

Course Offerings

Luther College High School adheres to the Government of Saskatchewan curricula and also offers the International Baccalaureate (IB) program. Course selection and availability may be subject to change.



2024-2025

Christian Ethics

Christian Ethics 9

Jesus and Christianity

- Jesus' roots in Judaism
- life & teaching of Jesus

Ethics 10

The study of world religions

- Hinduism
- Buddhism
- Christianity
- Islam
- Judaism
- Indigenous spirituality
- religious prejudice
- cults & cult manipulation

Christian Ethics 20

Christian themes

- basic life issues & spirituality
- the Christian life
- Church history
- basic Christian beliefs
- morality

Christian Ethics 30

The individual in society

- Christian perspectives
- social issues
- moral reasoning
- justice issues
- personal morality

IB Theory of Knowledge 20 /30

- reflection on diverse ways of knowing & areas of knowledge
- perception, reason, language & emotion
- mathematics, natural sciences, human sciences, history, the arts & ethics

- belief, certainty, culture, evidence, explanation, interpretation, intuition, technology, truth, values & biases

English

English Language Arts 9A/9B

- language studies with a focus on short stories, novels, myths, poetry, non-fiction &

Shakespearean drama

- analytical, oral & written skills

English Language Arts A10/B10

- the individual & society
- Shakespeare's *Macbeth*
- narrative writing
- formal writing and literary analysis skills

English Language Arts 20

- literature & the human experience
- poems, stories, drama

English Literature and Composition 20

- formal & informal oral & written communications

English Language Arts A30

- Canadian literature
- novels, poems & plays
- independent novel study
- independent creative work

English Language Arts B30

- American, British & world literature
- novels, poems & plays
- Shakespeare's *Hamlet*

IB English HL

- fiction, poetry, drama
- formal written essay
- oral presentations
- world literature in translation
- novels, drama
- specialized genre study
- independent creative work
- text in depth
- prose & poetry
- Shakespeare's *Hamlet*

Film Studies

Film 10

- introduction to film history
- basic techniques of video filming, audio recording and digital editing
- introduction to film theory (genres, styles, directing)
- production skills workshops and collaborative film production

Film 20

- continued development of camera, audio & editing skills (including Adobe Premier)
- introduction to production design and production management
- screenplay writing
- advanced production skills workshops and collaborative film production

Film 30

- film set protocols
- independent study of a film director or genre
- Canadian film history, modern Canadian films, Indigenous film culture
- advanced production skills workshops and collaborative film production

IB Film SL

- film history and international film studies
- textual analysis of film study of technique, directing styles, production design and cinematography
- independent study of film history and/or theory
- production skills in cinematography
- directing, sound design, editing, writing and a finished film

Fine Arts

Visual Art 9

- drawing
- basic design
- critique
- historical overview

Visual Art 10

- drawing
- painting
- Canadian art history
- sculpture

Visual Art 20

- problem solving

- generating visual ideas
- relating ideas to traditions

IB Visual Art SL

- This course revolves around three main aspects of art practice: theoretical, art-making, and curatorial practice. IB Visual Arts students are all of these: a critic, a maker, and a curator. Using the IB model and learner profile, each student will be actively seeking answers and visual ways to communicate their ideas and concepts.

Drama 9

- improvisation
- fundamentals of performance
- collaborative theatre
- genre studies

Drama 10

- intermediate improvisation
- working with monologues and scripts
- theatre history
- collective creation

Drama 20/30

- longform improvisation
- theatre production
- directing
- world theatre traditions
- devising theatre for performance

IB Theatre Studies SL

- world theatre traditions
- theatre theory
- devising theatre
- play production
- taking on the role of creator,

director, performer, and designer

- collaborative theatre making and performance

Music 9

- listening skills
- performance skills
- beginner music literacy skills
- introduction to handbells and northern spirit flutes
- exploration of world music

Music 10

- introduction to piano
- intermediate handbells
- exploration of contemporary music styles
- individual and group performance skills
- intermediate music literacy skills

IB Music SL

- advanced music theory and analysis
- composition of both acoustic and digital music
- exploration of medieval, baroque, classical, romantic, and contemporary music styles and genres
- practical application of music research through group and solo performances

