

Guelph Collegiate Vocational Institute

Grade 11 Course Selection for 2024-2025

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Art

ASM3M - Media Arts, Grade 11, University/College Preparation

This course focuses on the development of media arts skills through the production of art works involving traditional and emerging technologies, tools, and techniques such as new media, computer animation, and web environments. Students will explore the evolution of media arts as an extension of traditional art forms, use the creative process to produce effective media art works, and critically analyse the unique characteristics of this art form. Students will examine the role of media artists in shaping audience perceptions of identity, culture, and values.

Prerequisite: ASM2O, Media Arts, Grade 10, Open

ASM3O - Media Arts, Grade 11, Open

This course enables students to create media art works using available and emerging technologies such as computer animation, digital imaging, and video, and a variety of media. Students will explore the elements and principles of media arts, the connections between contemporary media art works and traditional art forms, and the importance of using responsible practices when engaged in the creative process. Students will develop the skills necessary to create and interpret media art works.

AVI3M - Visual Arts, Grade 11, University/College Preparation

This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emergent technologies. Students will use the critical analysis process when evaluating their own work and the work of others. This course is a comprehensive program. Students will analyze art works and study aspects of Western art history, as well as art forms from Canada and other parts of the world.

Prerequisite: AVI1O or AVI2O, Visual Arts, Grade 9 or Grade 10, Open

Business Department

Accounting

BAF3M - Financial Accounting Fundamentals, Grade 11, University/College Preparation

This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerized accounting, financial analysis, and current issues and ethics in accounting.

Optional Workbook Fee: \$30.00

BAI3E - Accounting Essentials, Grade 11, Workplace Preparation

This course introduces students to the accounting cycle of a service business. Students will use computer application software to record business transactions and to prepare financial statements. Students will also investigate banking and cash management, decision-making, ethical behaviour, and career opportunities in the field of accounting.

Optional Workbook Fee: \$30.00

Entrepreneurship

BDI3C - Entrepreneurship: The Venture, Grade 11, College Preparation

This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. Students will create a venture plan for a school-based or student-run business. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.

Marketing

BMI3C - Marketing: Goods, Services and Events, Grade 11, College Preparation

This course introduces the fundamental concepts of product marketing, which includes the marketing of goods, services, and events. Students will examine how trends, issues, global economic changes, and information technology influence consumer-buying habits. Students will engage in marketing research, develop marketing strategies, and produce a marketing plan for a product of their choice.

Note: Students will also develop and present a marketing plan for a specific product, culminating in a trade show.

BMX3E - Marketing: Retail and Service, Grade 11, Workplace Preparation

This course focuses on marketing activities in the retail and service sectors. Students will examine trends and global influences on marketing decisions, and will learn about the importance of customer service in developing a customer base and maintaining customer loyalty. Through hands-on learning, students will develop personal selling and information technology skills that will prepare them for a variety of marketing related positions in the workplace.

Note: This is an essential course for those students considering a career in retail.

Computer Software

BTA30 - Information and Communication Technology: The Digital Environment, Grade 11, Open

This course prepares students for the digital environment. Using a hands-on approach, students will further develop information and communication technology skills through the use of common business software applications. The concept and operation of e-business will be explored, and students will design and create an e-business website. The skills developed in this course will prepare students for success in the workplace and/or postsecondary studies.

Note: Students will use HTML to create web pages.

Canadian Law

CLU3E - Understanding Canadian Law in Everyday Life, Grade 11, Workplace Preparation

This course enables students to develop a practical understanding of laws that affect the everyday lives of people in Canada, including their own lives. Students will gain an understanding of the need for laws, and of their rights, freedoms, and responsibilities under Canadian law. Topics include laws relating to marriage, the workplace, cyberbullying, and criminal offences. Students will begin to develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating legal issues that are relevant to life in Canada today.

Prerequisite: CHC2D or CHC2P, Canadian History since World War I, Grade 10, Academic or Applied

CLU3M - Understanding Canadian Law, Grade 11, University/College Preparation

This course explores Canadian law, with a focus on legal issues that are relevant to the lives of people in Canada. Students will gain an understanding of laws relating to rights and freedoms in Canada; our legal system; and family, contract, employment, tort, and criminal law. Students will develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating a range of legal issues and formulating and communicating informed opinions about them.

