BUSINESS AND TECHNOLOGY GRADE 12 COURSE DESCRIPTIONS

BUSINESS

Financial Accounting Principles
Grade 12, University/College Preparation   **BAT4M**
This course introduces students to advanced accounting principles that will prepare them for postsecondary studies in business. Students will learn about financial statements for various forms of business ownership and how those statements are interpreted in making business decisions. This course expands students' knowledge of sources of financing, further develops accounting methods for assets, and introduces accounting for partnerships and corporations.
Prerequisite: Financial Accounting Fundamentals, Grade 11, University/College Preparation

Building Financial Security
Grade 12, University Preparation   **IDC4UB**
This course investigates financial management, capital markets, and ways in which capital is acquired. Students will use diverse information skills, resources, and technologies to gather information related to a variety of Canadian and international financial institutions, investigate the conceptual and mathematical foundations of increasing net worth, and examine investment in the stock market (e.g., the risks and safeguards in stock trading, stocks as investments, creating investment portfolios). They will also analyze the social impact of personal and corporate investment decisions and will learn to solve problems through theoretical investigation, systems thinking approaches, and case studies.
Prerequisite: Any Senior level U or M course

TECHNOLOGY

Communications Technology
Grade 12, University/College Preparation   **TGJ4M**
This course examines communications systems and design and production processes in the areas of electronic, live, recorded, and graphic communications. Students will create, manage, and distribute complex electronic, graphic, recorded, or audio-visual projects independently and in project teams. Students will also study industry standards and regulations and health and safety issues, and will explore careers, the importance of lifelong learning, and the impact of communications technology on society and the environment.
Note: Students will have the opportunity to produce short videos and enter student video contests.
Prerequisite: None

Construction Technology
Grade 12, Workplace Preparation   TCJ4E
This course focuses on advanced residential and more complex construction systems, as well as the introduction of heavy construction, related to commercial, industrial, and/or residential construction; advanced practical workplace applications; and the development of generic employment skills and independent learning skills. Students will examine the materials, processes, labour, tools, and equipment used in the construction industry; technical drawings; auxiliary systems; and landscaping. They will also study industry standards and building codes; consider health and safety issues; and explore careers, lifelong learning opportunities, and the impact of construction technology on society and the environment.
Prerequisite: Construction Technology, Grade 11, Workplace Preparation

Technological Design
Grade 12, University/College Preparation   TDJ4M
This course provides students with opportunities to solve problems in design through the use of technical drawings, model building, testing, and marketing. Students will research, design, and test solutions for residential or commercial architecture, industrial engineering, and manufacturing. They will also examine the educational requirements of a technical design–related career in engineering, architecture, or industrial design.
Prerequisite: Technological Design, Grade 11, University/College Preparation

Hospitality and Tourism
Grade 12, Workplace   TFJ4E
This course enables students to further develop knowledge and skills related to the food and beverage services sector of the tourism industry. Students will demonstrate proficiency in using food preparation and presentation tools and equipment; plan nutritious menus, create recipes, and prepare and present finished food products; develop customer service skills; and explore event and activity planning. Students will expand their awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector.
Prerequisite: Hospitality and Tourism, Grade 11, Workplace Preparation

Transportation Technology
Grade 12, College Preparation   TTJ4C
This course examines alternative modes of mass transit to enable students to develop the specialized knowledge and skills required to work with sophisticated land, air, and/or marine vehicles and transportation systems. Students will solve problems related to vehicles and transportation systems; examine transportation-related issues such as energy conversion, power transfer, control systems, and environmental and societal impact; and investigate the educational requirements of career opportunities in the transportation sector.
Prerequisite: Transportation Technology, Grade 11, College Preparation

Computer Science (in- school or e-Learning)
Grade 12   **ICS4UE**
This course enables students to further develop knowledge and skills in computer science. Students will use modular design principles to create complex and fully documented programs, according to industry standards. Student teams will manage a large software development project, from project planning to project review. Students will also analyze algorithms for effectiveness. They will investigate ethical issues in computing and further explore environmental issues, emerging technologies, areas of research in computer science, and careers in the field.
Prerequisite: Introduction to Computer Science, Grade 11, University Preparation or Introduction to Computer Science, Grade 11, e-Learning Course Note: This is sometimes an online course. See Guidance for more information.