







ERINDALE COLLEGE COURSE GUIDE 2024



WELCOME FROM THE PRINCIPAL

At Erindale College we value all members of our education community and have an enduring focus on learning in a safe and caring environment. We provide a wide range of courses to meet your needs and want to ensure your success. The College Course Guide lists courses that enable you to pursue pathways leading to university, further education and direct employment. Details are also available on the college website.

We have an Academy structure in which curriculum and special programs are grouped. By belonging to an Academy, students have the benefit of receiving support and advice from teachers who have an expert professional understanding of the curriculum.

College Link is designed to provide mentors for students and is based within Academies. College Link is a mandatory course for all students. College Link teachers aim to mentor, counsel, and coach students towards success. Attendance is checked and followed-up by Link teachers. Academic programs are monitored and managed in consultation with students, parents, and the Link teacher. In Year 12, pathway planning with a well-rounded preparation for the transition beyond Erindale College is a significant component of the program.

The Erindale College Honours Program allows students who wish to be challenged to personalise their program. Students will be mentored to tailor their program to suit their needs while accessing academic extension, enrichment and leadership opportunities within and beyond the college. Students will build a digital portfolio of evidence to demonstrate their profile as a learner.

The incredibly successful Talented Sports Program is a feature of the Erindale Sports Academy. TSP encourages students to develop their sporting ability in selected squads with specialised coaching staff while providing a supportive and structured environment in which to maximise their academic potential. Our partnerships with professional league teams ensure talent identification and selection opportunities. In 2020 Erindale College partnered with Sydney FC to become the second satellite Sydney FC Academy School program outside of the Sydney metropolitan area joining Illawarra Sports High School in Wollongong.

The Talented Dance Program is designed to extend and develop the talents of students in the performing art of dance. Students will be extended in this challenging course with highly qualified staff and visiting tutors. Students involved in the program will continually develop their technique, composition, performance and analytical skills.

The Year 10 College Program is for students able to demonstrate talent in (one or more area) of the academies, Talented Sports Program or Talented Dance Program, as well as provide evidence of high self-management skills, academic success and commitment to their studies.

Erindale College leads exciting initiatives within the Tuggeranong Network of Schools. Students access to Nationally recognised vocational courses such as Certificate III in Fitness, Certificate II in Sport and Recreation and Hospitality provide wonderful opportunities for students to gain a career pathway into these areas. Erindale College is unique in the ACT as it is part of the larger Erindale Education and Recreation Complex. This complex provides students with access to a modern 450-seat theatre in which high quality productions are presented both by the college and community.

The Erindale Library provides academic support for students and is open all year round. The facilities in the Active Leisure Centre, available for student use, include a 25-metre swimming pool and fully equipped gym.

We welcome students to our college, and we look forward to helping all celebrate success.

Katherine Stretton, Principal



MISSION STATEMENT

Erindale College provides exciting and diverse pathways for the full range of learners. We are dedicated to ensuring that every student is known, valued, and cared for in a respectful and nurturing learning environment. Learning is visible and feedback is provided to students so that they can reflect and improve to achieve goals and celebrate success. We are committed to developing future focused individuals through our learner profile which prepares our students to a life beyond school.

OUR MISSION

To create a positive, engaging, and innovative learning environment that places students at the centre of all we do. We aim to build a learning community and a culture of high expectations fostering a love of learning and empowering leadership at all levels.

OUR VALUES

Care | Respect | Share

LEARNER PROFILE

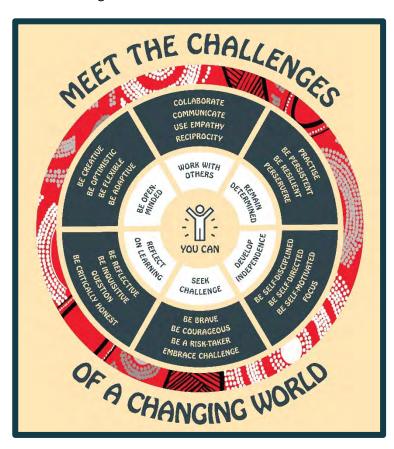
Mindset has a big impact on student learning outcomes! Attitude and character dispositions can work to strengthen and build academic outcomes for students. Evidence from students, teachers and the community have been incorporated into a learner profile for Erindale College students.

The design is a circle supporting the student at the centre

- Work with others
- Remain determined
- Develop independence
- Seek challenge
- Reflect on learning
- Be open minded

This represents our inclusive culture. The attributes work together and interact to prepare out students for the future.

You will also notice a stunning design by a student from our 2021 graduating class Leilani Keen-Church, which encircles all of the profiles.



ENGLISH & LANGUAGES ACADEMY

ENGLISH COURSES

Contemporary English A/M
Essential English A/M
English T
Literature T

LANGUAGE COURSES

Courses offered externally

HUMANITIES ACADEMY

HUMANITIES COURSES

Ancient History T/A/M
Business T/A/M
Global Studies T/A/M
Legal Studies T/A/M
Modern History T/A/M
Pathways to Work & Learning A/M
Philosophy T/A
Social & Community Work A/M
Sociology T/A/M

MATHS, SCIENCE & INFORMATION TECHNOLOGY ACADEMY

MATHEMATICS COURSES

Contemporary Mathematics A/M
Essential Mathematics A/M
Mathematical Applications T
Mathematical Methods T
Specialist Mathematics T
Specialist Methods T

PHYSICAL SCIENCE COURSES

Chemistry T Flight T/A Physics T

BIOLOGICAL SCIENCE COURSES

Biology T/A Human Biology T/A/M

OTHER SCIENCE COURSES

Food Science & Nutrition T/A
Psychology T/A/M

INFORMATION TECHNOLOGY COURSES

Data Science T/A
Digital Technologies T/A/M

SPORTS ACADEMY

COURSES

Certificate III in Fitness E
Exercise Science T/A/M
Health & Wellbeing T/A/M
Physical Education Studies A/M
Sports Development A/M
Sport, Recreation & Leadership A/M

SPECIAL PROGRAMS

Compass Program
Honours Program
Talented Dance Program
Talented Sports Program
Year 10 in College Program

TECHNOLOGY & CREATIVE ARTS ACADEMY

TECHNOLOGY COURSES

Design & Emerging Technologies T/A/M
Design & Graphics T/A/M
Design & Textiles T/A/M
Food Studies A/M
Hospitality Industry A/V/M
Metal Products A/M
Timber Products A/M

CREATIVE ARTS COURSES

Dance T/A/M
Drama T/A/M
Media T/A/M
Music T/A/M
Photography T/A/M
Talented Dance Program A
Visual Arts T/A/M

THE COLLEGE SYSTEM

The ACT operates a system of school-based curriculum and assessment within the policy and procedures of the ACT Office of the Board of Senior Secondary Studies (BSSS). Certification is based on continuous assessment over years 11 and 12, with students undertaking their first assessment tasks as early as week 5 in semester 1. The language of the BSSS can seem technical and confusing at first so we have clarified some important concepts:

The College System and Certificate Requirements

UNITS

A unit is a structured learning activity that is assessed and reported on. Each unit is attached to a subject area.