Prerequisite: CHC2D or CHC2P, Canadian History since World War I, Grade 10, Academic or Applied

Computer Studies

ICS3C - Introduction to Computer Programming, Grade 11, College Preparation

This course introduces students to computer programming concepts and practices with a focus on game design. Students will write and test computer programs, using various problem-solving strategies, with Python and the pygame library. They will learn the fundamentals of program design and apply a software development life-cycle model to a video game project. Students will also learn about computer environments and systems, and explore environmental issues related to computers, safe computing practices, emerging technologies, and postsecondary opportunities in computer-related fields.

ICS3U - Introduction to Computer Science, Grade 11, University Preparation

This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields.

Co-op

FTECO2 - 2 Credit Co-Op, Grade 11, Open

Cooperative Education is a unique educational process designed to promote skill development, individual career development and self-awareness by integrating classroom learning with planned and supervised practical experiences in a community placement. The basic principle of Cooperative Education is that personal growth and career development are best achieved by an educational method which combines classroom learning with practical experiences. Learning does not confine itself to academic mastery. A student's attitude, interests, values, needs and motives depend equally upon practical experience and traditional academic learning. Cooperative Education provides realistic and relevant experiences that develop the whole person because it bridges the gap between classroom study and what a student needs to know to become a productive member of society.

Choose this co-op if there is a specific industry or job sector you would like to explore (ex. Business, Health Care, Construction, Visual Arts, etc.). The Co-op Department will contact you with further information after course selection is complete.

Drama

ADA3M - Dramatic Arts, Grade 11, University/College Preparation

This course requires students to create and to perform dramatic presentations. Students will analyse, interpret, and perform dramatic works from various cultures and time periods. Students will research various acting styles and conventions that could be used in their presentations, and analyse the functions of playwrights, directors, actors, designers, technicians, and audiences.

Prerequisite: ADA10 or ADA20, Drama, Grade 9 or 10, Open

ADA30 - Dramatic Arts, Grade 11, Open

This course requires students to engage in dramatic processes and the presentation of dramatic works, and emphasizes the application of drama skills in other contexts and opportunities. Students will interpret and present works in a variety of dramatic forms, create and script original works, and critically analyse the processes involved in producing dramatic works. Students will develop a variety of skills related to collaboration and the presentation of dramatic works.

ADF3M - Director's Craft, Grade 11, University/College Preparation

In this challenging course, students learn to apply research and theory to theatre creation. Students are encouraged to make discoveries through experimentation, risk-taking and the presentation of ideas. Working both individually and collaboratively, students explore theory, dramatic literature and theatre conventions. This course requires students to attend live theatre performances to complement their reading and research.

Prerequisite: ADA20, Drama, Grade 10, Open

AMT4M - Musical Theatre, Grade 11/12, University/College Preparation

This course focuses on the application of knowledge and skills related to the creation, interpretation, and production of Musical Theatre involving drama, music, dance and visual art. Students will study, evaluate, create, produce and promote a pre-selected musical. Students will have an opportunity to engage in supplemental tasks designed to enrich their understanding and enjoyment of Musical Theatre and develop leadership skills within the class.

Performers are expected to commit to 10-12 hours of extra rehearsal per week. These rehearsals are scheduled for after school and on the weekends. Production students are expected to commit to extra rehearsals for the final 4 weeks of show rehearsal.

This course runs every other year and it will be offered again in the 2023-2024 school year.

English

ENG3C - English, Grade 11, College Preparation

This course emphasizes the development of literacy, critical thinking and communication skills. Students will study the content, form, and style of informational texts and literary works from Canada and other countries; write reports, correspondence, and persuasive essays; and analyze media forms, audiences, and media industry practices. An important focus will be on establishing appropriate voice and using business and technical language with precision and clarity.

Note: This course fulfils one of the compulsory English requirements.

Prerequisite: ENG2P, English, Grade 10, Applied

ENG3E - English, Grade 11, Workplace Preparation

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will study the content, form, and style of a variety of contemporary informational, graphic, and literary texts; and create oral, written, and media texts in a variety of forms for practical purposes. An important focus will be on using language clearly and accurately in a variety of formal and informal contexts. The course is intended to prepare students for the compulsory Grade 12 workplace preparation course.

Prerequisite: ENG2P, English, Grade 10, Applied

ENG3U - English, Grade 11, University Preparation

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze challenging literary texts from various periods, countries, and cultures, as well as a range of informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on using language with precision and clarity and incorporating stylistic devices appropriately and effectively. The course is intended to prepare students for the compulsory Grade 12 university or college preparation course.

Note: This course fulfils one of the compulsory English requirements.