Band 9, 10, 20, 30

- ensemble band experience
- instrumental techniques
- music appreciation
- group performances

Treble Choir 10

- yearlong participation
- features soprano and alto voices

- voice development
- ear training and sight-reading skills

- handbell choir participation

- group performances

Senior Choir 10, 20, 30

- yearlong participation
- voice development
- features soprano, alto, tenor, and bass singers
- music theory, ear training, and sight-reading skills
- exploration of musical styles
- tour & performances
- AVE (advanced vocal ensemble)

Languages

French Immersion 9,10

- speaking, listening & writing skills
- developing specific ideogrammatic vocabulary

Core French 9

- *Communi-Quete 1*
- introduction to the French language and culture

- listening, speaking, reading and writing

Core French 10

- *Communit-Quete 2 and 3*
- common grammatical structures
- listening, speaking, reading and writing

Core French 20

- *Voyages 2*
- grammar structures
- read & discuss supplemental literature

Core French 30

- *Voyages 2*

- advanced grammatical structures

- read & discuss supplemental literature

IB French SL

- French 30 credit
- French & French-Canadian short stories, essays & novels
- film analysis & critique

German 20

- introduction to German language and culture
- listening and speaking German

- simple themes: introductions, family, weather, time, etc.

- communication through conversation & writing

German 30

- introduction to more complex language structures
- introduction to simple German literature
- focus on speaking and writing
- focus on current European events

IB German AI

- German 30 credit
- continuation of language skill development
- emphasis on conversation & reading
- IB final examination

Mathematics

Math 9 (2 semesters)

First semester (Math 9A)

- number operations with integers and rational numbers
- square roots and powers
- ratios, proportions, and percents
- equations, inequalities, and problem solving

Second Semester (Math 9B)

- factoring
- linear relations
- geometrical figures, surface area, and volume
- circle geometry
- similarity and transformations
- probability and statistics

Foundations & Pre-Calculus Math 10

- measurement, surface area, and volume
- right angle trigonometry
- factors & multiples
- roots and powers
- relations and functions
- linear functions
- systems of linear equations

Foundations Math 20

- logical reasoning
- geometry
- trigonometry
- statistics
- linear inequalities in two variables
- quadratic equations and functions
- rates, scale diagrams, and proportional reasoning

IB Prep Math 20 (2 semesters)

- includes both Foundations and Pre-Calculus Math 10 and Foundations Math 20
- all Saskatchewan-based curricular outcomes are covered with an additional focus on preparing students for the IB Mathematics SL course

Pre-Calculus Math 20

- sequences and series
- trigonometry: sine and cosine law
- trigonometry: angles in standard position
- quadratics functions and equations
- operations with radicals and radical equations
- radical expressions and equations
- absolute value
- reciprocal functions
- systems of equations involving quadratics
- quadratic and linear inequalities
- arc midpoint computation

Foundations Math 30

- financial math
- inductive and deductive reasoning
- set theory and its applications
- counting principles
- odds and probability
- functions: polynomial, exponential, logarithmic, sinusoidal
- using functions to represent data: regression

Pre-Calculus 30

- trigonometry and the unit circle
- trigonometric functions

- trigonometric identities and equations
- transformations of functions
- radical functions
- polynomial functions
- rational functions
- exponents and exponential functions
- logarithms and logarithmic functions
- functions operations and compositions
- binomial theorem and combinatorics

Calculus 30

- limits
- derivatives
- applications of derivatives
- curve sketching
- derivatives of transcendental functions
- anti-derivatives and indefinite integration
- definite integration

IB Mathematics Analysis and Approaches SL

- all Saskatchewan-based curricular outcomes of the Pre-Calculus 20, Pre-Calculus 30, and Calculus 30 courses are covered with accelerated and enriched components in each
- IB evaluation includes a written math exploration (20%) and the IB final examination (80%) in the Grade 12 year

Physical Education

Physical Education 9 (Girls/Boys)

- fitness goals and assessments
- active living
- nutrition

- conflict resolution in sport and athletics
- human anatomy and physiology
- tactics and strategies
- core strength
- physical literacy (volleyball, pickleball, tchoukball, badminton, ultimate frisbee, basketball, yoga, ethnic dances, gymnastics, etc.)
- weight training principles and fitness
- social values and development
- mental well-being