Standard unit: At least 55 hours of study is required to produce one unit. This is usually undertaken at four hours per week for a full semester.

A Half Standard unit: At least 27.5 hours of study is required to produce a 0.5 unit. This is usually undertaken at two hours per week for a semester or four hours per week for a term.

COURSES

Courses are groups of units in the same subject area.

Minor – At least 2 standard units. A typical minor is produced by taking one class in a subject area for one year.

Major – 3.5 to 5 standard units. A typical major is produced by taking one class in a subject area for two years

Major/Minor – 5.5 to 6.5 standard units. A typical major/minor is produced by completing 7 or 8 classes in a subject area over two years.

Double Major – 7 to 8 standard units. Typically, a double major is produced by completing 7 or 8 classes in a subject area over two years.

Please note: Not all courses have provision for Major/Minors or Double Majors. Students can do more than eight standard units in a course, however 8 is the maximum that will count toward the course score and academic package requirements.

Types of Courses

TERTIARY (T) COURSES

T courses are courses which have been approved as preparation for higher education. T course scores are used in preparing the Australian Tertiary Admissions Rank (ATAR).

ACCREDITED (A) COURSES

A courses are approved courses that are suitable for a general education for students in Years 11 and 12.

VOCATIONAL COURSES (V)

Vocational courses are approved Year 11/12 courses designed to provide knowledge and skills directly relevant to an area of employment and can lead to further vocational education and training. These courses have a workplace component, are recognised nationally and can provide new apprenticeship and traineeship opportunities both during and after college. Vocational programs may also be classified as A, T, M or C courses

REGISTERED (R) UNITS/COURSES

R units/courses designed to further a student's social, artistic, sporting, personal development and academic progress.

MODIFIED (M) COURSES

M courses are typically T and A courses that have been modified to allow students who satisfy specific disability criteria to engage in classes at an appropriate level.

COMPETENCY BASED (C) COURSES

C classification is given to a vocational program that is assessed solely using the competencies attached to the Certificate I, II or III being undertaken. Scores and grades are not attributed to units in these courses, but they do produce standard units.

EXTERNAL (E) COURSES

E classification is given to a course that is delivered by an external Registered Training Organisation. Students can undertake any kind of vocational training course as part of their package in this way.

HIGHER EDUCATION (H) COURSES

H courses are targeted extension programs or first year university programs delivered in partnership with higher education providers and are intended to support high achieving students. Erindale College students have access to all H courses.

ACT SENIOR SECONDARY CERTIFICATE

This is generally completed in two years. However, students can negotiate to complete studies over a shorter or longer period.

To qualify for the ACT Senior Secondary Certificate, students require a minimum of:

- At least 17 standard units
- At least four minors in T, A, H, M, C or E courses from at least three different course areas, including one English course.

AUSTRALIAN TERTIARY ADMISSION RANK (ATAR)

An ATAR is used to assess and compare the results of school-leaving applicants for entry to University. This ranking is a number ranging between zero and 99.5 which reports students position relative to all other students.

TERTIARY ENTRANCE STATEMENT (TES)

The TES is awarded to students who meet the requirement of an ATAR. To qualify students must satisfy the following:

- At least 20 standard units completed
- At least 18 of these units must be from T, A, H, M, C or E courses

These units must be from a course package in one of the following patterns:

- Three majors and three minors
- Four majors and one minor
- Five majors

A minimum of at least three majors and one minor must be T or H courses. Students must sit all components of the Australian Scaling Test (AST), at Erindale College students are expected to participate in all AST workshops and trials.

VOCATIONAL CERTIFICATES

Students who successfully complete vocational courses are issued with nationally recognised Industry Certificates and level I, II or III, or a Statement of Attainment. These qualifications are recognised in all states and territories within Australia, and can help to obtain entry into:

- A related higher-level course with advanced standing, at CIT or other institutions
- An apprenticeship or traineeship
- General employment
- And Australian School Based Apprenticeship (ASBA)

UNIQUE STUDENT IDENTIFIER (USI)

The Australian Government requires all students undertaking Vocational Training (VET) to have a USI. This 10 number and letter identifier will allow students to access their VET training records, results and transcripts from their online USI account. For more information, refer to **www.usi.gov.au**.



CHOOSING COURSES

Students should choose courses that interest them and provide academic, vocational and employment skills suitable for their aptitudes.

All students are required to study at least two consecutive units of English at T, A or M level. A course in Mathematics is strongly encouraged, as evidence of both literacy and numeracy skills is valued by employers and continued study of these courses is assumed knowledge in higher education.

Consider a year 11-12 package as a two-year plan. Subject choices in any given semester should contribute to the goals identified for an 'A' or 'T' package and the pathways they may lead to after completing a college program.



ENGLISH & LANGUAGES ACADEMY

ENGLISH COURSES

English courses at Erindale College encourage students to become independent users of language by developing strategies for effective reading, writing, speaking, listening and viewing. English is a compulsory subject at college, all students *must* complete two units of any English course over their two years at college (minor).

There are four major courses offered in English: Contemporary English (A/M), Essential English (A/M), English (T), and Literature (T). EAL English (T/A) will be offered depending on student numbers.

CONTEMPORARY ENGLISH (A/M)

The Contemporary English (A/M) course provides students an opportunity to increase their skills, knowledge and understanding of the English language. The offered units focus on understanding everyday sources of information, such as news and satirical texts, building comprehension and presentation skills and the purpose of texts and audience consumption. Within the course, students will examine a range of themes to develop transferrable work and communication skills.

This level of English is offered based on recommendation only and cannot be self-selected by students.