Prerequisite: ENG2D, English, Grade 10, Academic

NBE3C – English: Understanding Contemporary First Nations, Metis, and Inuit Voices, Grade 11, College Preparation

This course explores the themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also looks at the perspectives and influences of texts that relate to those cultures. In order to understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will study the use of text forms by Indigenous authors/creators from other periods in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English college preparation course.

Prerequisite: English, Grade 10, Academic or Applied

NBE3U - English: Understanding Contemporary First Nations, Metis, and Inuit Voices, Grade 11, University Preparation

This course explores the themes, forms, and stylistic elements of a variety of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also examines the perspectives and influence of texts that relate to those cultures. In order to fully understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will analyse the changing use of text forms by Indigenous authors/creators from various periods and cultures in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English university or college preparation course.

Prerequisite: English, Grade 10, Academic

Family Studies

HFC3M - Food and Culture, Grade 11, University/College Preparation

This course focuses on the flavours, aromas, cooking techniques, foods, and cultural traditions of world cuisines. Students will explore the origins of, and developments in, diverse food traditions. They will demonstrate the ability to cook with ingredients and equipment from a variety of cultures, compare food-related etiquette in many countries and cultures, and explain how Canadian food choices and traditions have been influenced by other cultures. Students will develop practical skills and apply social science research methods while investigating foods and food practices from around the world.

HLS30 - Housing and Home Design, Grade 11, Open

This course introduces students to a range of issues related to housing and home design. Students will learn about the needs that housing fulfills; housing options; home maintenance and safety; and environmental, economic, legal, and social considerations related to housing. They will use the elements and principles of design to analyse design and decorating decisions. Students will develop research skills as they investigate issues related to housing and home design.

HNC3C - Understanding Fashion, Grade 11, College Preparation

This course introduces students to the world of fashion. Students will gain an understanding of theories related to fashion trends and of how culture, media, fashion cycles, retailing, and social and environmental factors influence fashion trends and consumer behaviour. Students will use various tools, technologies, and techniques safely and correctly to create fashion items. They will apply knowledge of fibres, fabrics, and the elements and principles of design when creating and assessing fashion-related products. Students will develop research skills as they investigate topics related to fashion.

Note: Recommended Preparation for HNB4M, the Fashion Industry, Grade 12, University/College Preparation. We spend approximately half the course learning to sew and knit. No experience with either is needed.

HPC30 - Raising Healthy Children, Grade 11, Open

This course focuses on the skills and knowledge parents, guardians, and caregivers need, with particular emphasis on maternal health, pregnancy, birth, and the early years of human development (birth to six years old). Through study and practical experience, students will learn how to meet the developmental needs of young children, communicate with them, and effectively guide their early behaviour. Students will develop their research skills through investigations related to caregiving and child rearing.

Note: This is the course where you get to care for electronic babies and play with real children a few times.

First Nations, Metis, and Inuit Studies

NDA3M - Contemporary First Nations, Metis, and Inuit Issues and Perspectives, Grade 11, University/College Preparation

This course explores existing and emerging issues of local, regional, and national importance to First Nations, Métis, and Inuit in Canada. Students will analyse diverse perspectives on issues and events related to land, community, governance, identity, culture, and global trends. Using the concepts of political thinking and the tools of political inquiry, students will explore their own and others' ideas and investigate issues to determine what needs to change and why. Students are also given the opportunity to develop their own problem-solving strategies to address an issue of their choice.

Prerequisite: NAC20, First Nations, Métis, and Inuit Peoples in Canada, Grade 10, Open, or CHC2D/CHC2P Canadian History since World War I, Grade 10, Academic or Applied.

Geography

CGF3M - Forces of Nature: Physical Processes and Disasters, Grade 11, University/College Preparation

In this course, students will explore physical processes related to the earth's water, land, and air. They will investigate how these processes shape the planet's natural characteristics and affect human systems, how they are involved in the creation of natural disasters, and how they influence the impacts of human disasters. Throughout the course, students will apply the concepts of geographic thinking and the geographic inquiry process and use spatial technologies to analyse these processes, make predictions related to natural disasters, and assess ways of responding to them.

Prerequisite: CGC1P/1D, Issues in Canadian Geography, Grade 9, Academic or Applied

CGG30 - Travel and Tourism: A Geographic Perspective, Open

This course focuses on issues related to travel and tourism within and between various regions of the world. Students will investigate unique environmental, sociocultural, economic, and political characteristics of selected world regions. They will explore travel patterns and trends, as well as tensions related to tourism, and will predict future tourism destinations. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate the impact of the travel industry on natural environments and human communities.

