

Course #	Course Title	Course Specific Minimum Requirements
CMPT 105W D100	Soc. Issues & Cmns. Strategies	<p>These courses are Technical English Writing courses and TAs will be expected to do the following:</p> <ul style="list-style-type: none"> • Mark tests and written assignments for grammar, punctuation, sentences structure, etc • Assess essays for style, word choice, evidence and logic, audience expectation, as well as voice and tone • Assess paraphrasing, summarizing and quotations • Assist students to think critically, as well as apply rhetorical patterns to the appropriate situation • Understand the fundamental of informative and persuasive communication • Attend course meetings and respond to emails and messages in a timely manner • Attend lectures and tutorials (when requested by the instructor) • Communicate with the instructor with regards to student issues, etc. allowing the instructor to respond in a timely manner • Enter grades into Canvas (Speedgrader and Gradebook) • Hold office hours (when requested by the instructor) and communicate with students about their assignments and grades • Monitor online discussion forums • Meet assignment and exam marking deadlines. Student assignments are accumulative, meaning they require feedback in order to write/complete their next assignment. For example, students are required to write an outline, draft and a final for their essay assignment • Utilize time management skills as marking deadlines for the major assignments and exams can be close • Use assigned marking/grading rubrics and provide sufficient written feedback • Proctor tests and final exam (when requested by instructor) and report any suspected academic integrity issues to the course instructor • Familiar with the course materials and assignments and have experience with Canvas
CMPT 120 D100	Intro.Cmpt.Sci/ Programming I	

CMPT 225 D100	Data Structures/ Programming	<ul style="list-style-type: none"> • Experience with programming in C++, including object oriented programming • Know all ADTs and data structures mentioned in the Course Outline, including AVL trees and B-Trees • Should have completed a course in analysis of algorithms (such as CMPT 705, 307, or equivalent) • Comfortable with the Linux command line • Great programming skills
CMPT 276 D100	Intro Software Engineering	<ul style="list-style-type: none"> • Practical and theoretical knowledge of different stages of software development, namely, requirements, design, construction, testing, refactoring, debugging, etc • Java, JUnit, Git, Maven • Good communication skills, proactive, and eager to assist students • Should have completed introductory courses to Computer Systems and Operating Systems (such as CMPT 295, 300, or equivalent)
CMPT 295 D100 & D200	Intro. to Computer Systems	<ul style="list-style-type: none"> • Previous experience with RISC-V, MIPS or any CISC (x86-64)

CMPT 318 D100	Special Topics Cmpt. Science	<ul style="list-style-type: none"> • Cyber intelligence and threat analysis • Situational awareness, anomaly detection, scoring methods • Discrete Markov process modelling • Time series analysis and forecasting with Hidden Markov models • Familiarity with statistical inference and machine learning • R language and software environment for statistical computing • Programming in Python with applications in stochastic modelling • Cybersecurity risk assessment and management • Foundations of blockchain technology
CMPT 340 BLS1	Biomedical Computing	<ul style="list-style-type: none"> • Analog and digital signals (digitization, sampling, quantization) • Linear systems (impulse response, convolution, Fourier transform, time/space-frequency, duality) • Time- and frequency-domain signal filtering • Multi-variate statistics (histogram, correlation, covariance matrix, PCA) • Vector/matrix algebra (vectors, matrices, eigen-decomposition) • 1D, 2D, 3D, point clouds, and graphs/networks • Terminology of biosignals/bioimages (ECG, MRI, microscopy) • Probabilities (probability distributions, Bayes' theorem) • Classification (thresholding, ROC, AUC, ANN/CNN, Fisher LDA,) • MATLAB
CMPT 353 D100	Computational Data Science	<ul style="list-style-type: none"> • Working knowledge of Python data manipulation tools: NumPy, Pandas • Basic concepts of inferential statistics and machine learning • Strong experience with Spark; experience analyzing with scientific data sets
CMPT 354 D100	Database Systems I	<ul style="list-style-type: none"> • Knowledge of the relational model and the entity/relationship (E/R) model • Knowledge of relational algebra and calculus • Working knowledge and good programming skills with SQL • Experience with MS SQL Server is an asset • Knowledge of relational design theory, in particular normalization • Knowledge of other topics in the course outline, such as transactions, constraints and triggers, indexes, database applications development
CMPT 361 D100	Intro to Visual Computing	<ul style="list-style-type: none"> • Background in image processing and computer vision • Experience in MATLAB <p>OR</p> <ul style="list-style-type: none"> • Experience with OpenGL and WebGL programming • Completed Computer Graphics courses before

