

# CO-OPERATIVE EDUCATION PROGRAM

# CO-OP HANDBOOK

November 2025

Established in 1982

#### **Preface**

This edition of the handbook combines information for employers and students. Some of the later chapters refer directly or indirectly to students' academic and personal matters. Most of this handbook contains information relevant to both groups.

We have attempted to keep the text relatively free of materials that rapidly become obsolete. Some of the Appendices are prone to revision from time to time as placement schedules, salaries, personnel, and degree requirements are modified. Current employers and students will be notified of substantial changes when necessary.

Every effort has been made to ensure the accuracy and completeness of the information. Should the reader find errors or omissions in this handbook we would appreciate your comments so that corrections can be noted. Your comments and feedback on our program are welcome at all times.

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#### 1. INTRODUCING CO-OPERATIVE EDUCATION

# 1.1 What is Co-op?

A co-operative (Co-op) education program is designed as an educational program in which a series of related work assignments form an integral part of the student's learning experience. Generally, the program will have a formal sequence of alternating full-time work and study terms. The length of a work term is not less than twelve weeks and is normally 16 weeks. The sequence of these study and work terms is such that students are available for related employment on a year-round basis. A program, which is based on only summer work terms, is not truly a Co-op Program.

Work term experiences are intended to be related to the student's discipline and the university is expected to provide an appropriate orientation before students go out on their first work term. A set of standards is established for all students and the student is required to satisfactorily complete a minimum number of work term assignments in order to have the official record indicate completion of a legitimate Co-op Program. The employer and the university work together in the process of educating students. During their work terms, students are paid at competitive rates. The Co-op Coordinator is the liaison between the employer and the institution; this Coordinator is an administrative position within the university.

The Co-operative Education and Work-Integrated Learning Canada (CEWIL) exists to support the common needs of employers, students, and institutions that are involved in Co-op education. They have established an accreditation council committee whose purpose is to monitor the quality of Co-op Programs and accredit those programs who meet established criteria, some of which are described above. Co-op staff are members of CEWIL and the Computer Science Co-op Program has obtained accreditation for its Co-op Program. Cooperating employers are encouraged to become active members of CEWIL.

# 1.2 Computer Science Co-op Program at UNB

The Co-operative Education Program in Computer Science at UNB was initially implemented during the 1981/82 academic year; the first half of those students went out on their first work term in May 1982. Students enrolled in the following programs are eligible to participate in the Faculty of Computer Science Co-op Program:

- (1) Bachelor of Computer Science (BCS)
- (2) Bachelor of Science in Software Engineering (BScSWE)
- (3) Concurrent Programs: BCS/BSC and BCS/BA
- (4) Masters of Computer Science (MCS & MCSC)
- (5) Software Certificate Program (see section 2.5)

**The Undergraduate Co-op Program** consists of eight study terms and four to six work terms of four months each and spans a period of just less than five years, one year longer

than the traditional program but includes 16-24 months of related work experience. If you are in the concurrent degree programs, it will extend your degree from five to six years. Students who get a job in their first year follow stream A. A customized stream B is established for students not starting their Co-op Program in May following their first year. The schedule is as shown in Figure 1.

STREAM	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5					
	Sept	Jan	May	Sept Jan May		Sept Jan May		Sept Jan May		Sept Jan				
A	S1	S2	W1	S3	W2	S4	W3	S5	W4	S6	W5	W6	S7	S8
В	S1	S2					C1	ıston	nized,					

S = study term

W = work term

**Figure 1:** Sequence of Co-op Work and Study Terms

To obtain the co-operative education designation on their official transcript, undergraduate students must complete a minimum of four four-month work terms with satisfactory assessments (work term report and Employer Evaluation) for each four-month term. Undergraduate students may combine two work terms so they can work eight consecutive months before returning to a full-time study term. Students normally work with the same employer during an eight-month work term.

The Masters Co-op degree is an option for students enrolled in the Masters of Computer Science (MCS) or the Masters of Computer Science by Coursework (MCSC). The Co-op Program exposes students to the latest technologies and to advanced work in an applied setting. Students in co-op placements will use novel or advanced technologies, make use of their high-level analytical skills, and work more independently than in the typical undergraduate co-op position. Placements do not have to be related to the MCS student's thesis work, but such connections are possible and encouraged.

To receive the co-op designation with an MCS or MCSC degree, students must complete two four-month work terms with satisfactory assessments (work term report and Employer Evaluation) for each four-month term. Master's students may combine two work terms so they can work eight consecutive months before returning to a full time study term. MCSC students planning to work eight consecutive months are required to begin working in January or May since the faculty does not teach graduate courses during the summer term. Graduate students normally work with the same employer during an eight-month work term.

Application for the first work term is normally made no earlier than the student's second term of study, in order to assess the student's standing in the graduate program. The final work term cannot be the final term of the student's program. The schedule of

work terms is subject to approval by the MCS student's supervisor (or the Director of Graduate Studies if the student has no supervisor). The Director of Graduate Studies approves the schedule of work terms for all MCSC students.

## 1.3 Advantages of Co-op Programs

Some of the advantages to the students in a Co-op Program are:

- (a) Beneficial and attractive combination of theory and practice
- (b) Work term experiences enhance personal development, independence, and adaptability
- (c) Early recognition of the importance of good communication skills
- (d) Variety of work experiences aids in career choices later
- (e) Financial factors such as regular income, reduced student loans, higher salaries after graduation
- (f) Exposure to a wide variety of technology.

#### Some of the advantages to employers are:

- (a) Year-round availability of students at various skill levels
- (b) Co-op students release regular employees for higher-level tasks
- (c) Students may provide stimulus for staff in certain environments
- (d) Co-ops often later accept full-time employment with employer
- (e) Employer has opportunity to assess prospective employees
- (f) Valuable exchange between employers and universities
- (g) Lower labour costs for Co-op than for full-time but requires supervisory obligation on part of employer.
- (h) Students must attend workshop sessions dealing with job expectations and work ethics.

# Some of the advantages to the institution are:

- (a) Interaction with employers aids in addressing current needs of employers and of graduates
- (b) Co-op students returning from work terms are enthused and better informed about current business practices and situations
- (c) More economical use of university's resources on a year-round basis
- (d) Third semester helps reduce 'peaks' when trying to level course enrollments.

#### 2. PARTICIPATING IN CO-OP

# 2.1 <u>Employer Recruitment</u>

Employers usually learn about the Co-op Program from other employers, employees, or by direct approach from the institution. The Co-op staff will usually correspond with the

employer and provide necessary data and information so that the suitability of the program for the employer can be assessed.

Once the employer decides they would like to hire a co-op student, the next step is to enter the placement process, described in detail in Appendix 1. This process has been designed in an attempt to best meet the needs of employers and students in a fair manner.

Once participating in the Co-op Program, employers are contacted on a regular basis by the Co-op Staff regarding the performance of students, assessment of the program, personnel requirements for future terms, etc.

#### 2.2 Student Admission

**Undergraduate students** apply for their first work term early in their second term of study at UNB. Students must be in good academic standing and meet the following requirements to apply for a work term:

- Achieve a grade point average, GPA, of at least 2.7 during their most recent fulltime semester (all grades must be showing on the transcript for a GPA assessment to be completed – transcripts with grades of INC or incomplete online courses will not be assessed until all grades are showing).
- Completed CS 1083 before beginning their work term.
- Students with an academic offense on their transcript cannot apply for a work term
- Be enrolled in a full-time study term at UNB during the term immediately preceding a Winter or Summer work term.

Students enrolled in Online Open Entry courses or courses with an end date that extends beyond the regular term will be ineligible to apply for a Faculty of Computer Science coop work term in the subsequent term into which the course may extend (e.g.: if in the fall term you want to apply for co-op jobs that begin in the winter term you cannot be enrolled in any Open Entry courses in the fall).

The GPA requirement and academic offense policy also applies to continuing co-op students who are applying for new work terms or planning to return to previous co-op employers.

MCS and MCSC students must be in good standing in the graduate program and meet the following requirements to apply for a work term:

- Have a cumulative GPA for Computer Science Graduate courses greater than or equal to 3.3
- Receive written permission from their supervisor (for MCS students) or the
  Director of Graduate Studies (for MCSC students). Where an MCS student does
  not have a supervisor, they must receive permission from the Director of
  Graduate Studies.

- MCSC students must be enrolled in three courses per semester to be assessed for co-op eligibility. If an MCS or MCSC student is required to enroll in AESL 6021 or equivalent to improve their English competency, the student must successfully complete this requirement before they are eligible to apply for a coop work term.
- Students with an academic offense on their transcript cannot apply for a work term.
- Be enrolled in a full-time study term at UNB during the term immediately preceding a Winter or Summer work term.

Students enrolled in Online Open Entry courses or courses with an end date that extends beyond the regular term will be ineligible to apply for a Faculty of Computer Science co-op work term in the subsequent term into which the course may extend (e.g.: if in the winter term you want to apply for co-op jobs that begin in the summer term you cannot be enrolled in any Open Entry courses in the winter).

#### Requirements for All Students (undergraduate, MCS, MCSC)

For all students interested in participating in the Co-op Program they are required to attend a

• Co-op and PEP Orientation Session is held at the start of each term (fall, winter, and summer). All students enrolled in the BCS, Concurrent BCS (BA & BSc), BSSWE, Certificate in Software Development, MCS, and MCSC programs must attend in order to participate in the Co-op or PEP Program. The session provides essential information about the Co-op and PEP programs, including operational details about the program and prepares the student for the work term application process which requires resume and cover letter writing, and insights from past employers and students. The session involves a Co-op Coordinator, Co-op Director, senior Co-op students, employers, or other relevant individuals. Attendance is mandatory for all students wishing to join the program.

All students (undergraduate, MCS, MCSC) who have secured a Co-op placement must attend the following meetings:

- Pre-Work Term Meeting takes place for students before the start of their first
  placement (fall, winter and summer). These sessions deal with such topics as
  work term goals, work term requirements (before, during, and after), etc.
  Attendance at this session is mandatory for all students before starting their
  first work term placement.
- Work Term Check-in Meeting takes place during the mid-point of each fourmonth work term. During this meeting, the co-op coordinator meets with the student, usually at their workplace or virtually, to discuss the student's progress and overall experience in the position.