ESSENTIAL ENGLISH (A/M)

The Essential English (A/M) course enables students to increase their skills, knowledge and understanding of the English language. This course is appropriate for students who may not wish to continue their studies at university level. Units focus on comprehending, responding and interpreting a range of texts and exploring different points of view. Students are encouraged to develop reasoned and persuasive arguments to communicate their conclusions and to discuss, negotiate, persuade and engage for a range of purposes in order to develop work and communication skills. This course aims to provide students with skills to succeed in many post-secondary pathways.



The English (T) course prepares students for tertiary study in a range of courses at university or CIT. Units focus on how language, structure and literary conventions operate through texts and examine the effect of stylistic choices on audiences. Students are encouraged to create imaginative, interpretive, and analytical responses, consider different perspectives to challenge values and attitudes, and extend their own ideas through reading, viewing, and creating texts. The course looks at a range of themes and types of literature, enabling students to develop work and communication skills, and increase their knowledge and understanding of language and literature.

LITERATURE (T)

Literature focuses on the study of literary texts, developing students as independent, innovative and creative learners and thinkers, who appreciate the aesthetic use of language, evaluate perspectives and evidence, and challenge ideas and interpretations. Units focus on the relationships between language, context, perspective, culture and identity. Through detailed and analytic textual study, students are encouraged to experiment with style and form to create consistent, evidence-based arguments and to synthesize a range of perspectives into critical and imaginative responses. *Literature* is best suited to students who are keen readers and explores how literary texts shape perceptions of the world and enable us to enter other worlds of the imagination.

Literature can be combined with English (T) to form a Major, or to achieve a Major-Minor or Double Major in English

ENGLISH AS AN ADDITIONAL LANGUAGE (EAL) (T/A)

English as an Additional Language (EAL) courses are suitable for study by students from non-English speaking backgrounds. The EAL (A) course enables students to extend their skills and knowledge of English throughout their two years at college*. Units focus on how language and culture are interrelated and expressed, the analysis of perspective and language choice and how to use language to represent and respond to issues, ideas and attitudes. The EAL (T) course enables students to gain the skills and knowledge necessary to continue their studies at a tertiary level and is an accepted English for purposes of university entrance.

*Students with a very limited knowledge of English are advised to complete the New Arrivals Program at the Secondary Introductory English Centre before enrolling at Erindale College. The average length of this course is six months and enrolment can take place at any time during the year.



HUMANITIES ACADEMY

HUMANITIES COURSES

Humanities courses focus on the operation of society, covering: Individual and group behaviour; legal and community rights and responsibilities; philosophical and ethical issues; history and business. Humanities courses study how people process and document the human experience and their place in it. Students examine what it means to be human and learn to ask questions about society and its institutions, empowering them to make informed and reasoned decisions as citizens of a culturally diverse interdependent world.

There are eight major courses offered in Humanities: Business (T/A/M), Global Studies (T), History (T/A/M), Legal Studies (T/A/M)), Social and Community Work (A/M), Sociology (T/A/M), Connected Learning (A/M) and Pathways to Work and Learning (T/A/M)

BUSINESS (T/A/M)

The study of Business enables students to develop their knowledge, understanding and skills in a variety of disciplines pertaining to employees, employers and consumers in the business environment. Units focus on the ethics and nature of business, the importance of marketing, managing finances and various aspects of different types of employment. Students learn strategies to enhance the well-being of citizens locally, nationally and globally through simulations, competitions, guest speakers, seminars and excursions.

GLOBAL STUDIES (T/A/M)

Global Studies is the study of political actors, processes, challenges and opportunities throughout the world. Units explore the nature and impact of global politics, why there is a plurality of views on decisions of progress and reform, contemporary issues challenging global actors and how change can be achieved through political action. Students learn to engage meaningfully with different perspectives and challenge their own conclusions to become better informed, reflexive and critical global citizens.

HISTORY COURSES

History is the study of important past events and cultures that have shaped the world we live in today and enables students to develop thinking, writing and speaking skills. Students may elect to study units in Ancient History, Pre-Modern History and Modern History, and do not need to have studied history previously.

ANCIENT HISTORY (T/A/M)

In Ancient History, students study the key institutions, structures and features of ancient societies and develop a broader and deeper comprehension of the origins, impact and legacy of ideas, beliefs and values of the ancient world. Units focus on evidence and investigation of ancient societies, significant social and cultural features, the exercise of power and authority and key institutions, practice and events in ancient societies.

PRE-MODERN HISTORY (T/A/M)

In Pre-Modern History, students study the key institutions, structures, and features of global societies in the period c 400-1750 CE. Students develop a broader and deeper comprehension of the origins, impact and legacy of ideas, beliefs, and values of the pre-modern world. Units focus on the factors that transformed society, life and important figures of 'golden ages', contact and conflicts between societies and the exercise of power and authority in the pre-modern period.

MODERN HISTORY (T/A/M)

In Modern History, students study the forces that have shaped the modern world and develop a broader and deeper comprehension of the world in which they live. This course covers the 20th century, with units focussing on significant developments that have defined the modern world, significant social movements, political organisation and distinctive features emerging in the period 1945 – 2010.

LEGAL STUDIES (T/A/M)

Legal Studies explores the institutions and processes of law in a social, economic and political context. Students investigate, question and evaluate their personal view of the world and society's collective future. Units focus on the Australian criminal justice system and the various rights and responsibilities of individuals, groups and organisations. Students examine how the law balances these rights and responsibilities between individuals, communities and states. This course seeks to relate the laws in our society to our everyday lives, and makes use of court visits, guest speakers, mock trials, debate and seminars to make the subject relevant and meaningful to students.

SOCIOLOGY (T/A/M)

The Sociology course helps students understand and think critically about modern society, focusing on historical, social, structural and cultural forces that shape everyday life. Units focus on perceptions of the self and others, the concepts of equality and justice, culture, and social institutions. Sociology takes a broader approach to understanding human behaviour than does Psychology by examining how a society made up of individuals works as a whole, and provides continuity with a number of tertiary and industry courses.

SOCIAL AND COMMUNITY WORK (A/M)

Social and Community Work incorporates working with children, young people, the elderly, and people with disabilities or the community generally, giving students invaluable skills and knowledge to assist in entering the workforce. Units focus on the community service industry, disability sector, early childhood development and issues facing youth in society. This course can provide pathways into childcare, aged care, teaching, nursing, and youth work.