CMPT 363 D100	User Interface Dsgn	<ul style="list-style-type: none"> • Preference will be given to students who have demonstrated good standing in User Interface Design, Graphics, HCI, Visualization, Vision, and Multimedia (such as CMPT 363, 888, 985, or equivalent course at the undergraduate or graduate HCI level) • Hands-on experience in applying principles of human-computer interaction, user-centered design, usability engineering, and/or interaction design • Must have a research and/industry portfolio that demonstrates user interface designs and/ or results from user studies • Must have familiarity with modern UI prototyping tools, such as Balsamiq and Figma
CMPT 365 D100	Multimedia Systems	<ul style="list-style-type: none"> • Good understanding of multimedia systems design, especially knowledge of some multimedia library in both C++ and in Java (examples include open file dialog, create canvas, plot pixels/lines, read and display audio/image files) • Working knowledge of multimedia hardware and software • Good understanding of representing, compressing, processing and transmitting multimedia data such as sound, image and video (examples include FLAC, JPEG, MPEG, H.264/265)

<p>CMPT 376W D100</p>	<p>Prof. Resp. & Tech. Writing</p>	<p>This course is a Technical English Writing course covering ethics, writing and oral communication across computing research, startup and industrial software development contexts.</p> <p>TAs will be expected to do the following:</p> <ul style="list-style-type: none"> • Mark tests and written assignments for grammar, punctuation, sentence structure, etc • Mark oral presentations and videos • Assess papers for style, word choice, evidence and logic, audience expectation, as well as voice and tone • Assess paraphrasing, summarizing and quotations • Assist students to think critically, as well as apply rhetorical patterns to the appropriate situation • Understand the fundamental of informative and persuasive communication • Attend course meetings and respond to emails and messages in a timely manner • Attend lectures and tutorials (when requested by the instructor) • Communicate with the instructor with regards to student issues, etc. allowing the instructor to respond in a timely manner • Enter grades into Canvas and/or TurnItIn (Speedgrader and Gradebook) • Hold office hours (when requested by the instructor) and communicate with students about their assignments and grades • Monitor online discussion forums • Meet assignment marking deadlines • Utilize time management skills as marking deadlines for the major assignments and exams are close • Use assigned marking/grading rubrics and provide sufficient written feedback • Proctor tests and final exam (when requested by instructor) and Report any suspected academic integrity issues to the course instructor *****KEEP READING***** <p>REQUIREMENTS:</p> <ul style="list-style-type: none"> • Excellent command of spoken and written English • Experience in writing and critiquing research papers <p>RECOMMENDED:</p> <ul style="list-style-type: none"> • Experience in industry or a degree in the humanities or business • Familiarity with the course materials and Canvas
<p>CMPT 383 D100</p>	<p>Programming Langs.</p>	<ul style="list-style-type: none"> • Good understanding of a variety of programming languages • Experience with Haskell and functional programming • Some familiarity with operational semantics • Some familiarity with type theory • Some familiarity with lambda calculus • Good programming skills • Good communication skills; happy to assist students
<p>CMPT 384 D100</p>	<p>Symbolic Computing</p>	<ul style="list-style-type: none"> • Experience with functional programming in languages such as Haskell, ML or Lisp