• Post-Work Term Meeting takes place for students each time they return to study after their Co-op placement (fall, winter and summer). Attendance at this session is mandatory for all students returning to study after a work term placement (for continuing placements students are not required to meet until they return to study). Students who do not complete a post-work term meeting will receive a grade of NCR on the Co-op work term.

#### **Additional Notes:**

There is no guarantee that all applicants will be successful in securing a Co-op position.

While Co-op applicants are normally required to meet the above academic requirements, they should also exhibit personality traits and personal conduct that would indicate their suitability for working in a professional environment, which is often team oriented.

Co-op students must be legally entitled to employment in Canada. The student must be a Canadian citizen or Permanent Resident or hold a valid work permit to legally qualify for employment in this program. Some federal and provincial government jobs demand Canadian citizenship and may therefore consider Permanent Residents or work permit holders to be ineligible for their jobs.

## 2.3 <u>Receiving Co-op Designation</u>

To receive the Co-op designation on your transcript students must complete the following requirements:

Undergraduate students must successfully complete (with a grade of CR) 4 work terms. Graduate students must successfully complete (with a grade of CR) 2 sequential work terms.

To receive a grade of CR on a work term students must: receive a grade of CR on their Co-op submission (e.g.: reflective report, technical report, student evaluation report), receive a successful employer evaluation, complete the required work term check-in meeting and post-work term meeting. If a student is scheduled for an 8-month work term, to complete their Co-op Program requirements, they are expected to remain with the same employer for the full duration, including the second four-month term. If the employer is unable to extend the term to meet the 8-month requirement, the student will actively apply for a new position to fulfill the full term. If a student does not secure or commit to another qualifying work term, a grade of NCR will be recorded for all previous work terms. (For example, if a student completes the first four months of their work term in the summer but does not commit to a fall extension or make an effort to secure a new fall position, they will receive an NCR for their summer term.)

#### 2.4 <u>Visa (International) Students</u>

Prior to 1989, Canadian immigration policies ruled visa students to be ineligible for employment and no satisfactory exemptions could be determined which might entitle them to work. In January 1989, we were advised in writing "That Co-op Education foreign students are exempt when the educational institution confirms that the work is an integral part of the course of study." This effectively means that visa students may apply for Co-op jobs.

Once a visa student has completed the required orientation session, a Co-op Coordinator will provide the student with a letter, confirming their participation in the Co-op Program, so they can complete the co-op work permit application process. UNB's International Student Advisor's Office, <a href="https://www.unb.ca/isao/">https://www.unb.ca/isao/</a>, provides group information sessions, workshops and individual advising to help VISA students apply for a co-op work permit as well as renew their study permit.

Co-op work experience is restricted to no more than half of the study program. Consequently, international Undergraduate students are capped at a maximum of four four-month work terms, while international Masters students are limited to two four-month work terms.

#### 2.5 Late Student Admission and Transfers

Usually, September placements are the easiest to get and some students are taking advantage of this by studying through the summer months of their first year. Students wishing to enter the program must complete an orientation session before they are eligible to apply for jobs, so it is advised that students attend this session in their first year of study, or as soon as possible.

Students interested in joining the program even later than the above dates should consult a Coordinator to determine the feasibility of their request. It will not be possible to admit a student to the Co-op Program if they cannot complete the Co-op requirements in a satisfactory manner (minimum of four four-month work terms, before their last study term). As a rule, students who have completed more than 90 credit hours prior to a first work term will not be eligible for the Co-op Program.

#### 2.6 <u>Certificate Students</u>

Students enrolled in the Faculty of Computer Science Software Certificate Program are eligible to integrate one four-month work term into their course of study. This work term also has three entry points: September, January and May.

To be eligible for a Co-op Work Term, Certificate Students must be in good academic standing and meet the following requirements to apply for a work term:

- Have an overall academic GPA of 2.7 (B-) on all CS courses taken towards the Certificate Program (all grades must be showing on the transcript for a GPA assessment to be completed – transcripts with grades of INC or incomplete online courses will not be assessed until all grades are showing).
- Completed CS 1083 before beginning their work term.
- Have a minimum of one study term remaining following their work term.
- Students with an academic offense on their transcript cannot apply for a work term.

To be eligible for a Co-op Work Term, Certificate Students must have completed a minimum of eight credit hours of their program just prior to starting Co-op employment. Further, students must have an overall academic GPA of 2.7 (B-) on all CS courses taken towards the Certificate Program and have a minimum of one study term remaining following their work term.

Students enrolled in Online Open Entry courses or courses with an end date that extends beyond the regular term will be ineligible to apply for a Faculty of Computer Science coop work term in the subsequent term into which the course may extend (e.g.: if in the fall term you want to apply for co-op jobs that begin in the winter term you cannot be enrolled in any Open Entry courses in the fall).

Certificate Students will be assessed a Co-op Work Term fee (see Sections 4.2.2 and 6.3 for further information). In addition, because Certificate students are considered "full-time" during Co-op work terms, other fees associated with full-time enrolment will have to be paid. Such fees include SUB Expansion fees and Medical Insurance. Please consult with UNB Financial Services for further information.

# 2.7 <u>Co-op Staff</u>

The Co-op Program has a staff of four people to assist Co-op students and employers. The titles and primary responsibilities of these staff members are listed below. Please refer your concerns or inquiries to the appropriate person.

STAFF PERSON	PRIMARY RESPONSIBILITIES
Director of Co-op	academic advising of students, mark technical work term reports, recruitment and orientation of students, employer recruitment and liaison, program policy formulation, general administration, liaison with other university bodies.
Coordinators (2)	work-related student advising, recruitment and orientation of students, liaison with students and employers, job placement, onsite visits, and monitoring of students.  No academic advising of students.

Administrative	administrative and clerical duties, assisting with job placement,
Staff (1)	telephone messages, and maintaining co-op student files.
	No student advising.

#### 3. RESPONSIBILITIES IN THE CO-OP PROGRAM

#### 3.1 <u>Employer Responsibility</u>

Some of the employer's responsibilities are:

- To organize a workload appropriate to the student's level.
- To provide on-the-job guidance, supervision, and a suitable working environment.
- To pay the student at a reasonable rate (refer to section 4.2.3).
- To observe legal hiring practices and to encourage students to complete their course of study.
- To adhere to the placement process (as described in Appendix 1) for the recruitment of Co-op students.
- To review the student's work term goals and provide feedback where appropriate
- To assess the student's performance periodically and to submit an online evaluation (Appendix 5) at the end of each four-month work term. The employer will review this evaluation with the student. Once submitted, the evaluation will attach to the student's work term record in ExperienceUNB, the Co-op Program Information Management System.
- To assist the student in locating suitable living accommodations where necessary.
- To assist in defraying travel costs where circumstances warrant.
- To observe the work term as a commitment to the student and the university for the duration of the work term period.
- To recognize that fluctuations in the availability of jobs and/or students do occur.
  It is not possible as a rule to guarantee jobs for students or students for jobs. The
  Co-op staff will try to give a reasonable portrayal of the current situation when
  asked.
- To comply with all Provincial and Federal Human Rights, Employment and Freedom of Information legislation.

# 3.2 <u>Student Responsibility</u>

Student responsibilities include:

- To abide by all UNB Computer Science Co-op Program policies and procedures.
- To maintain conscientious work habits and behavior.
- Ensure regular monitoring of their UNB email throughout each work term to stay updated on correspondence from the Co-op Office.

- To maintain academic requirements, described in section 2.2, during study terms (With 9 credit hours or more each term). Failure to maintain academic standards will normally cause the student to be removed from the Co-op Program.
- To display satisfactory performance during the work term. An employer evaluation indicating unsatisfactory performance will normally cause the student to be removed from the Co-op Program. Failure to submit an evaluation will prevent the student from continuing in the Co-op Program.
- To adhere to the placement process (as described in Appendix 1) for the recruitment of Co-op students.
- To submit applications (cover letter, resume and unofficial transcript) for each specific job by the deadline. The co-op Coordinator has the discretion to withhold a student's application under certain circumstances. These include:
  - Not meeting job posting criteria
  - Spelling and grammatical errors
  - Not following proper resume or cover letter format
  - Incomplete application documents
- Falsifying or knowingly submitting a false transcript can result in an Academic Offense
- To apply only for jobs in which they have a genuine interest and to commit to taking any job they rank.
- To submit satisfactory work term goals for each four-month work term, as outlined in section 4.4.1
- To submit to the faculty a work term report for each of the first four four-month work terms for undergraduate students and the first two four-month work terms for graduate students. This report is submitted to the UNB CS Co-op Office within the first seven days after month four of the work term and is evaluated by a Co-op Coordinator or a faculty member. A grade of NCR on a Co-op work term will prevent the student from continuing in the Co-op Program. Requirements for work term reports are outlined in section 4.6 of this handbook.
- To observe the work term as a commitment to the employer and the university for the duration of the work term period.
- Book a work term check-in with a co-op coordinator during each four-month term
- To return to a full-time study term following each work term, including the final work term
- Book a post-work term meeting with a co-op coordinator following the completion of each work term.
- To temper expectations of the type, level, and quantity of work, the level of skill required, and the degree of stimulation and self-satisfaction with the realities of work project schedules, of the students' experience level, of seasonal lulls (holidays) or peak periods, etc. Work terms will have their highs and lows; some may seem less-than-wonderful, yet all should have valuable learning experiences if the student will recognize them.

• Complete one full-time summer study term: All undergraduate co-op students are required to take at least three courses during their 1<sup>st</sup> or 2<sup>nd</sup> summer while attending UNB.

Exceptions to this rule may apply to transfer students who have already completed two years of their degree.

# 3.3 <u>University Responsibility</u>

The Faculty of Computer Science Co-op Staff are responsible for the following:

- To approve all employer job postings before they are added to the Student Co-op Job Booklet
- To provide a coordination function between the employer and the students with respect to recruitment and other procedures.
- Schedule co-op orientation sessions during each term.
- To monitor work term positions and ensure that students are employed at levels fitting their status in the program.
- To maintain acceptable academic standards and to ensure that the work term standards are met.
- To maintain contact with both the employer and student during the work term.
- To provide normal academic support during all terms.
- To notify employers of any students working for them who have received a warning or suspension notification because of low academic standing in the previous term.
- To determine the overall assessment of the work term.
- The Faculty of Computer Science Co-op Program administration has the right to decide which students are permitted to continue in the program based on job performance and employer feedback.