Prerequisite: CGC1P/1D, Issues in Canadian Geography, Grade 9, Academic or Applied

History

CHW3M - World History to the end of the Fifteenth Century (Ancient History), Grade 11, University/College Preparation

This course explores the history of various societies and civilizations around the world, from earliest times to around 1500 CE. Students will investigate a range of factors that contributed to the rise, success, and decline of various ancient and pre-modern societies throughout the world and will examine life in and the cultural and political legacy of these societies. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating social, political, and economic structures and historical forces at work in various societies and in different historical eras.

Prerequisite: CHC2D/2P, Canadian History since World War I, Grade 10, Academic or Applied

Social Science

HRT3M - World Religions and Belief Traditions: Perspectives, Issues and Challenges, Grade 11, University/College Preparation

This course provides students with opportunities to explore various world religions and belief traditions. Students will develop knowledge of the terms and concepts relevant to this area of study, will examine the ways in which religions and belief traditions meet various human needs, and will learn about the relationship between belief and action. They will examine sacred writings and teachings, consider how concepts of time and place influence different religions and belief traditions, and develop research and inquiry skills related to the study of human expressions of belief.

HSP3C - Introduction to Anthropology, Psychology, and Sociology, Grade 11, College Preparation

This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. They will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines.

HSP3U - Introduction to Anthropology, Psychology, and Sociology, Grade 11, University Preparation

This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science, and to become familiar with current thinking on a range of issues within the three disciplines.

Prerequisite: ENG2D, English, Grade 10, Academic, or CHC2D, Canadian History since World War I, Grade 10, Academic

Interdisciplinary Studies

MADE

MADE in Guelph is an innovative program for Grade 10, 11 and 12 students interested in a non-traditional immersive Arts experience.

The program provides students with the opportunities to interact with local, professional artists and develop individual and group creative skills.

ALL LEVELS OF ABILITY are welcome in the collaborative environment.

Students will explore Music, Art, Drama, and English in an integrated, non-traditional way, away from their home school at the Guelph Black Heritage Society's Heritage Hall (83 Essex Street). In this setting, students will experience authentic learning opportunities and use their new skills to host Arts events and performances for wider audiences.

MADE students will:

- Develop new skills through Artist-led workshops
- Plan, create, promote, and perform in student exhibitions and public performances
- Visit various Arts institutions
- Learn in a collaborative setting comprised of students from all Guelph-area high schools
- Attend professional exhibits such as productions, studio tours, and workshops
- Participate in immersive workshops for each arts discipline, led by experienced artists and arts educators.

CREDITS EARNED: (All courses will be taught from an interdisciplinary perspective)

Music - AMC 3M or AMC4M: Music for Creating, Grade 11/12 (University/College Preparation) Students will experience different approaches to musical creation and performance. They will participate in music appreciation, creation, and performance in non-traditional formats. Students will have the opportunity to learn from professional musicians in a variety of settings connected to the local music culture and scene.

Art - AWT 3M or AWT4M: Non-Traditional Media, Grade 11/12 (University/College Preparation) Students will create collaborative media productions. They will have the chance to participate in visual art appreciation, creation, and performance. Students will have the chance to learn from professional artists in a variety of settings that foster artistic success in the local community, the street, and galleries.

Drama - ADD3M or ADD4M: Drama Production, Grade 11/12 (University/College Preparation) In addition to skill development and small-scale projects, students will form a production company and assume the roles required off-stage as well as on. This will be done through the development of different productions and events for varying audiences.

English - ENG2D, ENG 3U/C or EWC4U/C: English / Writer's Craft (grade 12) Grade 10, 11, or 12 English (students will work toward one of these credits) Students will read and demonstrate an understanding of a varying set of written works. . Students will be asked to explore works deeply using a focus on thinking, analysis, and written/spoken communication. Students will be challenged to read and write for a variety of purposes with emphasis on creativity and clarity.

Prerequisites: Core English and Experience in one Arts area in either grade 9 or 10

How to Apply: Download and submit an application from [MADE Student Application 24/25](#) by FEBRUARY 22, 2024. Successful candidates will be notified in March 2024. Offered in the winter term of 2024-2025.

Course fee: \$250; however, no student will be denied this course due to financial reasons. See your Guidance Office for more information.