CMPT 400 D100	3D Computer Vision	<ul style="list-style-type: none"> • Proficiency and thorough knowledge of 3D visualization (opengl, directx) • Proficiency and thorough knowledge of non-linear numerical optimization (quasi newton methods) • Proficiency and thorough knowledge of 3D representations (polygonal meshes and implicit representations) • Proficiency and thorough knowledge of artificial intelligence (pytorch and differentiable optimization) • Proficiency and thorough knowledge of differential geometry
CMPT 404 D100	Cryptography and Protocols	<ul style="list-style-type: none"> • Solid background in discrete mathematics • Knowledge of algorithms and complexity • Background in cryptography, have to complete a cryptography course • Knowledge of probability • Some experience in programming, especially for remote access
CMPT 405 D100	Cmpt. Algorithms	<ul style="list-style-type: none"> • Solid background in algorithm design and analysis • Good knowledge of classical algorithms and standard algorithmic paradigms such as greedy, divided and conquer, dynamic programming, network flow, linear programming • Good knowledge of NP-completeness, polynomial-time reductions, approximation and randomized algorithms • Should have completed a Design and Analysis of Computing Algorithms course (such as CMPT 405, 705 or equivalent)
CMPT 409 D100	Spec.Topics/ Theoretical Cmpt	<ul style="list-style-type: none"> • Knowledge of computability and logic • Should have completed a computability and logic course (such as CMPT 701 or equivalent) • Strong background in mathematical logic
CMPT 410 D100	Machine Learning	<ul style="list-style-type: none"> • Strong background in linear algebra and probability • Familiarity with NumPy and PyTorch • Should have completed a machine learning course (such as 726 or equivalent) • Stable internet connection for remote instruction of tutorials
CMPT 413 D100	Computational Linguistics	<ul style="list-style-type: none"> • Strong background in machine learning and deep learning • Knowledgeable about NLP concepts and models (word embeddings, language models, seq2seq models, parsing). Preferably have completed a NLP course (such as CMPT 413/713 or equivalent) • Proficiency with Python and Pytorch programming. Experience with Huggingface transformers library is a plus • Experience with modern NLP datasets like GLUE, WMT, SQUaD, CoNLL • Experience with large language models like BERT, GPT, Llama • Good communication skills, proactive, and eager to assist students
CMPT 419 BLS1	Spec.Topics/ Artificial Intell.	<ul style="list-style-type: none"> • Experience with machine learning, especially with dynamic and/or multimodal signal processing (eg. video, sound, sensors) • Experience in image processing (Fourier transform, convolution, intensity and spatial transformations), computer vision (segmentation, registration), and MATLAB
CMPT 419 D100	Spec.Topics/ Artificial Intell.	<ul style="list-style-type: none"> • Experience with machine learning, especially with dynamic and/or multimodal signal processing (eg. video, sound, sensors).