Health 9

- introduction to health and decision-making
- the four areas of health
- health determinants and health promotion
- addictions: drugs, tobacco, alcohol
- nutrition, healthy eating, food ethics
- research paper writing and MLA formatting

- sexual health and healthy relationships

- mental health awareness

Wellness 10 (Girls/Boys)

- dimensions of wellness
- fitness goals and assessment
- stress management/self awareness
- female health (cancers, reproductive disorders) - females only
- mental health awareness
- wellness action plan
- individual fitness plans
- physical literacy (volleyball, tchoukball, badminton, ultimate frisbee,

basketball, hip hop dance, yoga, sepak takraw, flag football, etc).

- nutrition
- personal and social values and skill development

Physical Education 20 (Co-ed)

- coaching and mentoring
- the psychology of sport
- nutrition and performance
- first aid and CPR
- active living (potential activities: 5 pin bowling, self-defense, boxing, curling, ultimate frisbee, golfing, racquetball, badminton, volleyball, basketball, soccer,

- disc golf, tennis, lawn bowling, yoga, wally ball, YMCA visits, group games, rock climbing, spin, etc.)
- mental well-being
- social behaviour, skills, and development

Physical Education 30 (Co-ed)

- business and ethics of sport
- nutrition of sport
- biomechanics in sports
- active living (potential activities: 5 pin bowling, self-defense, boxing, curling, ultimate frisbee, scuba, golfing, racquetball, badminton, volleyball, basketball, soccer, disc golf, tennis,
- lawn bowling, yoga, wally ball, YMCA visits, group games, rock climbing, spin, etc.)
- indigenous games
- mental well-being
- social behaviour, skills and development

Sciences

Science 9

- Life Science: reproduction and human development
- Physical Science: atoms and elements
- Physical Science: characteristics of electricity
- Earth and Space Science: exploring our universe

Science 10

- investigate career paths related to various branches and sub-branches of science
- climate and ecosystem dynamics
- chemical reactions
- force and motion in our world

Computer Science 20

Introductory Programming

- introduction to computing and number systems
- programming concepts: variables and branching
- programming concepts: arrays and looping
- programming concepts: functions and random numbers
- HTML and CSS
- scripting and dynamic HTML

Environmental Science 20

- examines local and global environmental issues from a systems perspective
- effects of human actions and growing global population on climate and environment on human health
- mechanisms and importance of aquatic and terrestrial ecosystems
- sustainability of past and

current practices and technologies humans have developed to live with and within the environment

Health Science 20

- examines the health science field from holistic and analytical perspectives to provide
- a basis for making sound personal health choices
- philosophies that guide health care and consider ethical decision with those contexts
- basic anatomy and physiology of the human body and various body systems
- the role of metabolism and nutrition
- diagnostic tools and procedures and how they are used to perform treatments
- investigation of health science careers and postsecondary programs available in Saskatchewan

Biology 30

- genetic continuity
- evolutionary theory
- life processes regulation & homeostasis
- organisms & their environment
- independent study

IB Biology HL

Over four semesters, the course covers the concepts of unity and diversity, form and function, interaction and interdependence, and continuity and change. Each concept includes study of biology at the levels of

molecules, cells, organisms, and ecosystems. The course culminates in students applying their experimental skills to design, carry out, and evaluate their own experiments.

Physical Science 20

- combines chemistry and physics
- heating and cooling
- foundations of chemistry
- mole and quantitative analysis of molecules and chemical reactions
- characteristics and properties of waves
- study of enterprise and public and private science as it occurs in agriculture, industry, and universities to help better understand various physical science related career paths
- student inquiry will guide independent investigations of physical science phenomena
- properties & structure of matter
- atomic structure
- nomenclature
- chemical equations
- stoichiometry
- condensed phases of matter
- gas laws
- arrangement of electrons
- periodic table

IB Chemistry SL

Over two semesters, the course covers the concepts of structure and reactivity: structure (models of the particulate nature of matter, models of bonding and structure, and classification

of matter); and reactivity (What drives chemical reactions? How much, how fast, and how far? What are the mechanisms of chemical change?)