CONNECTED LEARNING (A/M)

Connected Learning is valuable to students for their future life, study, and work. It offers the opportunity for students to learn about how to grow and flourish in an increasingly complex and interconnected world. The course builds critical reading and analysis skills that are vital to future study.



PATHWAYS TO WORK AND LEARNING (A/M)

This course is designed for students who are seeking preparation for workforce entry or vocational training technology skills as well as develop life skills and career planning. Units focus on understanding the self, identifying opportunities, demonstrating career enhancing decision making, goal setting and actioning plans. All students who participate in the course are encouraged to undertake at least one structured work learning placement.



ERINDALE COLLEGE SPORTS ACADEMY

The Erindale College Sports Academy offers six major courses: Certificate III in Fitness (E), Exercise Science (T/A/M), Health and Wellbeing (T/A/M), Physical Education Studies (A/M), Sports Development (A/M) and Sport, Recreation and Leadership (A/V/M).

The Sports Academy facilitates study of the biological, physiological, psychological, social and cultural influences on performance and participation in physical activity. Students develop knowledge, understanding and skills, including physical literacy competencies, to support them to be resilient, to strengthen their sense of self, to build and maintain relationships, and to make decisions to enhance their health and physical participation. The Erindale College Sports Academy enjoys the unique advantages afforded by the facilities of the Active Leisure Centre.

CERTIFICATE III IN FITNESS (E)

The Certificate III in Fitness course is designed for students interested in becoming personal trainers or working in the fitness industry. Students will be trained by qualified staff utilising the Active Leisure Centre facilities to support learning. Erindale College is unique in offering this course in the ACT to College students. Students who undertake this course must commit to the full two years of study* and the required course fee**. Upon completion, students will attain a Certificate III and direct entry into a Certificate IV in Fitness for further study.

*students must remain enrolled in this course for two years. i.e. a year 12 student is not eligible to begin this course in their final year at college.

**a one-off \$460.00 payment is a requirement for this course. (subject to external price adjustments)

EXERCISE SCIENCE (T/A/M)

Exercise science examines biological, biomechanical, physiological and psychological theories and their influence on performance and participation in physical activity. Units cover the structure and function of bodily systems, the physiological, psychological and behavioural theories that influence athletic performance, the effectiveness of training and nutritional guidelines and how to analyse and interpret the body in motion. Students gain knowledge through experiential learning to develop insights into the science underpinning sports performance and movement. This course is useful for students wishing to continue their studies in the Exercise Science, Sports Psychology and Sports Coaching fields.

HEALTH AND WELLBEING (T/A/M)

Health and Wellbeing is the study of biological, physiological, psychological, social and cultural influences on health and broader wellbeing. Students develop the ability to analyse influences and make decisions regarding health at an individual, community and global level. Units focus on the indicators and determinants of individual, community and global health, major causes of ill health and various interventions to promote wellbeing and sustainable human development. Students analyse the nature and purpose of health and wellbeing and develop insights into how values, behaviours, priorities and actions reflect the complex contexts in which people live. This will assist students seeking careers in a variety of professions such as applied health, social work and nutrition.

PHYSICAL EDUCATION STUDIES (A/M)

Physical Education Studies (PE) provides students with skills and knowledge to maintain healthy lifestyles, work with others and improve physical and team skills. Units focus on the acquisition and development of sports skills, improving fitness and wellbeing, building teamwork and a variety of culturally diverse sports and physical activity. Research studies show adolescents with fundamental sports skills are more likely to continue physical activity later in life, through theory and practical activities, PE assists students in preparing for lifelong physical wellbeing.

SPORTS DEVELOPMENT (A/M)

Entry to this course is based on application only

The Sports Development course is designed to cater for student athletes who have been selected for the Talented Sports Program at Erindale College. Units focus on building and maintaining elite athletes, covering time-management and lifestyle balance, individual and/or team development, the role of nutrition and recovery, contemporary issues and technology in sport. Student programs are tailored to meet the individual athlete's needs and sporting requirements in close consultation with identified coaches and sporting organisations, providing students with adequate time and access to the facilities they need to develop their specialised skills.

SPORT, RECREATION AND LEADERSHIP (A/V/M)

Sport, Recreation and Leadership is designed to facilitate opportunities for careers in the fitness industry. Units examine recreation in Australian culture; the relevance of physical and interpersonal skills; safety and technology; the contribution recreation makes to health and wellbeing; and how the industry contributes to individuals and communities. Students have the opportunity to assist at local school's sporting events as coaches and leader





MATHEMATICS, SCIENCE & INFORMATION TECHNOLOGY ACADEMY

MATHEMATICS COURSES

Mathematics at Erindale College provides pathways to university, Canberra Institute of Technology and other training providers. Students completing courses in this area learn to use mathematical ideas and techniques, collect and analyse data and problem solve. Transferable skills are gained through communicating ideas and information, teamwork, the use of appropriate technology and applied problem solving.

There are six courses offered in Mathematics: Contemporary Mathematics (A/M), Essential Mathematics (A/M), Mathematical Applications (T), Mathematical Methods (T), Specialist Methods (T) and Specialist Mathematics (T).

CONTEMPORARY MATHEMATICS (A/M)

This level of Mathematics is offered based on recommendation only and cannot be self-selected by students.

This course focuses on developing students' numeracy skills and their capacity to communicate using mathematical language, as well as their ability to interpret mathematical and statistical information. Units focus on numeracy skills for employment, personal finances, day-to-day living and health and fitness. This course aims to improve problem solving beyond college, enhancing knowledge and skills students will require in employment and in managing personal finances.

ESSENTIAL MATHEMATICS (A/M)

Essential Mathematics focuses on using mathematics effectively, efficiently and critically to make informed decisions. It provides students with the mathematical knowledge, skills and understanding to solve problems in real contexts for a range of personal and workplace settings, including trades. Units focus on measurement, formulas, data comparison and probability. This subject provides the opportunity for students to prepare for post-school employment and further training.

MATHEMATICAL APPLICATIONS (T)

Mathematical Applications focuses on the use of mathematics to solve problems in context. Units focus on financial modelling, geometric and trigonometric analysis, graphical and network analysis, and growth and decay in sequences. This course also provides opportunities for students to use the statistical investigation process for answering questions that involve analysing univariate and bivariate data.

MATHEMATICAL METHODS (T)

Mathematical Methods is designed to provide students with techniques in abstract reasoning, calculus, and other mathematical procedures. Units focus on algebraic concepts and techniques, calculus and exponential and logarithmic functions. Students are provided a foundation for further study in areas where mathematical modelling plays a major role.

