; applications of integration. Equivalent to Math 31.
Prerequisite or Corequisite: MATH 096 or Math 30-1.

Physics

PHYS 085-5 (BC=6)
(5-0-1) 15 weeks
Introductory Physics
Course topics include kinematics, dynamics, circular motion, work and energy, oscillatory motion and mechanical waves. Equivalent to Physics 20.
Prerequisite: Math 075 or Math 10C.

PHYS 095-6 (BC=6)
(5-0-2) 15 weeks
Preparatory Physics
Course topics include momentum and impulse, forces and fields, electromagnetic radiation, and atomic physics. Equivalent to Physics 30.
Prerequisite: PHYS 085 or Physics 20 and MATH 085, Math 20-1 or Math 30-2.

Social Studies

SOST 095-5 (BC=5)
(5-0) 15 weeks
Twentieth Century World
Learners will acquire a conceptual framework with which to respond to developing global issues by studying how ideologies originate and their effect on identity and citizenship. The course will focus on classical and modern liberalism, the viability of liberalism, and challenges of communism, totalitarianism, fascism and Nazism including economic systems. High School Equivalent: Social Studies 30-1
Prerequisite: Social Studies 20-1 or consent of Department.
Prerequisite or Co-requisite: ENGL 090 or ELA 30-1, or consent of the Department.

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DK		Political Science	72	Pharmacy Technician	68
DL		Practical Nurse.	72	Philosophy	69
DM		Production	73	Physical Education and	
DN		Psychology	76	Sport Studies.	71
DO		S		Physics	71
DP		Science	77	Physiology.	71
DQ		Social Work	77	Political Science	72
DR		Sociology	78	Practical Nurse.	72
DS		Spanish.	80	Production	73
DT		Statistics	80	Psychology	76
DU		T		S	
DV		Theatre and Entertainment		Science	77
DW		Production.	80	Social Work	77
DX		Theatre Performance and Creation.	82	Sociology	78
DY		Transitional Vocational	83	Spanish.	80
DZ		U		Statistics	80
EA		Unit Clerk.	84	T	
EB		O		Theatre and Entertainment	
EC		Occupational and Physical		Production.	80
ED		Therapist Assistant.	67	Theatre Performance and Creation.	82
EE		P		Transitional Vocational	83
EF		Pharmacy Technician	68	U	
EG		Philosophy	69	Unit Clerk.	84
EH		Physical Education and		O	
EI		Sport Studies.	71	Occupational and Physical	
EJ		Physics	71	Therapist Assistant.	67
EJ		Physiology.	71	P	
EK		Political Science	72	Pharmacy Technician	68
EL		Practical Nurse.	72	Philosophy	69
EM		Production	73	Physical Education and	
EN		Psychology	76	Sport Studies.	71
EO		S		Physics	71
EP		Science	77	Physiology.	71
EQ		Social Work	77	Political Science	72
ER		Sociology	78	Practical Nurse.	72
ES		Spanish.	80	Production	73
ET		Statistics	80	Psychology	76
EU		T		S	
EV		Theatre and Entertainment		Science	77
EW		Production.	80	Social Work	77
EX		Theatre Performance and Creation.	82	Sociology	78
EY		Transitional Vocational	83	Spanish.	80
EZ		U		Statistics	80
FA		Unit Clerk.	84	T	
FB		O		Theatre and Entertainment	
FC		Occupational and Physical		Production.	80
FD		Therapist Assistant.	67	Theatre Performance and Creation.	82
FE		P		Transitional Vocational	83
FF		Pharmacy Technician	68	U	
FG		Philosophy	69	Unit Clerk.	84
FH		Physical Education and		O	
FI		Sport Studies.	71	Occupational and Physical	
FJ		Physics	71	Therapist Assistant.	67
FJ		Physiology.	71	P	
FK		Political Science	72	Pharmacy Technician	68
FL		Practical Nurse.	72	Philosophy	69
FM		Production	73	Physical Education and	
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FO		S		Physics	71
FP		Science	77	Physiology.	71
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FS		Spanish.	80	Production	73
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FU		T		S	
FV		Theatre and Entertainment		Science	77
FW		Production.	80	Social Work	77
FX		Theatre Performance and Creation.	82	Sociology	78
FY		Transitional Vocational	83	Spanish.	80
FZ		U		Statistics	80
GA		Unit Clerk.	84	T	
GB		O		Theatre and Entertainment	
GC		Occupational and Physical		Production.	80
GD		Therapist Assistant.	67	Theatre Performance and Creation.	82
GE		P		Transitional Vocational	83
GF		Pharmacy Technician	68	U	
GG		Philosophy	69	Unit Clerk.	84
GH		Physical Education and		O	
GI		Sport Studies.	71	Occupational and Physical	
GJ		Physics	71	Therapist Assistant.	67
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GM		Production	73	Physical Education and	
GN		Psychology	76	Sport Studies.	71
GO		S		Physics	71
GP		Science	77	Physiology.	71
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GU		T		S	
GV		Theatre and Entertainment		Science	77
GW		Production.	80	Social Work	77
GX		Theatre Performance and Creation.	82	Sociology	78
GZ		Transitional Vocational	83	Spanish.	80
HA		U		Statistics	80
HB		Unit Clerk.	84	T	
HC		O		Theatre and Entertainment	
HD		Occupational and Physical		Production.	80
HE		Therapist Assistant.	67	Theatre Performance and Creation.	82
HE		P		Transitional Vocational	83
HF		Pharmacy Technician	68	U	
HG		Philosophy	69	Unit Clerk.	84
HH		Physical Education and		O	
HI		Sport Studies.	71	Occupational and Physical	
HJ		Physics	71	Therapist Assistant.	67
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HK		Political Science	72	Pharmacy Technician	68
HL		Practical Nurse.	72	Philosophy	69
HM		Production	73	Physical Education and	
HN		Psychology	76	Sport Studies.	71
HO		S		Physics	71
HP		Science</			

CONTACT US

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RDC'S DOWNTOWN CAMPUS

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INFORMATION

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