- atomic theory and structure
- bonding, classification, nomenclature, structure, reactions, and properties of organic and inorganic substances
- periodic trends
- mole concept and quantitative analysis of molecules and reactions
- rates of reaction and equilibrium
- acids and bases
- oxidation-reduction
- specific provincial requirements (waves and wave behaviour, solutions and solubility)
- collaborative sciences project
- lab work
- IB internal assessment and final examination

Chemistry 30

- bonding, structure & properties
- classification and nomenclature of organic compounds
- equilibrium and its various forms including solutions and solubility, acids and bases, and oxidation-reduction
- above material is supplemented with lab work
- student-directed study

Computer Science 30

Intermediate Programming

- review of programming concepts
- drawing with canvases
- introduction to networking
- object-oriented programming
- recursion and sorting
- external files and visualization

Physics 30

- kinematics & dynamics
- mechanical energy and momentum
- nuclear physics
- relativistic principles and quantum mechanics
- fields: gravitational, electric and magnetic

IB Environmental Systems and Society SL

- foundations of environmental systems and societies
- ecosystems and ecology
- biodiversity and conservation
- water and aquatic food production systems and societies
- soil systems and terrestrial food production systems and societies
- atmospheric systems and societies
- climate change and energy production
- human systems and resource use
- practical scheme of work including: practical activities, individual investigation (IA)

Financial Literacy

Financial Literacy 10

- introduces students to basic financial planning, financial institutions, and financial processes
- outcomes include examining the role finances have on well-being, ways to earn income, budgets, investments, credit, and financial planning

Social Sciences

History 9

- Historical thinking and skill development
- Research and writing skills
- Indigenous history
- Ancient civilizations
- Medieval Europe

History 10

Early Modern Europe

- renaissance
- revolutions
- Industrial Revolution
- nation states
- ideologies
- imperialism

History 20

20th-Century World History

- World War I
- The Russian Revolution
- Authoritarian States
- World War II
- The Cold War
- Decolonization, Civil Rights, or China

History 30

History of Canada

- Indigenous peoples
- European contact and colonialism
- Canadian confederation
- national policy, treaties, and western expansion

• autonomy, nationalism, and influence

- French-Canadian nationalism
 - immigration and multiculturalism

IB History HL

- causes, practices & effects of war
- authoritarian states
- the move to global war
- The Cold War
- selected regional topics, including the US Civil War, Emergence of the Americas in Global Affairs, the Second World War and the Americas, and the Cold War and the Americas, Civil Rights and Social Issues
- IB final examination

What is the IB Diploma Programme?

The International Baccalaureate (IB) Diploma Programme is a globally recognized and acclaimed program of preparation for citizenship and post-secondary studies. Luther students who take six IB courses (one from each subject group) and complete the core components of the program (CAS, Theory of Knowledge, Extended Essay) graduate with the IB Diploma in addition to the Saskatchewan secondary diploma. Luther students can also take individual IB courses of their choice. All major Canadian universities recognize IB students with advanced standing, transfer credits, and/or other privileges. Courses recognized and minimum grades vary among universities.



	IB Course	Level	Saskatchewan credits awarded
Group 1 <i>Language and Literature</i>	English Literature	Higher Level	IB English 20 IB World Literature 20L IB English 30A IB English 30B
Group 2 <i>Language Acquisition</i>	French B	Standard Level	IB French 20 IB French 30
	German ab initio	Standard Level	IB German 20 IB German 30
Group 3 <i>Individuals and Societies</i>	History	Higher Level	IB History 20 IB IB History 30
Group 4 <i>Experimental Sciences</i>	Biology	Higher Level	IB Health Science 20 IB Biology 30
	Chemistry	Standard Level	IB Physical Science 20 IB Chemistry 30
	Environmental Systems and Societies (ESS)	Standard Level	Environmental Science 20 IB ESS 30L
Group 5 <i>Mathematics</i>	Mathematics: Analysis and Approaches	Standard Level	IB Math Pre-Calculus 20 IB Math Pre-Calculus 30 IB Calculus 30
Group 6 <i>The Arts</i>	Visual Arts	Standard Level	IB Visual Art 20 IB Visual Art 30
	Film	Standard Level	Communication Media 20 IB Film 30L
	Theatre	Standard Level	Drama 20 IB Theatre Arts 30
Core	Theory of Knowledge		IB TOK 20 IB TOK 30
	Extended Essay		
	Creativity, Activity, Service (CAS)		

Course Selection

Grade 9

Grade 9 students do not have spares. Any student who would like one period to work on homework in a quiet, supervised classroom, should choose Supervised Study Hall as an elective in either or both semesters.