CMPT 419 D200	Spec.Topics/ Artificial Intell.	<ul style="list-style-type: none"> • Should have completed an AI, machine learning, or data science course (such as CMPT 353, 412, 419, or equivalent) • Should have completed an HCI course (such as CMPT 263 or equivalent) or a fair/responsible AI course
CMPT 419 D300	Spec.Topics/ Artificial Intell.	<ul style="list-style-type: none"> • Should have completed a machine learning course (such as CMPT 410/726 or equivalent) • Should have completed advanced deep learning-related courses (such as CMPT 361, 413, 420 or equivalent) • Hands-on experience with deep learning and good familiarity with PyTorch programming • Experience in reading, writing, and reviewing research papers
CMPT 420 D100	Deep Learning	<ul style="list-style-type: none"> • Should have completed a graduate machine learning course (such as CMPT 726 or equivalent) • Needs to know a programming framework for deep learning (e.g. Pytorch, Keras, tensorflow) • Experience with using deep learning in a project, could be course project or even better their own research
CMPT 431 D100	Distributed Systems	<ul style="list-style-type: none"> • Should have completed a course in operating systems (such as CMPT 300) and distributed systems and/or parallel computing (such as CMPT 431) or equivalents • Must be proficient with at least two of the following: C++11 threads, POSIX threads, CilkPlus, OpenMP, MPI • Must be proficient with modern C++ programming (threads, processes, atomics, ...) and Linux problem solving (command line, packages, configuration, ...) • Experience with scalable parallel software development is highly desirable • Experience with Distributed Computing Systems (such as CMPT 479 Prof. Vora's offering or equivalent) is highly desirable
CMPT 454 D100	Database Systems II	<ul style="list-style-type: none"> • Must have working knowledge of the contents covered by CMPT 300/201, CMPT 354, and CMPT 454 (or equivalent of the three courses) • Deep understanding and working knowledge of core relational database systems topics, including transaction processing, storage systems, query execution and optimization, volatile and persistent index structures • Must have extensive experience and be proficient with parallel programming in C++11 or newer C++ standards • Must be proficient in using debugging (GDB, Valgrind), performance evaluation (perf, gperftools) and modern build systems (CMake) • Previous hands-on C++ experience in implementing core database engine components: index structures, locking protocols, durability/recovery mechanisms, storage functionality
CMPT 459 D100	Special Topics Database Syst	<ul style="list-style-type: none"> • Must have working knowledge on core database systems topics, including the internals of database engines, query executors, query optimizers, and concurrent index structures (e.g., B+-trees, hash tables) • Must have experience in core database systems research (e.g., transaction processing, query optimization, query compilation, database storage systems, cloud-native database systems) • Preferably with experience of publishing papers in SIGMOD/VLDB/ICDE/CIDR on database engine topics • Should have completed an Operating Systems course (such as CMPT 300 or equivalent) and a Database Systems course (such as CMPT 454 or equivalent) • Must be familiar with modern C++ programming, debugging, and performance analysis using tools like GCC, GDB, Clang, perf

CMPT 705 G100	Design/Analysis Algorithms	<ul style="list-style-type: none"> • Solid background in algorithm design and analysis • Good knowledge of classical algorithms and standard algorithmic paradigms such as greedy, divided and conquer, dynamic programming, network flow, linear programming • Good knowledge of NP-completeness, polynomial-time reductions, approximation and randomized algorithms • Should have completed a Design and Analysis of Computing Algorithms course (such as CMPT 405, 705 or equivalent)
CMPT 713 G100	NLP	<ul style="list-style-type: none"> • Strong background in machine learning and deep learning • Knowledgeable about NLP concepts and models (word embeddings, language models, seq2seq models, parsing). Preferably have completed a NLP course (such as CMPT 413/713 or equivalent) • Proficiency with Python and Pytorch programming. Experience with Huggingface transformers library is a plus • Experience with modern NLP datasets like GLUE, WMT, SQUaD, CoNLL • Experience with large language models like BERT, GPT, Llama • Good communication skills, proactive, and eager to assist students
CMPT 722 G100	Rendering & VC for AI	<ul style="list-style-type: none"> • Should have completed a visual computing course (such as CMPT 469/722 or equivalent) • Strong background in computer graphics, 3D computer vision, and machine learning
CMPT 724 G100	Affective Computing	<ul style="list-style-type: none"> • experience with machine learning, especially with dynamic and/or multimodal signal processing (eg. video, sound, sensors).
CMPT 726 G100	Machine Learning	<ul style="list-style-type: none"> • Strong background in linear algebra and probability • Familiarity with NumPy and PyTorch • Should have completed a machine learning course (such as 726 or equivalent) • Stable internet connection for remote instruction of tutorials
CMPT 728 G100	Deep Learning	<ul style="list-style-type: none"> • Should have completed a graduate machine learning course (such as CMPT 726 or equivalent) • Needs to know a programming framework for deep learning (e.g. Pytorch, Keras, tensorflow) • Experience with using deep learning in a project, could be course project or even better their own research
CMPT 733 G100	Big Data Lab II	<ul style="list-style-type: none"> • Knowledge in OS memory safety and execution semantics • Programming languages: C/C++ and Python. Assembly/Shellcode is a plus • Working knowledge and experience with Linux and shell programming • Should have completed an Operating Systems course (such as CMPT 300 or equivalent) a Cryptography and Cryptographic Protocols course (such as CMPT 404 or equivalent) and a Networking course (such as CMPT 471 or equivalent) • Familiarity with networking tools and frameworks • Familiarity with running/participating in CTFs is a bonus • A working knowledge in security field is a bonus