# 3.3.1 Role of UNB's Accessibility Centre in the Co-op Program

The University of New Brunswick's <u>Student Accessibility Centre</u> provides support and accommodations to ensure equitable access to education for students with disabilities.

The centre assists students with documented visible, invisible, or temporary disabilities by offering tailored academic accommodations such as classroom, campus, exam, and experiential education support. Services include helping students with learning disabilities, ADHD, sensory impairments, chronic health conditions, physical disabilities, mental health challenges, and temporary conditions. By collaborating with faculty and staff, the centres foster an inclusive learning experience and promotes academic success through individualized plans, resources, and guidance.

During co-op placements, UNB's Accessibility Centres can play a crucial role in ensuring students with disabilities have equitable access to workplace experiences. They can help by:

- Workplace accommodations: Extending academic accommodations into the workplace, such as assistive technology, flexible scheduling, or modified tasks, depending on the student's needs.
- **Collaboration with employers**: Acting as a liaison between students and co-op coordinators and employers to communicate accommodation requirements
- Preparation and advocacy: Supporting students before placements by helping them understand their rights, practice self-advocacy, and develop strategies for success in professional environments.
- Continuity of support: Providing ongoing guidance during the placement to address challenges that arise, ensuring students can focus on learning and contributing effectively.

The Accessibility Centre bridge's the gap between classroom and workplace, ensuring that students' co-op experiences are accessible, supportive, and aligned with their individual needs.

# 4. WORK TERM REQUIREMENTS

# 4.1.1 <u>The Hiring Process</u>

Students are expected to seek employment through the placement process arranged by the Co-op Staff. Since channels of communication already exist, students may not seek employment directly with a participating co-operative employer unless specific arrangements are made with a Co-op Coordinator. The process of selecting students for co-op positions takes place in the four months prior to the work term concerned. Appendix 1 describes this process in detail.

Students are also encouraged to conduct their own job search, and if they are successful, the position must be evaluated by a Co-op Coordinator before it can be registered as a co-op placement. Payment of the work term fee would be required for the term to be counted towards the Co-op Program designation. Students intending to find their own jobs must not proceed with the normal recruitment process.

#### 4.1.2 Release of Information

For those students seeking employment through the interview process, portions of their Co-operative student records may be disclosed to prospective employers. In addition, resumes and other forms provided by students are made available to prospective employers. A file is kept on each Co-operative student; this includes transcripts, employer evaluations of Co-op work terms, records of Coordinator interviews, work term report evaluations, record of Co-op work term experience, etc. These files are

confidential but will be made available, upon proof of identification, to each individual student.

#### 4.1.3 Interviews

Students should check their UNB email account twice daily during the interview period to determine if they have been granted an interview. Often employers will provide little notice of their interview dates and preferences, and it is the student's responsibility to make sure that they sign up for interviews as soon as possible.

Students are expected to attend all interviews granted to them. Students who anticipate missing an interview for just cause should inform the Co-op office far enough in advance to allow the schedule to be adjusted. Students who miss interviews without just cause may be withdrawn from the placement process.

Although the Co-op office does everything possible to arrange interviews during times that do not conflict with the students' class schedules, students are often required to leave class early or arrive late. It is encouraged that students inform their professors in advance of having to do so. Students are not required to miss an exam or midterm for a co-op interview; however, it is the responsibility of the student to notify the co-op staff of the conflict at the time the interview schedule is released.

Students must have a reference page available at the time of the interview, which includes at least two references. Reference information should include name, position title, company name, location, phone number and email address. Make sure you contact your references to get their permission well before the interview date.

Students are not permitted to contact employers before or after scheduled interviews. All correspondence with employers during the interview process is handled by the Co-op office. Once a student has signed a contract with an employer, and they want to reach out to the employer prior to the start date, they may do so but must copy one of the Co-op Coordinators in their correspondence.

#### 4.1.4 First Round Hiring Process: Rank and Match

During the first round hiring process, students rank as many "interviewed employers" as possible. By ranking a job, students are making a commitment to accept a Co-op work term with the specified employer. Therefore, it is important to note that students should NOT RANK any job that they are not fully prepared to accept. Depending on the circumstances, a student who does not accept the results of the matching process will be removed from the Co-op Program. See Appendix 3 for ranking rules.

#### 4.1.5 Second Round Hiring Process: Continuous Hiring

During the second round hiring process, all job offers are made through the Co-op Office. Students are granted 48 hours to accept or reject a Co-op job offer (unless otherwise approved). Once accepted, the student is committed to that placement and no subsequent Co-op job interviews or offers may be accepted for the current work term.

#### 4.1.6 Letter of Offer

Employers are required to issue a letter of offer, via the Co-op office, to the student prior to the start date of the work term. The Co-op secretary who will forward the letter to the student for their signature. One copy of the signed letter is returned to the employer, and a second copy is kept by the Co-op Office for inclusion in the student's file.

### 4.2 <u>Work Term Registration</u>

#### 4.2.1 Full-time Status

Students are considered, by UNB, as full-time students while working as a co-op student. Once the student has been matched with an employer, the co-op office will register the student's work term with the Registrar's office. However, Revenue Canada does consider co-op work terms as full-time academic periods, therefore co-op students cannot claim their work term fees as deductible expenses.

#### 4.2.2 Work Term Fee

Students registered for a co-op work term do not pay tuition fees. However, a co-op fee, \$849.00, will be charged for each four-month work term registered. The fee, the same for International and Domestic students, is due at the beginning of the work term, and the last possible day to pay without penalty is the last working day of month two of the work term. See also Section 6.3.

#### 4.2.3 Work Term Salaries

Salaries of students on work terms can vary considerably based on employer, location, and numerous other factors. Since the nature of the employer ranges from non-profit organizations to large national enterprises, and costs-of-living also vary widely, there can be no rigid salary scale.

The figures below indicate "average" salaries paid to UNB Computer Science Co-op students from January – December 2024. For the scale below, the salary for work term W3 assumes two previous work terms, Etc. The top 5 % and bottom 5% of salaries have been excluded from all figures below.

Work Term	W1	W2	W3	W4	W5	W6
Undergraduate	21.00	22.00	23.00	24.00	24.00	24.50
MCS & MCSC	25.00	26.00				

It should be remembered that UNB students in some circumstances will undoubtedly require salaries higher than the average. Students are advised to consider many factors along with salary in judging the attractiveness of jobs; these factors will include location, nature of work, skills required, exposure to advanced technology, dress codes, living accommodations, opportunity to travel, personal career development, and other relevant topics. Clearly there will be justifiable reasons for specific salaries to be appreciably higher (or lower) than the average.

# 4.3 General Conduct during a Work Term

#### 4.3.1 Commitment to the Co-op Program

Once accepted into the Co-op Program, students must agree that any full-time work done with a Co-op employer, before graduation, will be considered as a Co-op work term. This commitment to the Co-op Program is essential for its continued success.

## 4.3.2 Honoring Job Commitment

Once a student is matched with an employer in the current round of interviews, they CANNOT pursue any other job possibilities. Students are expected to report for work as agreed and to remain for the duration of the work term (either four or eight months) unless a Coordinator has given prior approval. Depending on the circumstances, if a student declines an offer after the co-op office has confirmed the match, the student may be withdrawn from the Co-op Program.

# 4.3.3 Taking a Course during a Work Term

Students are not permitted to enroll in any courses during their first work term. However, if a student receives a rating of Very Good, Excellent, or Outstanding on their Final Employer Evaluation for their most recent work term, they may be allowed to take one course during a subsequent work term. This course may be either an online course or an in-person course offered during evenings or weekends, provided they receive approval from both their employer and a Co-op Coordinator.

You will pay a course fee if you do take a course during a later work term. If you are considering taking a course away from UNB, you should obtain an Off-Campus Study Request Form from the Registrar's Office. This form should be submitted, along with a Calendar description of the course, <u>before you take the course</u>. If approved, it will be assigned a UNB course equivalency. If a student takes more than one course during a

work term without obtaining special permission, they will be withdrawn from the Co-op Program.

#### 4.3.4 Part Time Work during a Co-op Work Term

Students who work part time during a work term must limit their hours to 10 hours per week, outside of their work term hours.

<u>PLEASE NOTE:</u> Students are not eligible to be a Teaching Assistant (TA) or participate in the Work Study Program during a Co-op work term.

#### 4.3.5 Commitment to the Co-op Program

An undergraduate Co-op student will normally complete their required summer study term before the start of their third year.

Most students are expected to find employment with more than a single employer during the program although it is possible that a sufficiently large employer might offer an appropriate variety of work term experiences to the student over the span of the program. Early long-term commitments between students and employers (e.g., for the entirety of the program) are not sanctioned; in certain circumstances Co-op staff will strongly advise students and/or employers that a change in employment is in the best interests of all concerned. The main aim of encouraging students to see more than one employer is to allow for a progression of work experience, which may not be possible within an individual organization of smaller size.

## 4.3.6 On-the-job Performance

The student must maintain conscientious work habits during their work terms. Any inappropriate behavior may prejudice the employer's opinion of the faculty as well as the student. Unsatisfactory performance by a student on a work term is investigated by a Coordinator. As a result of this investigation, if benefits from further professional training are questionable, the student may be required to withdraw from the program.

For more information on professionalism and ethical behavior, please visit the CIPS (Canadian Information Processing Society) website: www.cips.ca/ethics

If a work experience is deemed by a Coordinator to be unsuitable, appropriate action(s) will be taken, including, but not limited to:

- Remedial intervention with the employer, on behalf of the student
- Termination of the work experience, without penalty to the student

#### 4.3.7 Expectations

Students are reminded to keep expectations of their jobs realistic. As a professional, you will be expected to learn, practice, and perfect skills before advancing to new tasks. It would not be reasonable to expect even sixth work term jobs to be at the same level as those occupied by professionals with several years of experience.