GPP30, Senior Leadership Course, Grade 11, Open or BOH4M, Senior Leadership Course, Grade 12, University/College Preparation

The Senior Leadership Course is a course in applied leadership techniques. Students will study the characteristics of effective leadership and will apply these concepts to leadership opportunities in the school and the community. Students earning the GPP30 credit will focus on developing interpersonal and intrapersonal skills. They will work on goal setting and communication skills. Students earning the BOH4M credit will focus on critically identifying the principles of effective leadership and how to utilize these principles in a practical way in managing successful businesses/endeavours. Students will analyse the role of a leader, with a focus on decision-making, management of group dynamics, motivating others and planning. **All students interested in taking this course are expected to complete an interview process.** Successful applicants may be required to work in conjunction with Student Senate for the duration of the course. Contact: Mr. Gouthro

NOTE: Students may take both streams of this course, but it is strongly recommended that students take GPP30 before taking BOH4M.

Languages

FSF3U - Core French, Grade 11, University Preparation

This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their listening, speaking, reading, and writing skills, as well as their creative and critical thinking skills, through responding to and exploring a variety of oral and written texts. They will also broaden their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Prerequisite: FSF2D, Core French, Grade 10, Academic

LWGCU - German, Grade 11, University Preparation

This course provides opportunities for students to increase their competence and confidence in listening, speaking, reading, and writing in German. Students will communicate about academics and personally relevant topics in increasingly spontaneous spoken interactions, and will develop their creative and critical thinking skills through exploring and responding to a variety of oral and written texts. Students will continue to enrich their understanding and appreciation of diverse German speaking communities. They will also investigate personal and professional

contexts in which knowledge of German is required, and develop skills necessary for lifelong language learning.
Prerequisite: LWGBD, German, Grade 10, Academic

LWSCU - Spanish, Grade 11, University Preparation

This course provides opportunities for students to increase their competence and confidence in listening, speaking, reading, and writing in Spanish. Students will communicate about academic and personally relevant topics in increasingly spontaneous spoken interactions, and will develop their creative and critical thinking skills through exploring and responding to a variety of oral and written texts. Students will continue to enrich their understanding and appreciation of diverse Spanish speaking communities. They will also investigate personal and professional contexts in which knowledge of Spanish is required, and develop skills necessary for lifelong language learning.
Prerequisite: LWSBD, Spanish, Grade 10, Academic

Math

MBF3C - Foundations for College Mathematics, Grade 11, College Preparation

This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; and develop their ability to reason by collecting, analyzing, and evaluating data involving one and two variables. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
Prerequisite: MFM2P, Math, Grade 10, Applied

MCF3M - Functions and Applications, Grade 11, University/College Preparation

This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modeling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to financial and trigonometric applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems.
Prerequisite: MPM2D, Math, Grade 10, Academic or MFM2P, Math, Grade 10, Applied

MCR3U - Functions, Grade 11, University Preparation

This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; and develop facility in simplifying polynomial and rational expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.
Prerequisite: MPM2D, Math, Grade 10, Academic

MEL3E - Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
Prerequisite: Successful completion of a Grade 9 or 10 math course

Music

AMG30 - Introductory Guitar, Grade 11, Open

This course develops students' musical literacy through performance and the preparation and presentation of music productions. Students will perform works at a level consistent with previous experience. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, present, and market musical productions. Students will respond to, reflect on, and analyse music from various genres and periods, and they will develop skills transferable to other aspects of their life and their careers.

Prerequisite: Students with previous guitar experience who read musical notation should audition for AMG4M to determine appropriate course placement.

AMI3M - Instrumental Music, Grade 11, University/College Preparation

This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analysing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers.

Prerequisite: AMI2O, Music – Instrumental, Grade 10, Open - Experienced

AMV3M - Vocal Music, Grade 11, University/College Preparation

This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analysing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers.

Prerequisite: AMV2O, Music – Vocal, Grade 10, Open

Physical Education

PAD30 - Outdoor Education, Grade 11, Open

This co-educational course offers students participation in a variety of outdoor activities that will engage students at many levels. The course will increase the students' environmental awareness and enhance their leadership abilities. Students will also study a unit on environmental awareness and sustainability. Experiences will include challenges such as a multi-day wilderness trip to Algonquin Park or Tobermory, a biking unit exploring local trails in/and around Guelph Lake, downhill skiing and snowboarding, hiking, winter sports, and many other outdoor adventures. Furthermore, hands-on tasks, such as paddle design and geocaching, will empower students to learn through experience and exploration, thus establishing a connection with our Canadian outdoor culture.

Note: Voluntary Enrichment Experience Fee: TBA for various trips and outdoor experiences.