There are no formal prerequisites for this course. However, it is expected that students will have satisfactorily completed Advanced Level Mathematics (or equivalent) at high school.

SPECIALIST METHODS (T)

Specialist Methods is similar in content to Mathematical Methods but aims to extend students further than the standard Methods course. Specialist Methods focuses on of the use of calculus and statistical analysis. The study of calculus in Specialist Methods provides a basis for an understanding of the physical world involving rates of change, including the use of functions, derivatives and integrals in modelling physical processes. The study of statistics in Specialist Methods develops the ability to describe and analyse phenomena involving uncertainty and variation.

SPECIALIST MATHEMATICS (T)

Specialist Mathematics is the only mathematics subject that cannot be taken as a stand-alone subject. It can only be taken in conjunction with Specialist Methods

Specialist Mathematics provides opportunities, beyond those presented in Specialist Methods, to develop rigorous mathematical arguments and proofs and to use mathematical models more extensively. Specialist Mathematics contains topics in functions and calculus that build on and deepen the ideas presented in Specialist Methods, as well as demonstrate their application in many areas. Specialist Mathematics also extends understanding and knowledge of probability and statistics and introduces the topics of vectors, complex numbers and matrices.

SCIENCE COURSES

Science is a prerequisite subject for further studies and employment in engineering, architecture, environmental studies, and health sciences (including nursing, medicine and dentistry). Students with a Science subject on their ACT Senior Secondary Certificate are favoured by the Canberra Institute of Technology and most trades prefer students with science in their background.

There are eight courses available in Science: - Biology (T/A), Chemistry (T), Earth and Environmental Science (T/A), Food Science & Nutrition (T/A/M), Flight (T/A/M), Human Biology (T/A/M), Physics (T) and Psychology (T/A/M). These courses are designed to meet a range of interests, abilities and career needs.

BIOLOGY (T/A)

In Biology, students develop their understanding of biological systems, the components of these systems and their interactions. Units focus on abiotic and biotic ecosystem components and interactions, components of the cell system, mechanisms of heredity and the impacts of changing external conditions and pathogens.

CHEMISTRY (T)

In Chemistry, students develop their understanding of chemical systems, how models of matter and energy transfer and how transformations can be used to describe, explain and predict chemical structures, properties and reactions. Units focus on atomic structures, properties and reactions, equilibrium and chemical reactions.

EARTH AND ENVIRONMENTAL SCIENCE (T/A)

In Earth and Environmental Science, students develop their understanding of how interactions between Earth systems influence Earth processes, environments and resources to provide a foundation for further studies or employment in Earth and environmental science related fields. Units examine theories of Earth development, transfers and transformations of energy, renewable and non-renewable resources and how human activity contributes to Earth hazards. Earth and Environmental Science provides students with opportunities to explore the theories and evidence that frame our understanding of Earth's origins and history.

FLIGHT (T/A/M)

The Flight course provides students with scientific inquiry skills, the capacity for creative and critical thought, and scientific literacy that will assist them in pursuing a career in aviation or other highly technical, science-based industries. Units focus on the history of manned aircraft, the principles and practices of aircraft navigation, meteorology and aircraft operation. Students explore scientific concepts, build scientific skills and develop scientific literacy within an aviation context. The emphasis on technological, scientific and data literacy will support students who seek further education in science, engineering and aviation.

Students who undertake this course at a tertiary level are encouraged to also study Physics and tertiary Mathematics.

HUMAN BIOLOGY (T/A/M)

Human Biology covers a wide range of ideas relating to the structure and function of the human body. Units focus on the human life cycle, health issues and modes of treating illness. Students research new discoveries that are increasing our understanding of the causes of dysfunction, which can lead to new treatments and preventative measures. This course provides a foundation with which to pursue careers in medicine, nursing, and physiotherapy.



PHYSICS (T)

In Physics, students develop their understanding of the core concepts, models and theories that describe, explain and predict physical phenomena. Units focus on energy production, linear motion, gravitational, electric and magnetic fields and revolutions in modern physics. Erindale College offers 5.5 units of Physics allowing students to complete a major-minor. It is recommended that students have a firm understanding of algebra if selecting this course.

FOOD SCIENCE AND NUTRITION (T/A/M)

Food Science and Nutrition explores the links between food, health, and diet-related diseases. Students examine factors that influence food choices and reflect on local, national, Indigenous, and/or global issues related to the study of food and nutrition. They investigate methods of food production, development and distribution that affect the quantity and quality of food and consider the ways in which these methods and associated technologies influence the health of individuals and communities. This knowledge enables students to exert an influence on future developments in the food industry as educated citizens and in their future careers.

This course has been developed in conjunction with the University of Canberra Faculty of Health-Nutrition and Dietetics allowing students to continue a pathway leading to careers in nutrition, dietetics and many other fields of health sciences. It is highly recommended that students intending to select this course also consider at least a minor in Chemistry.

PSYCHOLOGY (T/A/M)

The Psychology course focuses on human cognition and behaviour at the individual level, the differences and commonalities between people and how behaviour can be understood in a social and cultural context. Units focus on individual differences, the biological basis of human psychology, factors that influence physical and mental wellbeing and social relationships. A knowledge of psychology gives enduring insights into all aspects of the human experience so that students gain a deeper understanding both others and themselves. Psychology may be incorporated with Sociology to form a course in Behavioural Science.

INFORMATION TECHNOLOGY COURSES

Information Technology (IT) courses provide students with the tools and skills required to actively engage in a technologically diverse world, encouraging students to make informed, social and ethical decisions when using technology and accommodate the rapidly changing nature of IT and the engagement of new and emerging technologies. Information Technology (IT) is taught through a combination of the following:

DATA SCIENCE T/A

In Data Science, students explore and develop solutions to problems in a range of contexts, using data as evidence to form compelling and persuasive arguments for change and innovation. This course provides students with a solid foundation for further study, research, and employment in a broad range of industries.

DIGITAL TECHNOLOGIES T/A/M

In Digital Technologies, students learn about computational thinking and the application of the design process to create and develop digital solutions using a variety of digital technologies. This course serves as a basis for further education and employment in the IT industry in a range of fields including programming, web development, robotics, and games development



TECHNOLOGY & CREATIVE ARTS ACADEMY

TECHNOLOGY COURSES

Technology courses offer a wide a range of practical classes with a strong emphasis on vocational education, assisting students to develop the skills and knowledge to pursue a variety of career pathways, lifelong leisure interests and independent living. This area has excellent facilities, including a state of the art fully operational training restaurant, commercial kitchen, coffee shop and well-equipped textile, metal and wood workshops.