Compulsory

Christian Ethics 9
English Language Arts A9
English Language Arts B9
History 9
Mathematics 9A
Mathematics 9B
Science 9
Girls' or Boys' Phys Ed 9
Health 9

Electives

Core French 9
French Immersion 9
Visual Art 9
Drama 9
Music 9
Band 9
Girls' and Boys' Choir 9
Supervised Study Hall

Grade 10

Compulsory

Christian Ethics 10
English Language Arts A10
English Language Arts B10
History 10
Science 10
Mathematics options (two semesters):
Foundations 10 *or*
Foundations 10 & 20 *or*
Foundations 10 & 20 – IB Prep
Wellness 10 (Girls' or Boys')
Financial Literacy 10

Electives

Core French 10
French Immersion 10
Visual Art 10
Drama 10
Communication Media 10
Music 10
Choir 10
Band 10

Grade 11

Compulsory

Christian Ethics 20
English Language Arts 20
English Literature &
Composition 20
History 20
Pre-Calculus 20 *or*
Math Foundations 20
Science 20 (must choose one below)
Environmental Science 20
Health Science 20
Physical Science 20
Computer Science 20

Electives

Physical Education 20
French 20
Immersion French 20
German 20
Visual Art 20
Drama 20
Communication Media 20
Choir 20 (two semesters)
Band 20

International Baccalaureate

IB English 20 (2 semesters)
IB German 20 (ab initio)
IB French 20
IB History 20 (2 semesters)
IB Environmental Systems
& Society 20
IB Biology 20
IB Chemistry 20
IB Math 20 (2 semesters)
IB Music 20
IB Visual Arts 20
IB Theatre Arts 20
IB Film 20
IB Theory of Knowledge 20
(IB Diploma students only)

Grade 12

Compulsory

Christian Ethics 30
English Language Arts A30
English Language Arts B30
History 30
Science 30 (must choose one below):
Biology 30
Chemistry 30
Physics 30
Computer Science 30
Mathematics (one of the following):
Foundations 30
Pre-Calculus 30
Calculus 30

Electives

Math Foundations 30
Pre-Calculus 30
Biology 30
Chemistry 30
Physics 30
Computer Science 30
Physical Education 30
Calculus 30
French 30
German 30
Visual Art 30
Drama 30
Communication Media 30
Choir 30 (2 Semesters)
Band 30

International Baccalaureate

IB Theory of Knowledge 30
IB English A30
IB English B30
IB History 30 (2 semesters)
IB Calculus 30
IB Biology 30 (2 semesters)
IB Environmental Systems and Societies 30
IB Chemistry 30
IB French 30
IB German 30
IB Music 30
IB Visual Art 30
IB Film 30
IB Theatre Studies 30

Provincial Requirements

Only Grades 10, 11, and 12 courses earn credits. Grade 9 is still Division three, so is designed to prepare students for credit classes beginning in Grade 10. A minimum of 24 credits are required for a Saskatchewan High School Diploma (Luther requires 26), at least 5 of which must be earned at the Grade 12 level.

• Grade 10

Minimum 8 credits

English 10A & English 10B
History 10
Science 10
Financial Literacy
1 mathematics credit at level 10
3-4 electives at level 10 or higher

• Grade 11

Minimum 8 credits (16 total credits)

English Language Arts 20
History 20
Pre-Calculus 20 or Foundations 20
2 credits at level 20 or 30
Science 20

• Grade 12

Minimum (24 total credits)

Minimum five 30-level credits

English Language Arts A30
English Language Arts B30
History 30
one science credit at level 20 or 30
one additional social science credit at level 20 or 30
one credit in Wellness 10, Physical Education 20 or 30
two credits in Arts Education and/or Practical and Applied Arts area of study at level 10, 20 or 30. (Luther College students meet this requirement through Ethics 10, 20 & 30.)