*Please note this course will run every other year; next available in the **2024-25** school year (alternating years to the PAD40)

PAF30 - Personal and Fitness Activities, Grade 11, Open

This co-educational course helps students develop a personalized approach to healthy living. There will be emphasis on creating fitness programs that explore various training methods and equipment. Students will examine the factors that affect their own health and the health of individuals as members of the community. They will learn about the importance of healthy eating, living an active lifestyle and developing a positive self-image. Throughout this course, students will develop the skills necessary to take charge of and improve their own health, as well as to encourage others to lead healthy lives. Students spend equal time in the classroom and engage in physical activity as they develop their own healthy active living plans and focus on personal training and individual fitness. Finally, students will learn and explore the various career opportunities in the health and fitness industry.

Note: A voluntary enrichment experience fee will apply for various fitness experiences (TNT Boxing – World Gym, Boom Fitness).

PAF30X - Personal and Fitness Activities – Female, Grade 11, Open

This is a female only course that is geared towards helping young women learn and develop healthy active lifestyles. Instruction will focus on female interests and physiology. There will be an emphasis on creating fitness programs that explore various training methods and equipment. Students will examine the factors that affect their own health and the health of individuals as members of the community. They will learn about the importance of healthy eating, living an active lifestyle, and developing a positive self-image. Throughout this course, students will develop the skills necessary to take charge of and improve their own health, as well as to encourage others to lead healthy lives. Students spend equal time in the classroom and engaging in physical activity as they develop their own healthy active living plans and focus on personal training and personal fitness. Finally, students will learn and explore the various career opportunities in the health and fitness industry.

Note: Voluntary enrichment experience fee: \$80 for various fitness experiences (Zumba, Downdawg yoga, hot yoga, Boom Fitness, TNT boxing, belly dancing, personal trainers)

PAI30 – Individual and Small Group Activities, Grade 11, Open

This course is an introduction to sport specific training and career pathways in Athletics. Students will receive an opportunity to consult and plan sport specific training methodologies with local coaches and trainers. Students will be afforded the opportunity to follow these training regimes in order to enhance their personal sport specific athletic abilities. Through this they will have a clear understanding of the expectations to compete in athletics at a post secondary level. Students will be introduced to the various Athletic career pathways offered within the community and be granted an opportunity to complete their initial NCCP qualifications, First Aid and Concussion Protocol certifications.

Note: Application and teacher approval is required for this course

PAL30 - Healthy Active Living, Grade 11, Open

This co-educational course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively

Note: A voluntary enrichment experience fee may apply depending on the student's choices.

Science

SBI3C - Biology, Grade 11, College Preparation

This course focuses on the processes involved in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, animal anatomy and physiology, plant structure and physiology, and environmental science. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields.

Prerequisite: SNC2D, Science, Grade 10, Academic or SNC2P, Science, Grade 10, Applied

SBI3U - Biology, Grade 11, University Preparation

This course furthers students' understanding of the processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biodiversity; evolution; genetic processes; the structure and function of animals; and the anatomy, growth, and function of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation.

The course is a prerequisite for: SBI4U, Science – Biology, Grade 12, University Preparation

Prerequisite: SNC2D, Science, Grade 10, Academic

SCH3U - Chemistry, Grade 11, University Preparation

This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment.

This course is a prerequisite for: SCH4U, Science – Chemistry, Grade 12, University Preparation

Prerequisite: SNC2D, Science, Grade 10, Academic

Recommended Preparation: MPM2D, Math, Grade 10, Academic

SPH3U - Physics, Grade 11, University Preparation

This course develops students' understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.

This course is a prerequisite for: SPH4U, Science-Physics, Grade 12, University Preparation

Prerequisite: SNC2D, Science, Grade 10, Academic

Recommended Preparation: MPM2D, Math, Grade 10, Academic

SVN3M - Environmental Science, Grade 11, University/College Preparation

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in life after secondary school. Students will explore a range of topics, including the role of science in addressing contemporary environmental challenges; the impact of the environment on human health; sustainable agriculture and forestry; the reduction and management of waste; and the conservation of energy. Students will increase their scientific and environmental literacy and examine the interrelationships between science, the environment, and society in a variety of areas.

Prerequisite: SNC2P, Science, Grade 10, Applied or SNC2D, Science, Grade 10, Academic

SVN3E - Environmental Science, Grade 11, Workplace Preparation

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in work and life after secondary school. Students will explore a range of topics, including the impact of human activities on the environment; human health and the environment; energy conservation; resource science and management; and safety and environmental responsibility in the workplace. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students' literacy and mathematical literacy skills as well as the development of their scientific and environmental literacy.

Prerequisite: This course is open to Grade 11 or 12 students who have completed any Grade 9 or 10 Applied or Essential level Science course.