There are seven major courses offered in Technology: Design and Emerging Technologies (T/A/M), Design & Graphics (T/A/M), Design and Textiles (T/A/M), Hospitality (A/V/M), Food Studies (A/M), Timber Products (A/M) and Metal Products (A/M).

DESIGN AND EMERGING TECHNOLOGIES (T/A/M)

Design and Emerging Technologies offers students the opportunity to explore skills and techniques used in professional design industries. Students learn how the selection and use of technologies contributes to a sustainable and improved future, developing research, computational thinking and communication skills. Throughout this course, students consider global perspectives, identifying ethical issues related to technology and use designed thinking to develop practice skills and develop new ideas. Student will learn and apply the design cycle in various projects ranging from physical products built in the workshop to projects built and made using CAD, 3d printers and laser cutters. Students will learn appropriate techniques and programs to achieve this.

DESIGN AND GRAPHICS (T/A/M)

Design and Graphics focusses on exploring the purposeful use of technologies and creative processes to produce design solutions. Students acquire knowledge and develop skills using technologies and other processes appropriately, to design and create graphic solutions.

Students engage with emerging technologies, make connections with industry, and apply industry standards and practices through the development of their projects.

Design and Graphics provides pathways in a range of related fields such as architecture, digital 3D modelling, industrial design, engineering, interior design, graphic design, furniture design, fashion, jewellery, ceramics, textiles, and trade-based careers.

DESIGN AND TEXTILES (T/A/M)

The Design and Textiles course focuses on design thinking and the application of the design process to create clothing. Units focus on design theories and aesthetics, exploring the foundations of design, emerging technologies, and designing for a sustainable future.

Students will have the opportunity to explore creativity, problem solving and project management skills in making design solutions. They will learn new fabric dyeing, printing and embellishment techniques to enhance textiles and gain everyday skills in textile construction techniques.

Design and Textiles is a suitable course to study for those interested in further education and employment in design fields such as: fashion design, interior design or decoration, personal styling, industrial design, costume design, clothing production manufacture and textile technologies.

FOOD STUDIES (A/M)

This course is intended for all students who wish to learn more about food, food preparation and other social and environmental factors which influence our eating habits. Units focus on food safety, nutrition, food sustainability, the importance of food in different cultures and the strengths and weaknesses of contemporary food products. Students evaluate and discuss health issues in connection with our lifestyles and are equipped with the knowledge to make better food choices.

TIMBER PRODUCTS (A/M)

This course provides students with knowledge, understanding and skills relating to areas of work inside the industry & services domains of constructing timber products. Students will investigate industry practices, processes and procedures in addition to exploring technical information, sustainability, equipment and work health & safety (WHS). While learning how to use machinery, tools and timber materials to design and create products, students will be provided the opportunity to problem solve, make decisions and develop interpersonal and intrapersonal skills suitable for employment and further training.

HOSPITALITY INDUSTRY (C)

In Hospitality, students focus on the dynamic nature of the hospitality industry and develop an understanding of contemporary approaches and issues related to food and hospitality. Students utilise skills in technology, including the use of social media in marketing. They develop safe work practices in the preparation, storage and handling of food, and comply with current health and safety legislation, including infection prevention and control policies and procedures. The course provides opportunities to complete VET qualifications or a Statement of Attainment from the Tourism, Travel and Hospitality (SIT) Training Package. Students have the opportunity to develop a range of employability skills relevant to the hospitality industry, which equips them for a variety of career opportunities across a range of industries or provide a pathway to further tertiary studies.

METAL PRODUCTS (A/M)

In Metal Products students use a range of tools and specialist equipment to construct personal projects. Students enjoy predominantly practical work in this course, which is supplemented though sketching and theory exercises designed to develop technical language. Units focus on workshop procedures, metal manufacturing welding and cutting skills and project management. This course aims to provide students with appropriate skills, knowledge, and attitudes to make informed decisions on seeking a career in many industries including plumbing, building, metal trades, and professions in engineering, quantity surveying and construction management.



CREATIVE ARTS COURSES

Creative Arts courses at Erindale College strive to develop and continuously build upon the ever-growing strength of the visual and performing arts culture within the school and community. Subject specific technologies and equipment and proactive, skilled arts educators combine to offer students a number of pathways designed to excite their curiosity and provide opportunities to excel in creativity, aesthetic appreciation, critical analysis, exhibitions and live performance.

There are seven courses offered in Creative Arts: Dance (T/A/M), Talented Dance Program (A), Drama (T/A/M), Media (T/A/M), Music (T/A/M), Photography (T/A/M) and Visual Art (T/A/M).

DANCE (T/A/M)

Dance courses at Erindale college enable students to engage with this unique art form through both practice and analysis. Through dance performance students learn about the elements of dance, rehearsal, choreography, compositional principles and technical and performance skills in order to engage the audience. Units in dance cover genres from classical to hip-hop, exploring dance styles throughout history, communities, and productions. In responding critically to dance performances, students learn about the roles of choreographer, dancer, audience, and critic and develop a critical appreciation of techniques, conventions and meaning as well as the social, cultural and historical significance of dance.

TALENTED DANCE PROGRAM (A)

Entry to this course is based on application only

This is a program of excellence designed to extend and develop the talents of students in the performing art of dance. This challenging course extends students with highly qualified staff and visiting tutors. Students involved in the program develop their technique, composition, performance and analytical skills and will have the opportunity to prepare for auditions and create show reels for tertiary dance institutions and explore other careers in the field of dance. Units in this program are in line with the units of Erindale College's Dance courses, though offered at an A level only.

DRAMA (T/A/M)

The Drama course at Erindale College enables students to make meaning of the world through enactment. Through performance, students learn about the elements of drama, rehearsal strategies, workshopping, improvising, technical and performance skills to engage and communicate with an audience. Units cover a number of theatrical genres, various roles in drama productions, elements of lighting and set design and the creation of drama ensembles. By responding to the performances of others, students explore theory, elements of production, the roles of directors, actors and playwrights and consider dramatic practices, elements genres, styles and production techniques and conventions.