- Must have good knowledge of data mining tasks and algorithms
 - Must have finished one data mining research project in depth (e.g., publishing a top-tier data mining conference paper), or be a member in the data mining group at SFU
 - Must be proficient in Python and in libraries such as scikit-learn and pandas
 - Proficiency in Java/R is an asset
 - Data mining project experience is highly desirable
 - Proficiency in Python and PyTorch
 - Familiarity with Convolutional Neural Networks including Unet, VGG
 - Deep Dream and Perceptual Features
 - Familiarity with Generative Adversarial Networks including Pix2pix and CycleGan
 - Familiarity with Deep Geometry Processing including PointNet and PointNet++
- CMPT 741 G100 Data Mining
- CMPT 743 G100 Visual Computing Lab II
- CMPT 756 G100 Distributed and Cloud Systems

CMPT 786 G100	Cloud and Network Security	<ul style="list-style-type: none"> • Working knowledge of networks, distributed systems, and cloud basics • Experienced with networking and TCP/IP Protocol Stack, including TCP, QUIC, BGP, TLS, DNS, DNSSEC • Experienced with at least one public cloud environment, preferably GC and/or AWS • Working Knowledge of Network Operational Security, including firewalls, intrusion detection, segmentation, etc.
CMPT 788 G100	Information Privacy	<p>Ability to assist with this course covering the following topic:</p> <ul style="list-style-type: none"> • Technological innovation in how individuals, organizations, and governments collect and share personal information have raised serious concerns • Data breaches have grown in frequency over the past decade, exposing us to identity theft, financial fraud and intellectual property theft • Fundamental privacy concepts in a broad sense with emphasis on challenging and emerging research topics in privacy
CMPT 800 G100	3D Computer Vision	<ul style="list-style-type: none"> • Proficiency and thorough knowledge of 3D visualization (opengl, directx) • Proficiency and thorough knowledge of non-linear numerical optimization (quasi newton methods) • Proficiency and thorough knowledge of 3D representations (polygonal meshes and implicit representations) • Proficiency and thorough knowledge of artificial intelligence (pytorch and differentiable optimization) • Proficiency and thorough knowledge of differential geometry
CMPT 820 G100	Multimedia Systems	<ul style="list-style-type: none"> • Experience with multimedia data representations, compression, and content distribution and interaction • Familiar with Entropy Coding(Huffman/LZW/Arithmetic Coding) and DCT implementation • Familiar with C++/Java/Python programming, including external libraries for GUI and BMP/JPEG
CMPT 839 G100	Advanced NLP	<ul style="list-style-type: none"> • Strong background in machine learning and deep learning • Knowledgeable about NLP concepts and models (word embeddings, language models, seq2seq models, parsing). Preferably have completed a NLP course (such as CMPT 413/713 or equivalent) • Proficiency with Python and Pytorch programming. Experience with Huggingface transformers library is a plus • Experience with modern NLP datasets like GLUE, WMT, SQUAD, CoNLL • Experience with large language models like BERT, GPT, Llama • Good communication skills, proactive, and eager to assist students
CMPT 889 G100	Spec.Topics / Interdisc	<p>ound in mach, includingEdP5ative, and eagty theft, financ18P1D(.ivA3rning and deep softwave tion TD(• ar with Entropy Coding(Huff and likeuch</p>