Technology

TCJ3C - 1 credit TCJ3C and TCJ3C2 - 2 credits / 2 semesters - Construction Technology (Carpentry), Grade 11, College Preparation

This course focuses on the development of knowledge and skills related to residential construction. Students will gain hands on experience using a variety of construction materials, processes, tools, and equipment; learn about building design and planning construction projects; create and interpret working drawings and sections; and learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore career opportunities in the field.

Note: This course is available to be taken for a ONE or TWO credit option. If you are taking the two credits, be sure to select TCJ3C and TCJ3C2.

Recommended Preparation: TCJ2O, Construction Technology (Woodworking), Grade 10, Open

TDJ3M - 1 credit TDJ3M and TDJ3M2 - 2 credits / 2 semesters Technological Design (Architectural/Engineering Design), Grade 11, University/College Preparation

This course examines how technological design is influenced by human, environmental, financial, and material requirements and resources. Students will research, design, build, and assess solutions that meet specific human needs, using working drawings and other communication methods to present their design ideas. They will develop an awareness of environmental, societal, and cultural issues related to technological design, and will explore career opportunities in the field, as well as the college and/or university program requirements for them.

Note: This course is available to be taken for a ONE or TWO credit option. If you are taking the two credits, be sure to select TDJ3M and TDJ3M2.

Recommended Preparation: TDJ2O, Technological Design, Grade 10, Open

TDJ30 - Technological Design and the Environment, Grade 11, Open

This course enables students to apply a systematic process for researching, designing, building, and assessing solutions to address specific human and environmental challenges. Through their work on various projects, students will explore broad themes that may include aspects of industrial design, mechanical design, architectural design, control system design, and/or apparel design. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary pathways leading to careers in the field.

Note: Students will improve their knowledge and skills in the use of AutoCAD and other computer aided design tools.

TEJ3E - 1 credit TEJ3E and TEJ3E2 - 2 credits / 2 semesters - Computer Technology, Grade 11, College/Workplace Preparation

This course enables students to develop knowledge and skills related to computer hardware, networks, operating systems, and other software. Students will use utility and application software and learn proper procedures for installing, maintaining, and troubleshooting computer systems and networks. Students will develop an awareness of environmental and societal issues related to the use of computers, and will learn about apprenticeships and other employment opportunities in the field of computer technology that they may choose to pursue after graduation.

Note: This course is available to be taken as a ONE or TWO credit option. If you are taking the two credits, be sure to select TEJ3E and TEJ3E2.

TEJ3M - 1 credit TEJ3M and TEJ3M2 - 2 credits / 2 semesters - Computer Engineering, Grade 11, University/ College Preparation

This course examines computer systems and control of external devices. Students will assemble computers and small networks by installing and configuring appropriate hardware and software. Students will develop knowledge and skills in electronics, robotics, programming, and networks, and will build systems that use computer programs and interfaces to control and/or respond to external devices. Students will develop an awareness of environmental and societal issues related to the use of computers, and will learn about college and university programs leading to careers in computer engineering.

Note: This course is available to be taken as a ONE or TWO credit option. If you are taking the two credits, be sure to select TEJ3M and TEJ3M2.

TFJ3E/3C - Hospitality and Tourism, Grade 11, College/Workplace Preparation

This course enables students to acquire knowledge and skills related to the food and beverage services sector of the tourism industry. Students will learn how to prepare, present, and serve food using a variety of tools and equipment and will develop an understanding of the fundamentals of providing high quality service to ensure customer satisfaction and the components of running a successful event or activity. Students will develop an awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector.

TGG3M - Journalism and Design: Yearbook, Grade 11, University/College Preparation

This is a FULL-YEAR course. Using the school yearbook as our touchstone project, students will learn the basic skills of working as a journalist and designer. Students will learn to apply photojournalism skills and ethics, along with layout and design elements in order to create a final publicly published work. Students will investigate news sources and develop a sense of news judgment while working individually and within a larger team to meet a major, real-world deadline of delivering a product to every student in the school.

Note: Students are recommended and then selected for this course. Applications are due the year prior to being on staff. See Mr. Osterberg or Guidance for more information.

TGJ3M - 1 credit TGJ3M and TGJ3M2 - 2 credits / 2 semesters - Communications Technology, Grade 11, University/College Preparation

This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communications technology fields.

Note: This course is available to be taken for ONE or TWO credits. If you are taking the two credits, be sure to select TGJ3M and TGJ3M2.

A voluntary enhanced programming fee of \$10.00 is recommended.