It should be noted that it is in the best interests of both students and employers to have students' busy and productive at all times. This may not always be possible, however, as difficulties with task/project readiness, nature of work or speed of progress may all come into play to thwart the continuity of a work term. Also, some employers simply may not have a challenging level of task for students to tackle (although much effort is made to meet this requirement). Students are asked to bear with employers during any such brief period of inactivity or less than stimulating assignment and use it as an opportunity for self-improvement; take the initiative to learn new things or to find tasks to do. Students should assess as quickly as possible any period of inactivity or lack of challenging tasks. If problems are identified early, consultations with the supervisor and a Co-op Coordinator can sometimes improve existing situations.

#### 4.3.8 Professionalism and Certification

The Canadian Information Processing Society (CIPS) is the primary organization in Canada for Information Technology (IT) professionals. CIPS chapters exist in most major centers, including Fredericton. Local professionals, including several UNB Computer Science faculty members and some students, meet periodically to discuss professional issues of local, regional, and national interest. One major area of national interest in recent years has been the need for certification of IT professionals. The Fredericton chapter of CIPS has been pivotal in advancing professional certification in New Brunswick. You can read more about CIPS at <a href="http://www.cips.ca/">http://www.cips.ca/</a>.

# 4.4 Communication with a Co-op Coordinator

Each student is expected to maintain communication with a Co-op Coordinator on all matters pertinent to the Co-op Program. Specifically, this will include one meeting with the student during the work term and another at the university immediately following the work term. It is therefore imperative that students on work term read their UNB email on a regular basis.

#### 4.4.1 Work Term Record and Goal Setting

A work term record is to be updated and submitted in the Co-op database (ExperienceUNB) early in the work term. The record is required by the Co-op staff in order to keep track of all Co-op students during the work term.

During each four-month work term, students are required to set two SMART goals, to improve soft skills, which must be signed by the student's work supervisor and approved by the co-op office. See Appendix 4 for more information for setting SMART goals. The student should keep a copy of this form and work towards fulfilling the goals set during the work term.

#### 4.4.2 On-site Visit

Early in the third month of a work term, a Coordinator, or a faculty member, will arrange a meeting with each student. This is to confirm that the job placement is satisfactory, and if not, to try to resolve any problems that have come up, and also to monitor the student's progress, review their SMART goals and discuss future plans. The visitor will also follow up with each student's supervisor for feedback on the student's job performance.

## 4.4.3 Post Work Term Meeting

Upon returning to campus after each work term, the student must book a meeting with a Co-op Coordinator. The purpose of this meeting is to review the student's experience of the past work term, the employer's evaluation, and the student's professional development as outlined in the work term report and its evaluation. It will also include a discussion of plans for future work terms, academic activities and career goals. This meeting is mandatory because it ensures that the student's work-study schedule is upto-date.

#### 4.5. Work Term Evaluation

#### 4.5.1 Quantity

**Undergraduate Students** must complete a minimum of four four-month work terms with satisfactory assessments (work term report and Employer Evaluation) for each four-month term in order to obtain the co-operative education designation on their official transcript.

**Masters students** must complete a two four-month work terms with satisfactory assessments (work term report and Employer Evaluation) for each four-month term in order to obtain the co-operative education designation on their official transcript.

# 4.5.2 Evaluation by Employer

The employer evaluates the student using an on-line form provided by the co-op staff. The Supervisor is also expected to discuss this evaluation with the student. An 'unsatisfactory' rating indicates serious difficulties; a student may be required to withdraw from the Co-op Program if an unsatisfactory rating is received. A copy of the

Employer Evaluation is shown in Appendix 5. The final evaluation is reviewed with a Coordinator when the student returns to a study term.

#### 4.6 Work Term Reports

In today's world, all organizations depend on good communication for their success; consequently, communication skills are of particularly vital importance to your professional career. Paramount among those skills is the ability to write effectively; therefore, report writing is a very significant part of your education.

The reports are graded, on a pass/fail basis, by a Co-op Coordinator or a faculty member from the Faculty of Computer Science and are an important factor in determining if your work term is successful.

Reports must be submitted through D2L within the first week back to school, or within seven days of the fifth month of an eight-month work term. The due date is communicated to students multiple times throughout the work term and is posted on the Faculty of Computer Science Co-op website under "Co-op Reports." Failure to submit a satisfactory work term report will result in an NCR (No Credit Received) grade for the work term and removal from the Co-op Program.

Extensions on work term reports are not normally granted. If extenuating circumstances have affected your ability to complete the report, you must contact the Co-op Director to explain your situation. Granting an extension is at their discretion.

The objectives of work-term reports are to help students:

- Develop technical writing skills;
- Develop skills in analytical thinking and design;
- Advance your career by giving you the opportunity to evaluate and reflect on the work you have done.

# **Proofreading**

Excessive numbers of spelling, typographic and grammatical errors are grounds for rejection of your report. All students are presumed to be able to write a report in clear, proper English, and lack of proficiency is not an acceptable excuse for a badly written report.

# Confidentiality

You must discuss the issue of potential confidentiality with your supervisor well before you start writing your report. Employers will not want you to publicly reveal information that exposes company trade secrets, makes the company look bad, exposes the company to potential lawsuits, or gives other useful information to competitors.

You must make every effort to avoid a report that your employer is not willing to let faculty or staff members read. This is for two reasons: We want to learn about what you are doing, and we want to ensure that you are treated in the same way as other co-op students.

You can explain to your employer that, a) the document is not made officially 'public' in any way, and b) marking is done by a staff or faculty member within the Faculty of Computer Science. Nevertheless, this might not be enough to satisfy your employer.

Even if the bulk of your work is highly confidential, you can normally discuss issues that are non-confidential. Another approach that is often possible is to have the employer evaluate the work term report. In this case, the Coordinator will provide the employer with the appropriate evaluation form to assess the student's report.

## 4.6.1 Work Term Report Requirements for the 1st and 2nd Undergraduate Work Term

**Undergraduate** students will submit a reflective style report for their first and second work terms. This report is intended to show clearly how the experiences of each work term have contributed to the student's development as an emerging professional. The report must include a letter of submittal, title page and these three specified sections (two to four pages) plus an appendix (professional log):

#### 1. Introduction:

Explains the work term context (who, where, when, what, why).

#### 2. Summary:

 An overview of your responsibilities, any specialized training during the term, etc. Comments should be made on the work term environment, how prepared you felt for this position, and the level of supervision and mentoring you received.

#### 3. Professional/Personal Development:

How you were able to develop as an emerging professional, what technical
and business content you learned. Most importantly, a reflection of each of
your personal work term goals, including a self-assessment of the level of
skill attained.

#### Appendix (professional log)

Each term's monthly log must be verified, initialized and signed by the on-the-job supervisor before the student leaves the work term. Each logged activity will be expressed in action-oriented terms (use verbs) which clearly indicate the area of involvement and the

student's role. The student will type all of the needed information, including the supervisor's name and address information, on the log page before having the supervisor verify/initial each month's activities and sign at the bottom of the log; if two supervisors are involved in initialing and signing the log, then both of their names and job titles must appear at the bottom of the log form. If necessary, the form may be expanded to include an extra page but the table format should be preserved. The font may be shrunk, within reason, to allow the log to fit on one page. The template for the "Professional Log" is shown on the next page.



# **Professional Log** | Co-op and Professional Experience Programs

Student Name:
---------------

Month 1 / yr.	Record	of work activities (min. 1 entry/ month)	Verification
	1.		
	2.		
	3.		
Month 2 / yr.		Supervisor's Initials:	
	1.		
	2.		
	3.		
Month 3 / yr.		Supervisor's Initials:	
	1.		
	2.		
	3.		
Month 4 / yr.		Supervisor's Initials:	
	1.		
	2.		
	3.		
		Supervisor's Initials:	
IT Professiono	<mark>ıl Supervisor:</mark>	Supervisor Name (printed):	
Please verify that the work activities listed are complete and accurate before initialing beside the LAST line of each month's		Signature:	
entries.  Please sign your r to the right. If any verified this Log, p their name, title, o	name in the box other person has olease include	Job Title: Name of Organization:	

#### **Professional Journal and Logs**

As a part of professional practice, each student should carefully maintain a personal journal on a daily/weekly basis during the work term. The journal can be electronic or hard copy, which serves as a permanent record of the student's professional activities. The contents of the journal will identify the daily work performed, project brainstorming, important conversations concerning the work, and other relevant aspects of the work for which the student is responsible.

The journal entries will be summarized and condensed later when preparing the entries for the *professional log* which is required for the first two work term reports, and which should be useful for future consideration towards the I.S.P. professional designation. To have their Co-op or PEP experience qualify for partial credit towards the ISP designation, students graduating from IT programs such as Computer Science will need to have clear documentation available so that their work term experience may be evaluated. This work term experience must be presented in a brief but clear and complete way for consideration. It is the students' responsibility to keep their own professional logs (in both hard copy and electronic form) for any future consideration towards the I.S.P. designation.

# 4.6.2 Work Term Report Requirements for the 3<sup>rd</sup> Undergraduate work term and the 1<sup>st</sup> MCS & MCSC work term

The work term report for the 3<sup>rd</sup> undergraduate work term and the 1<sup>st</sup> MCS work term contains an analytical element, relating academic knowledge to practical experience. Its purpose is to help you develop written and analytical skills; you will not only gather information, but interpret, organize and present it clearly and understandably.

It may also allow you to examine in detail aspects of a project or the organization, which you did not have the opportunity to study during your daily work. Ideally, the work will be of practical benefit to your employer.

Choosing a subject is the most important aspect of your work term report. Your employer may help in selection of a topic. This is to their advantage since their early contribution can lead to a report that will be of direct use to them. Your "outside" objective view of a problem or situation can benefit the organization.

The report must be analytical in nature. In other words, the report must do one or more of the following:

- Explain why something is the way it is.
- Give thoughtful commentary about what is good and bad about something (pros and cons, advantages and disadvantages).
- Discuss problems faced by you, the company or its customers and explain how they were solved and why they were solved that way.

- Discuss how something could be improved.
- Document where you are getting all of the information for your report and that you are providing references to your sources.

Reports filled with large amounts of technical facts are not acceptable. Technical facts should only be presented to justify an argument or to give just enough background material so that the reader can understand the remainder of the report.