CMPT 982 G100	Spec. Top. in Network-Systems	<ul style="list-style-type: none"> • Cyber situational awareness and threat intelligence models • Multivariate time series anomaly detection and forecasting • Discrete Markov models of stochastic processes • Bayesian inference and statistical machine learning • Cyber security risk assessment and management • R language and software environment for statistical computing • Critical infrastructure security and supervisory control systems • Foundations of blockchain technology and applications • Excellent English language communication skills
CMPT 982 G200 & G300	Spec. Top. in Network-Systems	<ul style="list-style-type: none"> • Preferably a graduate student in software and systems • Familiarity with research on analysis, comprehension, debugging, and testing in software engineering • Familiarity with research on mobile (Android or iOS) • Great analytical skills, ability to read academic papers, review, and discuss them • Good programming skills (related to mobile— Java, Swift, C++, Android OS, iOS, etc.), ability to understand and grade code, and help students with their projects • Good communication skills, proactive, and eager to assist students
CMPT 983 G100	Spec. Top. in Art Intelligence	<ul style="list-style-type: none"> • Should have completed an Introduction to Computer Graphics course (such as CMPT 361 or equivalent) • Background in computer graphics, 3D computer vision, and machine learning • Experience reading, writing, and reviewing research papers • Established experience (e.g. >1yr) in neural rendering (NeRF and 3DGS)
CMPT 983 G200	Spec. Top. in Art Intelligence	<ul style="list-style-type: none"> • Background in multi-robot systems, automated planning, and heuristic search • Should have completed an Introduction to AI course • Experience reading, writing, and reviewing research papers
CMPT 983 G300	Spec. Top. in Art Intelligence	<ul style="list-style-type: none"> • Should have completed a machine learning course (such as CMPT 410/726 or equivalent) • Should have completed advanced deep learning-related courses (such as CMPT 361, 413, 420 or equivalent) • Hands-on experience with deep learning and good familiarity with PyTorch programming • Experience in reading, writing, and reviewing research papers
CMPT 984 G100	Spec.Top. Base-Mining-CMPT Bio	<ul style="list-style-type: none"> • Must have working knowledge on core database systems topics, including the internals of database engines, query executors, query optimizers, and concurrent index structures (e.g., B+-trees, hash tables) • Must have experience in core database systems research (e.g., transaction processing, query optimization, query compilation, database storage systems, cloud-native database systems) • Preferably with experience of publishing papers in SIGMOD/VLDB/ICDE/CIDR on database engine topics • Should have completed an Operating Systems course (such as CMPT 300 or equivalent) and a Database Systems course (such as CMPT 454 or equivalent) • Must be familiar with modern C++ programming, debugging, and performance analysis using tools like GCC, GDB, Clang, perf

MACM 101
D100 & D200

Discrete Math I

- Solid background in Discrete Mathematics including counting (combinatorics), propositional and predicate logic, deductive logic, set theory and basics of computational complexity, number theory, functions, relations, and different proof principles
- Solid teaching and interpersonal skills as needed in the tutorials, excellent communication skills in English, excellent rapport with students
- Responsible, showing initiative, responsive, and punctual
- Excellent time management, meeting deadlines
- Must be enthusiastic about assisting a group of students with diverse academic backgrounds
- Must be familiar with zoom, Blackboard Ultra Collaborate, SFU Canvas and Skype
- Previous experience being a TA for MACM 101 preferred

Course #

Course Title

Course Specific Minimum Requirements

These courses are Technical English Writing courses and TAs will be expected to do the following:

- Mark tests and written assignments for grammar, punctuation, sentences structure, etc
- Assess essays for style, word choice, evidence and logic, audience expectation, as well as voice and tone
- Assess paraphrasing, summarizing and quotations
- Assist students to think critically, as well as apply rhetorical patterns to the appropriate situation