Recommended Preparation: TGJ2O, Communications Technology, Grade 10, Open

TGP3M - Communications Technology: Photography and Digital Imaging, Grade 11, University/College Preparation

This course provides an emphasis on Photography and Digital Imaging. Students will develop knowledge and skills as they design and produce media projects in the areas of digital and graphic communications. These areas may include, video, and movie production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communications technology fields. You will be required to purchase an 8 gigabyte Secure Digital card. Access to a digital SLR camera is a benefit although not a course necessity.

Recommended Preparation: TGJ2O, Communications Technology, Grade 10, Open, or AVI3M, Visual Arts, Grade 11, University/College Preparation

THJ3E - Green Industries, Grade 11, Workplace Preparation

This course enables students to develop knowledge and skills related to agriculture, floristry, forestry, horticulture, and landscaping. Students will learn to identify a broad range of plant and animal species; examine factors that affect the growth of plants and animals and the quality of products derived from them; and develop process, design, and maintenance skills required in the green industries. Students will also learn about safe and healthy working practices, develop an awareness of environmental and societal issues related to green industry activities, and learn about apprenticeships and other postsecondary education and training opportunities, as well as employment opportunities that may be pursued directly after graduation.

Note: Students must be able to work independently.

Location: GCVI and surrounding community as required

THJ3M - Green Industries, Grade 11, University/College Preparation

This course enables students to develop knowledge and skills related to agriculture, forestry, horticulture, and landscaping. Students will study the identification, growth, and management of plants and animals and develop process, design, and management skills required in the green industries. Students will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and will explore postsecondary education programs and career opportunities.

Note: Students must be able to work independently.

Location: GCVI and surrounding community as required

TMJ3C - 1 credit TMJ3C and TMJ3C2 - 2 credits / 2 semesters - Manufacturing Engineering Technology (Metal Working), Grade 11, College Preparation

This course enables students to develop knowledge and skills through hands-on, project-based learning. Students will acquire design, fabrication, and problem-solving skills while using tools and equipment such as lathes, mills, welders, computer-aided machines, programming and control systems. Students may have opportunities to obtain industry-standard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about pathways leading to careers in the industry.

Note: This course is available to be taken for ONE or TWO credits. If you are taking the two credits, be sure to select the TMJ3C and TCJ3C2 code on your option sheet.

Recommended Preparation: TMJ2O, Manufacturing, Grade 10, Open

TMJ3M - Manufacturing Engineering Technology, Grade 11, University/College Preparation

This course enables students to develop knowledge and skills related to design, process planning, control systems, and quality assurance. Students will use a broad range of tools and equipment and will combine modern manufacturing techniques and processes with computer-aided manufacturing as they develop critical decision-making, problem-solving, and project-management skills. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about pathways leading to careers in the industry.

TTJ3C - 1 credit TTJ3C and TTJ3C2 - 2 credits / 2 semesters

TTJ3CX Female only - Transportation Technology (Automotive), Grade 11, College Preparation

This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation and will learn about apprenticeship and college programs leading to careers in the transportation industry.

Note: This course is available to be taken for ONE or TWO credits. If you are taking the two credits, be sure to select the TTJ3C and TTJ3C2 code on your option sheet. Select TTJ3CX for the Female only version.

Recommended Preparation: TTJ20, Transportation Technology, Grade 10, Open

TWJ3E - 1 credit TWJ3E and TWJ3E2 - 2 credits / 2 semesters - Custom Woodworking (Furniture), Grade 11, Workplace Preparation

This course enables students to develop knowledge and skills related to cabinet making and furniture making. Students will gain practical experience using a variety of the materials, tools, equipment, and joinery techniques associated with custom woodworking. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. They will also develop an awareness of environmental and societal issues related to the woodworking industry, and explore apprenticeships, postsecondary training, and career opportunities in the field that may be pursued directly after graduation.

Note: This course is available to be taken for ONE or TWO credits. If you are taking the two credits select both the TWJ3E and TWJ3E2 code on your option sheet.

TXJ3E - Hairstyling and Aesthetics, Grade 11, Workplace Preparation

This course enables students to develop knowledge and skills in cosmetology and offers a variety of applications that will equip students to provide services for a diverse clientele. Students will identify trends in the hairstyling and aesthetics industry, learn about related health and safety laws, and expand their communication and interpersonal skills through interactions with peers and clients. Students will also consider environmental and societal issues related to the industry, and will acquire a more detailed knowledge of apprenticeships and direct-entry work positions.

Prerequisite: None