MEDIA (T/A/M)

The Media course has two main functions: to help students understand the nature of media communications and learn how to produce powerful multi-media products. Students develop this knowledge through the creation of practical assignments and through undertaking written and oral analyses of numerous forms of media. Units focus on creative process, media forms and styles, the social, historical, political, and cultural influence on media representations, and the narratives of fictional and non-fictional media products. An understanding of media and media productions is of substantial benefit to all students who wish to prepare for a world impacted by dynamic and influential media technologies.

MUSIC COURSES

At Erindale College, students can engage with Music as absolute beginners through to experienced players. Regardless of the level a student enters, their understanding of music will be developed and challenged throughout their time at the college. Through their engagement with the Music course, students will have the opportunity to participate in a creative pursuit that enriches their lives well beyond their school years.

MUSIC (A/M)

Accredited/Modified Music courses are designed for a wide range of students, from beginners to those who have studied music in High School, or privately. With an emphasis on practical music making, students enrolled in this course study a variety of musical styles and their influence on today's music and society. Regular classes in music history, theory and aural help deepen the student's appreciation of music and their understanding of the elements of music.

MUSIC (T)

Tertiary Music courses are designed for students who have a background in music and are interested in extending their understanding. Through a practical approach to studying music, students rehearse in small groups and whole class ensembles, and are required to perform a selection of specific repertoire for assessment. Students are encouraged to become familiar with scales and chords to develop their musicianship and improvisation skills. A broader appreciation of a variety of genres, the artists who contributed to these genres, and the place of music in society is developed through the units of learning. Regular classes in music theory and aural help deepen the student's appreciation of music and their understanding of the elements of music. Students are given a Composition Task in each unit, where they apply their theory knowledge and conventions of writing music to their own compositions.



PHOTOGRAPHY (T/A/M)

At Erindale College, our Photography course focuses on building and refining students' technical skills in composition and lighting, while also exploring artistic expression and developing critical analysis abilities. Students will have the opportunity to experiment with professional-grade equipment, learn advanced techniques, and explore various photography genres, including still life, portraiture, landscape, content creation, architecture, fashion, and sports. The course combines theory, hands-on practice, critique sessions, and collaborative projects to enhance students' ability to analyse and interpret photographs, strengthening their visual storytelling and communication skills. By the end of the course, students will not only have expanded their technical expertise but also developed a unique photographic style. Their portfolio will showcase mastery in advanced techniques and the ability to convey meaningful stories through visual imagery. This course provides a strong foundation for pursuing professional photography careers or continuing further academic studies in the field.

VISUAL ART (T/A/M)

The Visual Art course is designed to provide opportunities for beginning and experienced art students to improve their technical art-making skills and become creative and critical thinkers. Units focus on creative processes through various conventions and forms, how meaning and concepts are communicated through art, the ways art and artists change through time and place and how art can be used to create narratives. Students will carry out teacher and student led practical projects, communicate their processes in a visual diary and support their art-making practices by studying aspects of art history and critical analysis of art works. Students are encouraged to exhibit their work in the school and community.



COMPASS PROGRAM

The Compass Program is designed to support students with special needs. It provides individualised and diverse learning pathways that promote self-sufficiency and enable our students to acquire the skills they need to succeed in school, work and relationships. This is achieved through personalised pastoral care, inclusive educational programs, and small group instruction. Compass Program students are encouraged to engage in a mix of mainstream classes, small group Compass Program classes and reverse inclusion classes. All Compass classes are BSSS courses that have been modified to cater to the needs and strengths of the students in the class.

Compass Program students must have completed Year 10 studies in a disability education setting or be assessed by a school psychologist as meeting the criteria for access to a place in the program.

Small group Compass Program classes include: Active Volunteering (M), Contemporary English (M), Contemporary Mathematics (M), Food Studies (M), Life, and Leisure and Learning (M), Pathways to Work and Learning (M), Health and Wellbeing (M), Senior Science (M).

CONTEMPORARY ENGLISH (M)

Contemporary English (M) focuses on developing reading, writing, speaking, and listening skills. Lessons are designed to actively assist students in the development of communication skills needed for conversation, research, presentations and the expression of viewpoints and arguments. Students in this course work collaboratively in teams and independently as part of their learning and research endeavours. Tasks are modified to ensure all students can access the content and broaden their literacy skills.

CONTEMPORARY MATHEMATICS (M)

Contemporary mathematics focuses on the numeracy skills students will require for post-college employment and to manage their personal finances. Students will have the opportunity to study numeracy in the workplace, financial numeracy, numeracy skills for living and maintaining personal and supporting others' health. Tasks are modified to ensure all students can access the content and broaden their numeracy skills.

FOOD STUDIES (M)

This course is run as a reverse inclusion class. A small number of 'mentors' join this class to provide social skill development at a peer level. Whilst this is a practically focused course which has been developed for students with an interest in food, health and well-being, it also aims to provide students with a platform to practise and

develop their social skills through organic interactions with their mentors. All students in this reverse inclusion class shop, cook, clean, eat and learn together.



Pathways to Work and Learning M

Pathways to Work and Learning provides students with opportunities to acquire knowledge, understanding and skills to access further studies and employment. Students identify their existing skills, target areas for development and actively seek to build skill sets for work and learning opportunities. The course supports the acquisition of enterprise skills, such as communication, presentation, digital and teamwork that give access to a wide range of occupations and allows students to acquire new and emerging skills sets.

Students will also participate in Community Learning projects each semester to further develop the enterprise skills.

Health and Wellbeing M

Health and Wellbeing is a course that looks at the health and wellbeing of individuals, the community and at a global level. Students develop their knowledge and understanding of theories, concepts and perspectives to explain health and lifestyle trends and patterns.

Health and Wellbeing prepares students for career and employment pathways in a range of sectors including and beyond traditional health professions.

During this course students will also complete a practical component each semester such as gym work, swimming etc. to improve their overall fitness and wellbeing.

Senior Science M

This course offers students the opportunity to experience learning across a variety of Science disciplines, covering subjects such as Earth and Environmental Science, Forensics Science, Human Biology, Animal Science, Cosmetics and Beauty, and Astronomy. Senior Science is fun and engaging and encourages students to explore and learn more about topics that interest them while embedding foundation principles across the traditional sciences of Physics, Chemistry, Biology and Environmental Science.