CMPT 105W
D200

Soc. Issues & Cmns.
Strategies

CMPT 135 D100	Intro to Computer Prog II	<ul style="list-style-type: none"> • Familiar with C++ programming, including pointers, classes, and objects
CMPT 201 D200	Systems Programming	<ul style="list-style-type: none"> • Strong knowledge in C • Extensive experience in low-level systems programming on Linux (file system interface, threads, processes, sockets, memory allocation, etc.) • Extensive experience in scripting on Linux (shell, python, etc.) • Extensive experience in build systems such as make and cmake • Extensive experience in debugging with debuggers such as GDB • Experience in Linux system administration
CMPT 213 D100	Object Oriented Design in Java	<ul style="list-style-type: none"> • Strong experience with Java • Confident with design patterns (such as MVC and observer) • Experienced with OOD • Experience with Java Spring Boot is an advantage
CMPT 225 D200	Data Structures/ Programming	<ul style="list-style-type: none"> • Experience with programming in C++, including object oriented programming • Know all ADTs and data structures mentioned in the Course Outline, including AVL trees and B-Trees • Should have completed a course in analysis of algorithms (such as CMPT 705, 307, or equivalent) • Comfortable with the Linux command line
CMPT 276 D200	Intro Software Engineering	<ul style="list-style-type: none"> • Great programming skills • Practical and theoretical knowledge of different stages of software development, namely, requirements, design, construction, testing, refactoring, debugging, etc • Java, JUnit, Git, Maven • Good communication skills, proactive, and eager to assist students
CMPT 307 D200	Data Structures	<ul style="list-style-type: none"> • Experience with introduction and mathematical preliminaries, asymptotic notation, models of computation and basic probability theory and mathematical maturity • Experience with priority queues: Heaps • Experience with randomized algorithms, dynamic programming, etc. good familiarity with data structures, graphs, and graph algorithms (shortest paths, connected components, minimum spanning trees) solid background in algorithm design and analysis • Knowledge of classical algorithms and standard algorithmic paradigms such as greedy heuristics, dynamic programming and linear programming
CMPT 371 D100	Data Communications/ Networking	<ul style="list-style-type: none"> • Be familiar with network layers and protocols, in particular, TCP/IP protocol stack • Have experience with socket programming, Python • Have good communication skills and the ability to clearly explain networking concepts and the functioning of networks and protocols to students in response to student questions • Promptly communicate with the instructor with regards to issues with student work including common misunderstandings of course material and suspected academic dishonesty • Meet assignment marking deadlines. Student assignments and quizzes are scaffolded, feedback from one activity is often needed to understand later activities or be ready for assessment activities. • Use assigned marking/grading rubrics and provide sufficient written feedback • Hold office hours and monitor online discussion forums as assigned by the instructor

This course is a Technical English Writing course covering ethics, writing and oral communication across computing research, startup and industrial software development contexts.

TAs will be expected to do the following:

- Mark tests and written assignments for grammar, punctuation, sentence structure, etc
- Mark oral presentations and videos
- Assess papers for style, word choice, evidence and logic, audience expectation, as well as voice and tone
- Assess paraphrasing, summarizing and quotations
- Assist students to think critically, as well as apply rhetorical patterns to the appropriate situation
- Understand the fundamental of informative and persuasive communication
- Attend course meetings and respond to emails and messages in a timely manner
- Attend lectures and tutorials (when requested by the instructor)
- Communicate with the instructor with regards to student issues, etc. allowing the instructor to respond in a timely manner
- Enter grades into Canvas and/or TurnItIn (Speedgrader and Gradebook)
- Hold office hours (when requested by the instructor) and communicate with students about their assignments and grades
- Monitor online discussion forums
- Meet assignment marking deadlines
- Utilize time management skills as marking deadlines for the major assignments and exams are close
- Use assigned marking/grading rubrics and provide sufficient written feedback
- M:

CMPT 376W Prof. Resp. & Tech.
D200 Writing

MACM 101 D300	Discrete Math I	<ul style="list-style-type: none">• Solid background in Discrete Mathematics including counting (combinatorics), propositional and predicate logic, deductive logic, set theory and basics of computational complexity, number theory, functions, relations, and different proof principles• Solid teaching and interpersonal skills as needed in the tutorials, excellent communication skills in English, excellent rapport with students• Responsible, showing initiative, responsive, and punctual• Excellent time management, meeting deadlines• Must be enthusiastic about assisting a group of students with diverse academic backgrounds• Must be familiar with zoom, Blackboard Ultra Collaborate, SFU Canvas and Skype• Previous experience being a TA for MACM 101 preferred
------------------	-----------------	---