Most common types of reports written for employers fail to meet the above guidelines as they generally focus on the results or a product and not the student's role in the work:

- Reference manuals, user guides, configuration guides: never acceptable;
- Design documents: only acceptable if the bulk of the report focuses on explaining the rationale for design decisions and your role in those decisions;
- Specifications or requirements documents: unacceptable, unless the majority of the document explains in detail the rationale for the requirements and your role in the creation of the document;
- Research reports where you have gathered information on a certain topic: unlikely to be acceptable.

Reports edited by company staff are not acceptable, unless they were reviewed solely for confidentiality reasons.

If a report you have written for your employer does not meet the above criteria, you may still be able to take the report as it stands and enhance it so that it does meet the criteria –effectively creating a new document based on the original. If you do this, you should say so in your letter of transmittal. For example, if you have written a very long document with many technical details, you can cut out most of the technical details and enhance the analytical component as well as explain your role in the work.

Finally, the work term report is a permanent record of your work and, if well done, serves faculty, other co-op students and potential employers as an example of your abilities.

Note: There are times when a student is not able to create a report that aligns with the work they completed with their employer. In this case, it is acceptable for the student to choose a topic that is independent from their work term. The topic chosen must be computer science related and remain analytical in nature.

## **Unity of Theme**

Your report should mention all the work you were asked to perform in the introduction so the reader can clearly understand your entire work term duties, but then should concentrate on one topic, so it is a coherent in-depth discussion of that topic rather than a superficial report on many things. The introduction should explain the key ideas you will be discussing, with the body of the report providing detailed discussion. The conclusion should summarize what you have said. The entire report should be written to an audience of other students in the same program as yourself, not your manager or the professor who might read your report later. Anything that you did not know from your studies to that point and is needed to understand the report would have to be explained in the report.

It is important that all the information presented in the report be there for a valid reason. Do not add additional material just so the report is the required length, instead expand on the discussion to meet length requirements or choose another topic for the entire report. This applies also for appendices - only add appendices if they serve to justify points you have made in the body of the report. For example, do not include large amounts of source code; if you feel source code is truly necessary to illustrate points you are making - provide only a few samples (maximum 100 lines) and normally put these in an appendix.

## **Length of Report**

Your report must contain at least nine pages of single-spaced text (12-point Times New Roman font or similar, using a standard report format). The main body of the report must be at least 4500 words. You should also include figures, tables, appendices, etc., as necessary. The total length of the report should not exceed 15 pages (7500 words). Normal reports are the equivalent of 8 to 10 pages (4000 to 5000 words). Figures, tables, program listings, quoted material and the like do not count in report length.

#### References

You must pay very careful attention to explain where all of the information in your report comes from. This means that you must give full references for all the ideas you talk about (not only quotations).

Remember that referencing material improperly exposes you to a charge of plagiarism. This serious academic offence results in a failed report and possibly further University sanctions. See the UNB Calendar for further details:

http://www.unb.ca/academics/calendar/undergraduate/current/regulations/universitywideacademiceregulations/viii-academicoffences/index.html

## **Report Requirements**

#### 1. Letter of Transmittal

The letter of transmittal should be single-spaced and follow good business format. It should be addressed to the Co-op Coordinator and include the following information:

- Your name and student number.
- Name of employer and name of supervisor.
- Position held.
- Title of report submitted.
- Relationship between work performed and the submitted documents (if any).
- The work term completed (first, second, etc.).
- Acknowledgment of assistance and statement that the report is your own work.

You can also use the letter to pass on any further information regarding the work term or the report.

## 2. The Report

Please note the following requirements for this co-op report:

- All pages should be numbered (including any appendices);
- References to other publications or to appendices should be precise (page numbers, etc.);
- Avoid adding generic descriptions of the company or products unless relevant to your topic;
- Add a glossary if the text includes numerous technical terms;
- The appendix may contain such items as lengthy tables, computer code or maps;
- Use of figures, graphs, or histograms may add clarity and shorten your text;
- Organize your report in sections and use headings;
- Use a font size of 12 point (14 point for headings) and **single** line spacing.
- 3. Report Relationship to CS 3997, CS 4983, and CS 4997

Work that is submitted to fulfill the requirements of a Co-op report are normally **not** to overlap with reports that are submitted to fulfill the requirements of CS 3997, CS 4983 or CS 4997. If a student wishes to have overlap between reports, then they must first receive *written permission* from the co-op director and the instructor of the CS 3997/4983/4997 course.

#### Contacting a Co-op Coordinator

If your Co-op work term involves unusual circumstances, and you are therefore unsure about whether your report meets the above requirements, you should contact a Co-op Coordinator. You should do this by e-mail since the Coordinators have a large number of students to deal with, and a record of the discussion is important to have in case there is a problem later. Before contacting a Co-op Coordinator, please be sure to re-read these guidelines to ensure that your question has not been answered. In your e-mail, explain the difficulties you are having and provide the outline for your proposed report. The Coordinator will then indicate whether you are on the right track. In the end, you remain responsible to ensure that your final report meets the requirements.

# 4.6.3 Work Term Report Requirements for the 4th Undergraduate work term and the 2nd MCS & MCSC work term

The work term report for the fourth undergraduate work term and the 2<sup>nd</sup> MCS & MCSC work term is a Student Evaluation Report. This document contains questions, which guide the student to reflect on their work term experience and identify areas of growth and learning. Some of the topics include a reflection on their training and supervision, work assignments, technical and soft skills acquired, career preparation and an overall assessment of the employer.

See Appendix 9 for the report template.

# 4.7 <u>Student Records</u>

Each successful work term, including dates and location, will be noted on the student's transcript. Effective September 2021, UNB Co-op work terms will be assigned a CR (Credit) or NCR (No Credit) following the completion of each four-month work term. In order for students to receive credit for each four-month work term, they must submit a satisfactory work term report, submit satisfactory SMART goals, receive a satisfactory employer evaluation and return to a full time study term after the completion of the work term. The overall evaluations of both the work term performance and the work term report are recorded on the student's Work Term Record for each work term in their co-op sequence within their ExperienceUNB account.

#### 4.8 Graduation

Co-op students will have at least one full-time study term after their last work term. Upon graduation, a successful Co-op student will have the designation "Co-operative Education" following their degree on their official transcript.

## 4.9 <u>Exemptions</u>

Exemptions or deviations from any of the work term requirements can only be granted with the specific approval of the Co-op Director. Appeals may be made to the Dean of the Faculty of Computer Science.

#### 5. STUDY TERM REQUIREMENTS - Undergraduate Students

#### 5.1 <u>Course Selection and Planning</u>

Co-op students are required to complete all the requirements of their degree program. You may also choose to work towards an Honours designation, but this is <u>not</u> a requirement. You may want to consider using your elective courses to study other subjects of interest to you.

<u>Planning your program and course selections ahead is very important</u>. This will help you avoid being limited in your course choices later on or even delaying your graduation. You should regularly refer to the UNB Calendar (or revisions) and consult with the Director of Co-op to plan your program and to confirm that you are meeting the degree requirements.

Issues related to course planning which are of particular relevance to co-op students include:

- While most Computer Science core courses are available in both fall and winter terms, many others (e.g., MATH, STAT, ECE, etc.) are available in one term <u>or</u> the other.
- There is a limited selection of courses available for study during the summer term (see 5.1.2).
- Many upper year courses require prerequisite courses that need to be taken early in the program for everything to fit.

Since most timetabling and course availability concerns require considerable lead-time to solve, please report any problems to an academic advisor as soon as you perceive them; otherwise, the problem may be impossible to resolve at a later date.

# 5.1.1 Course Selection Specifics

Students generally take five courses in their first study term (S1) and five or six in most remaining study terms.

Students are cautioned against taking too many Computer Science courses (e.g., more than 3 per term) in their early terms. Employers are usually interested in seeing students focus on one or two elective areas along with the Computer Science content. So,

remember to plan your elective interests into your program in a consistent and meaningful manner. Keep in mind that some Computer Science courses require more time than others do, especially programming courses. Balance your course selection each term.

Students should <u>not</u> drop or change courses without discussing the ramifications with an academic advisor.

#### 5.1.2 Mandatory Summer Study Term

All co-op students are required to complete one full-time (minimum of three courses) during a summer semester. A limited number of courses are offered during the summer time period, so students must plan ahead for their summer study term by leaving <u>enough</u> of these courses for that time. Most summer courses are offered in one of two sessions: May/June and July/August. Due to the increased pace of summer courses, it is typical to take three courses in the first session and two in the second session. The following is a list of courses <u>normally</u> offered during the summer period (there is no guarantee from year to year):

#### May-June:

CS 1073: Introduction to Computer Programming I (in Java)

CS 1083: Introduction to Computer Programming (II) in Java

CS 1103: Data & Information Management

CS2253: Machine Level Programming

CS2263: Systems Software Development

CS2333: Computability and Formal Languages

CS4419: Digital Forensics

STAT2593: Probability and Statistics for Engineers

Selected ECE courses

## **July-August**:

CS 3997: Professional Practice

CS3853: Computer Architecture and Organization

#### **Spanning May-Aug:**

CS4997: Honours Thesis

CS4983: Senior Technical Report

For a complete list of all UNB summer session courses, please visit: https://es.unb.ca/apps/timetable/

#### 5.2 Study Term Evaluation

While academic grades may not be the sole indicator of success, they continue to be a very important factor. It is required, therefore, that undergraduate co-op students maintain a minimum session GPA (calculated on the basis of a four-month study) while MCS & MCSC co-op students maintain a minimum cumulative GPA. Please refer to section 2.2 for exact requirements. A student whose average drops below the minimum academic requirements will normally be suspended from the Co-op Program unless there is strong support from the employer and/or a Co-op Coordinator to keep the student in the Co-op Program. A student cannot apply for jobs while on suspension. Suspensions are lifted as soon as a student is once again performing at the minimum academic standard.

## 5.3 <u>Exemptions</u>

Exemptions or deviations from any of the study term requirements can only be granted with the specific approval of the Co-op Director. Appeals may be made to the Dean of the Faculty of Computer Science.

## 5.4 Working Part-Time

As students are required to keep their grade point average up in order to remain in the Co-op Program, they should carefully consider the advisability of working part-time during study terms. Those who wish or need to work part-time should strive to keep work time to no more than 10 hours per week.