YEAR 10 PROGRAM

Erindale College offers a Year 10 program for students who are gifted and talented in their field of sporting, dance, or academics. To be accepted into the Year 10 Program, all students must be able to demonstrate high self-management skills, academic success, a commitment to schooling and their suitability for the Talented Sports Program (TSP) or Talented Dance Program (TDP) or Academic Honours Program (AHP).

Students who are interested in the program for 2023 must complete a Year 10 application form, available from the Erindale College website, applications become available towards the end of Semester 1. Students are also required to complete Reading and Numeracy Testing and may be invited to attend an interview with the Program Coordinators and/or Deputy Principal.

Year 10 student timetables includes a pastoral care class on Monday as well as a study line. This study line is particularly advantageous to students with extensive extra-curricular requirements, for example intensive sports training, as it allows them to complete revision, homework and assignments during school hours.

Year 10 students who meet all the requirements will be awarded a Year 10 Certificate at the end of the year.

YEAR 10 CORE SUBJECTS

Students in Year 10 complete either mainstream or extension Australian Curriculum Mathematics, English, History, Science and Sport Science or Sport & Recreation classes. All Year 10 students are enrolled in a Year 10 Link class where their progress at college is closely monitored and supervised.

YEAR 10 ENGLISH

The Year 10 English course at Erindale College is guided by the Australian National Curriculum. The three strands of Literature, Literacy and Language are taught concurrently in both semesters. Students study a variety of novels, plays, poetry, short stories and film and are assessed in both receptive (listening, reading, viewing) and productive (speaking, writing, creating) modes using the National Curriculum achievement standards.

YEAR 10 HISTORY

Year 10 History focuses on Australia in the Modern World and provides an overview of the modern period along with in-depth studies which may include: Australia's involvement in World War I; post-war migration to Australia; the civil rights movement in the United States or apartheid in South Africa compared with Indigenous rights in Australia; the Cold War and the fall of the Berlin Wall; the influence of globalised American culture on Australia and elsewhere; decolonisation of the Asia-Pacific and the growth of environmentalism.

YEAR 10 MATHEMATICS (EXTENSION PROGRAM)

The curriculum for this Year 10 course meets all the requirements of the Australian Curriculum for Year 10 Mathematics. Topics include: Using Units of Measurement; Patterns and Algebra; Data Representation and Interpretation; Chance; Geometric Reasoning; Linear and Non-Linear Relationships; Pythagoras and Trigonometry; Money and Financial Mathematics. On successful completion of this unit students would be well placed to study either Mathematical Applications or Essential Mathematics in Year 11. Student progress is assessed through testing, homework assignments and classwork.

YEAR 10 MATHEMATICS (EXTENDED)

The curriculum for this Year 10 course meets all the requirements of the Australian Curriculum for Year 10 A Mathematics, which is the advanced strand.

This level of Mathematics includes advanced concepts for the topics listed for the Year 10 Mainstream Mathematics course as well as additional concepts including Real Numbers and Logarithms, Polynomials, The Unit Circle and Circle Geometry.

Further extension is provided to students through the Australian Mathematics Trust Enrichment Series. Students in this course will complete enrichment questions designed to develop the essential mathematical skills of problem solving and communication, as well as to encourage curiosity about Mathematics. This program will be used in conjunction with tests to assess student progress in the unit.

YEAR 10 SCIENCE

Students in Year 10 Science study one science unit per term. These units include Biology, Chemistry, Earth and Space, Science and Physics as per the Australian Curriculum. Through these units students also learn about the development, use and influence of science. Students develop the science inquiry skills of questioning, predicting, planning and conducting experiments, as well as processing and analysing the data collected and evaluating their conclusions.

YEAR 10 PHYSICAL EDUCATION

The curriculum for this Year 10 course of study meets all the requirements of the new Australian Curriculum for Year 10 Health and Physical Education. Focus areas to be addressed in year 10 may include: alcohol and other drugs, food and nutrition, healthy benefits of physical activity, mental health and wellbeing, safety, challenge and adventure activities, games and sports, lifelong physical activities and rhythmic and expressive movement activities.

YEAR 10 ELECTIVE SUBJECTS

In addition to the mandatory core units, students are able to select a number of elective courses. Students are also able to select subjects from the Year 10 curriculum, or, upon successful application, either the Erindale College Talented Dance or Sports Programs.

TALENTED DANCE PROGRAM

This is a program of excellence designed to extend and develop the talents of students in the performing art of dance. Students will be extended in this challenging course with highly qualified staff and visiting tutors. Students involved in the program will continually develop their technique, composition, performance and analytical skills. Students will have the opportunity to prepare for auditions and create show reels for tertiary dance institutions and other careers in the field of dance.

Students in Year 10 who are interested in the TDP must complete a Year 10 application form, available from the Erindale College website. Students will be required to participate in an audition in order to gain selection for the TDP. Students and their parents are also required to attend an interview with the Deputy Principal and/or the Program Coordinators.

TALENTED SPORTS PROGRAM

The Talented Sports Program provides Year 10 students with an environment where they are able to pursue excellence in their chosen sport. TSP enables students to achieve their potential in their academic studies at either Tertiary or Accredited level. It provides an environment where talented sports students are able to work with similarly minded students to maximise their development in both their academic and sporting pursuits.

A committee comprising the TSP coordinator, the Principal and representatives from the relevant sporting organizations consider all applications. Suitable students will then be offered a place in the Talented Sports Program.



HONOURS PROGRAM

Start your personal pathway now!

The Erindale College Honours program is a challenging, student-centred way of learning, valuing academic excellence and ensuring that students are realising individual potential. Our students seeking to be personally challenged, will pursue extension or enrichment opportunities tailored to their unique passions.

Students will have the support to excel in their chosen field, make new connections and networks, and gain valuable skills and experiences for their futures. As part of the process, students will create an ePortfolio as evidence of their ability to complete goals and reflect on their learning and enrichment. The aim of this digital portfolio is for students to capture their Honours program, and have a portfolio that can be utilised for applications of entry to tertiary institutions or specialist courses, scholarships and future employment.

Students from year 10 – 12 will:

- Create a unique pathway choosing from University courses, competitions, excursions, events, projects and seminars
- Successfully complete courses in their study package
- Engage in leadership opportunities using Design Thinking
- Build an ePortfolio of evidence
- Work with a mentor from our teaching staff
- Recognition at graduation with an Honours Certificate and medal

Students can apply to join the Erindale College Honours Program at the beginning of Year 10, 11 or 12. Application forms are available from Student Services (e-knex).