#### 5.5 Dean's List

Co-op students will be subject to the following regulations:

- a.) One work term in the assessment period (May-April) at least 24 credit hours are required.
- b.) Two work terms in the assessment period at least 12 credit hours are required.
- c.) December program completion at least 12 credit hours from September to December 31 are required.
- d.) Second year co-op students with a January work term at least 12 credit hours are required.

#### 6. FINANCIAL

#### 6.1 Student Loans

During Co-op Term(s), students are still eligible to apply for both a Canada Student Loan and a Provincial Student Loan. Please visit the following website for more information: https://www2.gnb.ca/content/gnb/en/services/services\_renderer.200785.Canada\_Student\_Loan\_and\_New\_Brunswick\_Student\_Loan\_\_.html

If you require further information or clarification on your Provincial Student Assistance Program, please contact UNB's Financial Aid Office at (506) 453-4796 or by e-mail at (finaid@unb.ca).

# 2025-2026 Student Loan Borrowers (Co-Op)

Reminder, if you are applying for a Government Student Loan for the upcoming 2025-2026 academic year, please be sure to indicate you are in the Co-Op program (regardless, if you are doing work terms or study terms, it needs to indicate Co-Op program).

If the loan comes in and it is not assessed for the Co-Op program, it will have to be returned to Student Loans and re-assessed for the proper program, which will cause a delay in your loan funding.

If you have any questions, please contact:

Fredericton: studentloan@unb.ca Saint John: unbsj-studentloan@unb.ca

# 6.2 <u>Scholarships and Bursaries at UNB</u>

Students with GPA's above 3.0 should apply for scholarships/awards <u>every</u> year as the minimum GPA for awards will vary somewhat from year to year.

The Undergraduate Awards Office is fully aware of the Co-op Program and will treat Co-op students fairly in all respects. Co-op work terms qualify as eligible terms for scholarship support. Co-op students and students on a professional experience program (PEP) will be considered for Dean's List and scholarships provided at least 12 credit hours have been completed in one study term since their last assessment and have a minimum 3.7 GPA over the courses completed.

## 6.3 <u>Co-op Work Term Fees</u>

A work term fee of \$849.00 is levied for each four-month work term. This fee is payable to UNB's Financial Services at the end of the second month of each four-month work

period. The Co-op fee is not a placement fee. In addition to covering general expenditures (overhead, equipment & staffing), the co-op fee helps cover the following expenses:

- 1. Job and employer development
- 2. Booking co-op job interviews
- 3. Travel/phone costs associated with co-op site visits
- 4. Developing and delivering professional development sessions for students
- 5. Discussing job options and locations

It is the <u>student's responsibility</u> to find out what fees they owe. Co-op students are NOT required to pay a tuition fee, the Technology fee and Building Expansion fee during their work terms. If a student has existing Health Insurance, they are eligible to "opt-out" of UNB's plan with proof of coverage and a completed "UNB Opt-Out form".

<u>International Students</u> with student visas do not qualify for Medicare coverage. Basic health coverage for International Students is provided through an insured Medicare-equivalent plan administered by the University. It is the students' responsibility to contact UNB Financial Services for fees and details of this Medicare-equivalent plan.

#### 7. MISCELLANEOUS

#### 7.1 Living Accommodations and Relocation Costs

Most employers will assist co-op students in locating accommodations in remote areas. It is advisable to discuss this concern with your employer during the interview process. The UNB residence program will consider co-op students for residence during both study and work terms. Residence facilities are also available in the summer term.

Some employers contribute to travel costs between the university and the work location. Travel expenses directly related to the job would normally be assumed by the employer. Moving expenses that are not reimbursed by the employer may be eligible as a tax deduction. Consult Revenue Canada for current eligibility decisions.

# 7.2 <u>Problems or Difficulties during the Work Term</u>

The Co-op Program attempts to offer only positive experience work term placements, but occasionally difficulties may arise. These may include prejudice, sexual or verbal harassment, loneliness, or the feeling of being overwhelmed. Sexual harassment is defined as "unwanted attention of a sexual nature, often with an underlying element of threat or coercion. It can also include sexist remarks or verbal abuse directed towards a person or a gender" (UNB Sexual Harassment Information pamphlet). Students encountering any such problems at the workplace are encouraged to contact a Co-op Coordinator **ASAP** for help to resolve the situation or, if necessary, look for an alternate work placement.

#### 7.3.1 Overtime

Students should expect that some overtime work might be a normal requirement of their job, particularly when dealing with project deadlines. However, unexpected, excessive overtime requirements need to be addressed. The student should bring up the issue of overtime early in the work term, if not during the interview, so that expectations are understood. Typically, regular overtime is covered by time off later, or occasionally by additional payment.

#### 7.4 Time Off Between Terms

Students are reminded that a short break should be taken between the study and work terms. It is not recommended that students go straight from work to study term or vice versa with no rest period in between. The experience of past co-op students would suggest that approximately a 1-week break be taken between terms.

## The Co-op Hiring Process

Within the Faculty of Computer Science Co-operative Education Programs, an information management system, ExperienceUNB, is used by students, employers and the Co-op office to conduct the job competition on-line.

The normal sequence of events leading to the filling of Co-op work term positions is as outlined below:

- (a) The employers submit their job descriptions (see template on page 35) on-line where it is approved by the Co-op office and posted on the Co-op Job Booklet, which is viewed by the eligible co-op students.
- (b) All commitments between "returning" students and employers are finalized <u>before</u> the application day.
- (c) Eligible students follow these steps to view job postings:
  - 1. Under my.unb.ca, click on the ExperienceUNB link on the launch menu and Login with your UNB username and password.
  - 2. At the bottom right of the screen, click on the black circle followed by "Search Postings
  - 3. Choose "Co-op Job Postings" and then "For My Program"
- (d) The Co-op office releases applications to the employers.
- (e) The employer downloads their applications for screening and responds to the Coop office with a "short list" for interviewing and some indication of preferred interview dates, etc.
- (f) The Co-op office establishes the interview schedule, confirms this with the employers, and notifies students by email.
- (g) The employer conducts interviews on campus or on-line and ranks the applicants they are willing to hire in order of preference. An employer may submit different rankings for different positions. The employer agrees <u>NOT</u> to contact the students directly with job offers or information about the rankings; such attempts to circumvent the normal process not only cause problems for many others, they also reflect poorly on the motives and practices of those involved. The existing placement process is intended to serve the best interests of all students and employers, not just a select few.
- (h) Students are informed which employers ranked them and which did not rank them. In this way, a student will not waste a ranking on a job that is not available to them.
- (i) The students will similarly rank the positions (for which they were interviewed) in order of preference. Students should <u>NOT RANK</u> any job that they are not fully prepared to accept. In addition, students agree <u>NOT</u> to attempt to negotiate with the employer outside this process.

- (j) Following the matching process, the co-op office notifies students and employers, by email, of their match result. Once matched with an employer, students **DO NOT PURSUE** any other job possibilities.
- (k) The employer promptly forwards a written letter of offer to the student through the Co-op office. Once the student signs their offer letter, a copy is sent to the employer and a copy is kept on file by the co-op office. No offers are to be made directly to the students earlier in the recruitment/interview cycle.
- (l) Students not matched with an employer will participate in the second-round application process, which operates on a first come first serve basis.
- (m) Students accepted into the Co-op Program must agree to make any full-time work done with a Co-op Employer (before graduation) a Co-op work term.

The approximate timeframe for this process is shown below; the exact dates for any given work term will be set by the coordinator early in the preceding term and the employers and students will be informed.

	FOR WORK	TERM BEGINNING	IN
ACTIVITY	MAY	SEPTEMBER	JANUARY
Job Postings due	January-February	May-June	September-October
Posting available via website	end January	mid May	end September
Returning Commitments Confirmed	end January	end May	end September
Students Submit Applications	early February	end May	early October
Applications downloaded by Employer	early February	end May	early October
Screening	early-mid February	end May/early June	early-mid October
Interviews & Ranking	end February	mid-June	end October
Matching Process	end February	mid-June	end October
Offers and Replies	early March-April	end June	early November- December
"Second Round"	April	mid-June & early August	December
Exam Period			

There is no guarantee that a job will be available for every student or that every position will be filled although every effort will be made to arrange optimum employment opportunities.

UNB FACULTY OF COMPUTER SCIENCE CO-OP JOB DESCRIPTION  EMPLOYER: LOCATION:  JOB TITLE:	Date:
JOB TITLE:  RESPONSIBILITIES & DUTIES:  EMPLOYMENT DATES: From:  DURATION OF TERM:  4 months  8 months  consider 4 or 8 months  EMPLOYER FUNDING OF POSITION(S):  If irm  pending  other  NUMBER OF STUDENTS REQUIRED:  SALARY SCALE:  REQUIRED QUALIFICATIONS:  OTHER DESIRABLE QUALIFICATIONS:  COMMENTS:  ADDRESS APPLICATIONS TO:  Contact Person:  Title:	
EMPLOYMENT DATES: From:	EMPLOYER: LOCATION:
EMPLOYMENT DATES: From:	JOB TITLE:
EMPLOYMENT DATES: From: 20 to: 20	RESPONSIBILITIES & DUTIES:
EMPLOYMENT DATES: From: 20 to: 20	
EMPLOYER FUNDING OF POSITION(S):	
EMPLOYER FUNDING OF POSITION(S):	EMPLOYMENT DATES:         From:         20         to:         20
EMPLOYER FUNDING OF POSITION(S):	DURATION OF TERM: 4 months 8 months consider 4 or 8 months
NUMBER OF STUDENTS REQUIRED:  SALARY SCALE:  REQUIRED QUALIFICATIONS:  OTHER DESIRABLE QUALIFICATIONS:  COMMENTS:  ADDRESS APPLICATIONS TO:  Contact Person: Title:	
SALARY SCALE: REQUIRED QUALIFICATIONS:  OTHER DESIRABLE QUALIFICATIONS:  COMMENTS:  ADDRESS APPLICATIONS TO:  Contact Person:  Title:	
ADDRESS APPLICATIONS TO:  Contact Person:  Title:	·
OTHER DESIRABLE QUALIFICATIONS:  COMMENTS:  ADDRESS APPLICATIONS TO:  Contact Person: Title:	
COMMENTS:  ADDRESS APPLICATIONS TO:  Contact Person: Title:	
COMMENTS:  ADDRESS APPLICATIONS TO:  Contact Person: Title:	
ADDRESS APPLICATIONS TO:  Contact Person: Title:	OTHER DESIRABLE QUALIFICATIONS:
ADDRESS APPLICATIONS TO:  Contact Person: Title:	
ADDRESS APPLICATIONS TO:  Contact Person: Title:	
ADDRESS APPLICATIONS TO:  Contact Person: Title:	COMMENTS:
Contact Person: Title:	
Contact Person: Title:	
	ADDRESS APPLICATIONS TO:
Address:	Contact Person: Title:
	Address:

## Co-op Program Contact People

	<b>PHONE</b>	EMAIL (unb.ca)
Faculty of Computer Science, UNB		cscoop
Dr. Luigi Benedicenti, Dean	458 7276	luigi.benedicenti
Leah Bidlake, Director	452 6166	leah.bidlake
Ms. Patricia Meng, Coordinator	447-3327	pmeng
Cathy Clowater, Coordinator	453-5122	cclowate
Ms. Tricia Canning, Administrator	447-3391	canningt
Fax Number	453-3566	O

Registrar's Office, UNB

Email <a href="mailto:records@footprints.its.unb.ca">records@footprints.its.unb.ca</a> to answer your questions

Financial Services, UNB

Ms. Alexandra Ferris, Comptroller 453- 4619 ali.ferris

<u>Undergraduate Awards - Registrar's Office UNB</u> Email <u>awards@unb.ca</u> to answer your questions

Financial Aid Office, UNB

C.C. Jones Student Services Centre 453-4796 finaid@unb.ca

Medicare, Dept. of Health & Community Services

Local (Fredericton only) 453-2577

Non-Local (outside of Fredericton & NB) 1-800-667-5626

UNB Career Development & Employment Service

Ms. Anita Connolly, Director 453-4620 anita.connolly

Web Address www.cs.unb.ca/co-op

Mailing Addresses:

University of New Brunswick Faculty of Computer Science 550 Windsor Street, ITC Building Fredericton, New Brunswick E3B 5A3

Fax: 506.453.3566

# **Co-op Rules: Undergraduate Students**

- 1. I understand that by ranking my co-op interviews I am committing myself to taking any job(s) that I rank. Therefore, I will **NOT** rank any job that I am not fully prepared to accept.
- 2. I **will not** pursue another co-op job once I have been matched to a co-op job for each work term.
- 3. I understand that I am not permitted to enroll in any courses during my first work term. For subsequent work terms, I may be permitted to take one course, provided it is approved by both my employer and a Co-op Coordinator. The course may be offered online or held in person during evenings or weekends.
- 4. I understand that I am required to complete one full-time (minimum of three courses) summer study term (May through August) and 4 four-month work terms to remain in the Co-op Program and earn the co-operative education designation on my official transcript.
- 5. The Co-op Program has been instrumental in finding this work opportunity. Therefore, I understand that any future full-time work experience with this Employer (while a student at UNB) must be registered as a formal Co-op work term.
- 6. I understand that after each work term, including my last work term, I must return to school to complete at least one full time study term (minimum of three required courses for my degree program).
- 7. I understand that if I am scheduled for an 8-month work term, to complete my final two work terms for the co-op designation, I am expected to remain with the same employer for the full duration, including the second 4-month term. If my employer is unable to extend my position to complete the 8-month requirement, I am responsible for actively seeking a new placement to meet this requirement. Failure to secure or commit to another qualifying work term will result in a grade of NCR for the previous term. (For example, if I complete a summer work term but do not accept an extension or actively pursue a fall placement, I will receive an NCR for the summer term.)

I understand I will be removed from the Co-op Program if I do not abide by these rules. A copy will be kept on file.

# **Co-op Rules: Graduate Students (MCS & MCSC)**

- 1. I understand that by ranking my co-op interviews I am committing myself to taking any job(s) that I rank. Therefore, I will NOT rank any job that I am not fully prepared to accept.
- 2. I will not pursue any other co-op jobs once I have been matched to a co-op job for each work term.
- 3. I understand that I am not permitted to enroll in any courses during my first work term. During my second work term, I may be allowed to take one course outside of work hours, with approval from the Co-op Coordinator, the Director of Graduate Studies, and my employer.
- 4. I understand that I am required to complete 2 four-month work terms to earn the co-operative education designation on my official transcript. If I am scheduled for an 8-month work term to fulfill my co-op program requirements, I am expected to remain with the same employer for the full duration, including the second 4-month term. If my employer is unable to extend my position to complete the 8-month requirement, I am responsible for actively seeking a new placement to meet this requirement. Failure to secure or commit to another qualifying work term will result in a grade of NCR for the previous term. (For example, if I complete a summer work term but do not accept an extension or actively pursue a fall placement, I will receive an NCR for the summer term.)
- 5. I understand that any future full-time work with a Co-op Employer (before graduation) will be registered as a co-op work term.
- 6. I understand that after my last work term, I must return to school to complete at least one full time study term (minimum of three required courses).
- 7. The Co-op Program has been instrumental in finding this work opportunity. Therefore, I understand that any future full-time work experience with this Employer (while a student at UNB) must be registered as a formal co-op work term.

I understand I will be removed from the Co-op/PEP Program if I do not abide by these rules. A copy will be kept on file.

## **SMART Goal Setting Strategy**

SMART goals use a specific set of criteria to help ensure that objectives are clearly defined and attainable within a certain timeframe. SMART is an acronym that stands for Specific, Measurable, Achievable, Realistic, and Timely:

- **Specific** *Who? What? Where? When? Why?*
- Measurable How many? How much? How will I measure progress?
- Attainable Can this really happen? What steps are involved?
- **Realistic** What knowledge, skills and abilities are necessary to reach this goal?
- Timely *What are the deadlines?*

## Example of a SMART goal:

By the end of this work term, I hope to improve my teamwork skills.

## **Steps to Achieve Goal (with timeframe)**

- 1. Meet all the people I will be working closely with throughout my work term. (week 1)
- 2. Become familiar with the roles that each team member plays during the development/testing process (week 2)
- 3. Discover my best fit within the team (learn what tasks would be best suited for me to help the team move forward). (week 3)
- 4. Communicate with other members of the team and discover which members would know how to help me the most if I ever run into any problems during the testing process. (week 4)
- 5. Establish a strong bond with the whole team to better myself and then perform my duties to the best of my ability. (until end of work term)

## How I will Measure the success of my Goal

I will be successful with this goal if I strongly interact with every person on my team and not be scared to ask questions and voice my concerns. My success depends on my ability to effectively coordinate myself with everyone on the team to complete my tasks in a timely and efficient manner.

# **Work Term Goals Template**

Student Name:
Employer Name:
Supervisor Name:
Supervisor Signature:

Work Term	(state your goal in a complete sentence)
Goal 1:	
Steps to Achieve	
Goal 1:	
How will you	
Measure the	
<b>Success of Goal</b>	
1:	
Work term Goal	(state your goal in a complete sentence)
2:	( The state of the
Steps to Achieve	
Goal 2:	
How will you	
Measure the	
Success of Goal	
2:	
∠.	



# Co-op Student Work Term Performance Evaluation

Student:	Date:	
Employer:	Location:	
Start of term:	End of term: _	

The evaluation process is instrumental to a student's personal and career development. Students appreciate an assessment of job performance and welcome constructive feedback. Thank you for taking the time to complete this evaluation and discussing it with your student.

#### SUPERVISOR'S GUIDELINES FOR COMPLETION

The *Co-op Student Evaluation Form* outlines standards of job performance, complete with descriptions of each possible rating. Consider your students current degree of performance in each area of work and evaluate accordingly. Mark the box corresponding with the rating you feel best represents your student's performance.

**End of Term Evaluation:** The submission of this completed evaluation form is required for the successful completion of the work term Please fill out this form near the end of the student's work term, and:

- Discuss the overall evaluation with your student
- Attempt to provide concrete examples of work-related performance in each category during review discussion
- Provide the student with an opportunity to have a discussion with you about each performance rating
- This evaluation will become a part of the student's work term record automatically upon completion. Please feel free to print a copy for your records

INTEREST IN WORK: responsibilities are performed with diligence and enthusiasm	
High interest, very enthusiastic, average amount of takes pride in doing work well  More than amount of interest and enthusiasm work well  Little interest or enthusiasm shown and enthusiasm	
INITATIVE/PRO-ACTIVITY: the ability to perceive and carry out required tasks without supervision and to anticipa the organization's needs	te
Self-starter, and asks for additional work  Displays initiative consistently routine situations must be told frequently what to do	
PLANNING AND ORGANIZING: the ability to manage time effectively so as to complete assigned task and meet deadlines	
Does an outstanding job of planning and organizing work and time effectively  Plans and organizing work and time effectively	
SETTING GOALS: Identified areas to improve and established measurable steps and timeframe to achieve results	
Developed goals for the work term early and made excellent progress in working towards them  Developed goals for the work term effort early in the term to set goals; demonstrated no follow-up activity them  Showed minimal effort early in the the student set goals for the term	
ADAPTABILITY: a positive attitude towards change and a the ability to change easily to fit different conditions	
Does an outstanding job of outstanding job of managing assignments, setting priorities and adapt to change in adapting to change of adapting to change outstanding in adapting to change outstanding job of managing assignments, setting priorities and adapting to change outstanding job of to set priorities and adapt to changes in the work environment outstanding job of to set priorities and adapt to changes in the work environment outstanding job of to set priorities and adapt to change outstanding job of to set priorities and adapt to change outstanding job of to set priorities and adapt to change outstanding job of to set priorities and adapt to change outstanding job of to set priorities and adapt to change outstanding job of to set priorities and adapt to change outstanding job of to set priorities and adapt to change outstanding job of to set priorities and adapt to change outstanding job of to set priorities and adapt to change outstanding job of to set priorities and adapt to change outstanding job of to set priorities and adapt to change outstanding job of to set priorities and adapt to change outstanding job of to set priorities and adapt to change outstanding job of to set priorities and adapt to change outstanding job of the work outs	
Comments:	
	-

precision of duties per	formed		
Usually thorough, good work with Few errors	Work usually passes review and has acceptable number of errors	Has an unacceptable number of errors for a student	☐ Not Evaluated
RODUCTIVITY: the abili	ty to produce the desire	ed results	
Very good amount of productivity	Satisfactory productivity	Less work than expected without good reason	Not Evaluated
to identify and suggest	new ideas to get the jo	b done	
Frequently offers new ideas; imaginative	Has average imagination and a reasonable number of new ideas.	Rarely offers new ideas: limited imagination	Not Evaluated
of results, advantages	and disadvantages		
Work shows very good balance between practical and theoretical	Work shows satisfactory balance between practical and theoretical	Student has trouble using related theory or in seeing important practical issues	Not Evaluated
v to think critically and	logically to evaluate situ	uations, solve problems	and make decisions
Usually makes good decisions	Decisions are satisfactory in routine situations	Decisions often based on inadequate analysis of the situation	Not Evaluated
	Usually thorough, good work with Few errors  RODUCTIVITY: the abili Very good amount of productivity  to identify and suggest Frequently offers new ideas; imaginative  of results, advantages Work shows very good balance between practical and theoretical  / to think critically and Usually makes	good work with Few errors  passes review and has acceptable number of errors  RODUCTIVITY: the ability to produce the desired state of the productivity  Satisfactory productivity  to identify and suggest new ideas to get the journ of productivity  to identify and suggest new ideas to get the journ of magination and a reasonable number of new ideas.  of results, advantages and disadvantages  Work shows very good balance between practical and theoretical and theoretical  / to think critically and logically to evaluate site of productivity  productivity  to identify and suggest new ideas to get the journ of magination and a reasonable number of new ideas.	Usually thorough, good work with Few errors    Work usually passes review and has acceptable number of errors for a student    RODUCTIVITY: the ability to produce the desired results   Very good amount of productivity   Satisfactory productivity   Exess work than expected without good reason    Frequently offers   Has average imagination and a reasonable number of new ideas: limited imagination   Imagination     Work shows very good balance between practical and theoretical   and theoretical   and theoretical   and theoretical     Very good   Satisfactory   Less work than expected without good reason    Rarely offers new ideas: limited imagination     Student has trouble using related theory or in seeing important practical issues    Very good   Satisfactory   Satisfactory balance   Student has trouble using related theory or in seeing important practical issues    Very good   Satisfactory balance   Student has trouble using related theory or in seeing important practical issues    Very good   Satisfactory balance   Student has trouble using related theory or in seeing important practical issues    Very good   Satisfactory   Satisfactory or in seeing important practical issues    Very good   Satisfactory in   Decisions often based on inadequate analysis of the

PROBLEM SOLVING SKILLS: ability to reach a solution				
Highly adept and	Adept at solving	Satisfactory	Exhibits	☐ Not Evaluated
innovative	problems	problem-solving	inadequate problem-	
		abilities	solving abilities	
DEPENDABILITY/RESPO	ONSIBILITY: the account	ability for actions taken	ı	
Reliable in any	Reliable in most	Reliable in routine	Unreliable:	Not Evaluated
situation	situations	situations	requires close	
			supervision	
				1
individual differences	ty to get along with and	help others, to recogniz	ze and respect people's	diversity and
Always works in	Congenial and	Relations with	Frequently	Not Evaluated
harmony with others.	helpful, works well	others are	quarrelsome, cause's	
Is an excellent team	with associates. Seen	harmonious under	friction.	
worker and	as an asset in	normal	Uncommunicative	
contributes to group	furthering co-	circumstances	and withdrawn to the	
relationships and	operation and group		point of having an	
effectiveness	harmony		adverse effect on	
	,		group	
			1 0	L
SELF-ASSUREDESS: the	ability to express ideas	and thought directly ar	nd honestly without offe	ending or being
inconsiderate to the o	ther party			
Always polished,	Often	☐ Has difficulty	Never	■ Not Evaluated
confident and	demonstrates	demonstrating	demonstrates	
considerate presence	confidence and	confidence and	confidence and	
within the workplace	consideration when	consideration when	consideration when	
	presenting	presenting	presenting	
	themselves within	themselves within	themselves within	
	the workplace	the workplace	the workplace	
RESPONSE TO FEEDBA	CK: ability to take sugge	stions and feedback		
Responds	Willingly accepts	Accepts	Often responds	Not Evaluated
maturely and	suggestions and	suggestions and	negatively to	
positively to	feedback from	feedback from	suggestions and	
suggestions and	supervisor	supervisor in a	feedback from	
feedback from		satisfactory manner	supervisor	
supervisor. Very				
open minded				
Comments:				

COMMUNICATION – WRITTEN: effective reading and writing (Including Work Reports, If Applicable)					
Exceptionally clear, well organized and concise	Clear, organized and concise	Satisfactory writing skills	Inadequate skills	Not Evaluated	
COMMUNICATION - O	RAL: effective speaking	and listening			
Exceptional communication; clear, well organized and easily understood	Clear and understandable	Satisfactory communication	Inadequate communication	☐ Not Evaluated	
LEADERSHIP OUTLIER	Called the Profession and a	1. 11.	4		
Excellent ability to motivate and direct	S: the belief in ones' ow Frequently demonstrates the	Sometimes demonstrates the	Presently lacks ability to motivate	Not Evaluated	
others	ability to motivate and direct others	ability to motivate and direct others	and direct others		
ADAPTABILITY AND RE	SOURCEFULNESS: a pos	sitive attitude towards o	change and the ability to	change easily to fit	
difference conditions		·	T.	T	
Easily adapts to change and makes excellent use of available resources to solve problems	Adapts well to change and makes good use of available resources to solve problems	Satisfactory adaption to change, but does not always use available resources	Adapts poorly to change and does not use available resources	☐ Not Evaluated	
Comments:					

-	Additional Supervisor's Comments  Comment on the student's overall job performance including things such as attendance and personal presentation. Please provide suggestions for additional academic or work exposure.
_ _ OV	ERALL PERFORMANCE EVALUATON
	Outstanding (Exceptional performance or unique contribution. This rating is <b>reserved for only those few students</b> who have distinguished themselves by their unique contribution or exceptional performance. Your written comments are required below in order to register the rating of Outstanding).
	Excellent (Exceeded job requirements in all areas)
	Very good (Exceeded job requirements in one or more key areas)
	Good (Met all job requirements)
	Satisfactory (Need for improvement identified in one or more key areas)
	Marginal (Needs improvement in many key areas)
	Unsatisfactory (Needs improvement in many key areas)

#### The Cover Letter

Your resume must be accompanied by a covering letter when applying for Co-op jobs. The purpose of such a letter is to formally introduce yourself to the prospective employer and to interest them in reviewing your resume.

An effective cover letter is one which includes the following:

- reference to the job or type of position for which you are applying
- demonstrates how aspects of your education, work experience, skills, abilities, interest and knowledge qualify you for the position
- shows evidence of your knowledge of the company (this shows the employer you are enthusiastic about their job, and you have taken the time to learn more about their organization)
- closes with a request to discuss your qualifications during an interview

A good cover letter takes time to produce and should be only one page in length. It is essential that you take the time to make each one as effective as possible.

Paula Manning

February 8, 2008

Mr. John Turner Manager ABC Company 12 George Street Fredericton, NB E3B 1K1

Leave 1 blank line

Dear Mr. Turner:

Leave 1 blank line above and below the salutation

In the 1<sup>st</sup> paragraph, identify the position you are applying for  $\square$  I am writing in response to your request for a Co-op student (*Junior Programmer*, etc.) as advertised . . ..

In the next paragraph or two, describe why you are interested in the position, what qualifications you have that pertain to the position, and any additional skills you feel make you a good candidate. Use key words from the job description.

The closing paragraph should be brief. Thank them for considering you as an applicant

Thank you for your consideration. I look forward to discussing my qualifications with you during an interview.

Yours truly,

Paula Manning

Attached: Resume Transcript

#### The Resume

The basic aim of your resume is to get interviews with employers. The following basic principles of resume writing will help create an effective resume.

- 1. **Keep it brief:** Your resume is an overview of your qualifications not your life story. Busy employers do not have time to read lengthy resumes. One to two pages is the standard for a resume, make every word count.
- **2. Format:** Use reverse chronological (latest first) order to list your education and work experience. Always include: NAME, EDUCATION, WORK EXPERIENCE, SKILLS (technical and non-technical), RELEVANT COURSE OR PROJECT WORK, VOLUNTEER WORK, PERSONAL INTERESTAND HOBBIES AND AWARDS.
- 3. You want your resume to create a positive first impression. To achieve this, it must look professional:
  - a. Use a reverse chronological format
  - b. Keep to 1 to 2 pages
  - c. Clean layout, section headings stand out
  - d. Consistent font size and type (10 12 pt.)
  - e. Keep it neat, logical and professional
  - f. Contain no typing or spelling mistakes
  - g. Contain no attention-getting gimmicks
- **4. Describing your Work Experience:** Use bullets to list your accomplishments and results for each job you add to your resume. Listed below are examples of the wrong way and correct way to describe your work experience:

# **Poor Experience Description**

- Intermediate Programmer
  - I programmed software.
  - I tested software.
  - I debugged software.
  - I worked in a team.
  - I trained new grad hires to program and test software.

# **Good Experience Description**

- Independently programmed award-winning educational software using C++
- Developed innovative quality assurance and software testing plans. Product shipped with 15 percent less customer support calls than previous versions
- Carefully analyzed critical support calls and efficiently resolved customer issues.
- Confidently led a team of three junior programmers who exceeded department goals and received promotions.

#### 5. Resume Skills Defined:

- **Personal qualities** like personality traits. How you naturally do things.
- <u>Personal skills</u> developed from education, work, hobby, social and other life experiences. Can be applied in many settings and contexts. Unique to each person
- <u>Transferable skills</u> necessary for any role and can be transferred across diverse work opportunities

Personal Qualities	Personal Skills	Transferable Skills
WHO	HOW	WHAT
accurate, attentive, careful, confident, consistent, dedicated, dependable, honest, optimistic	Flexible, learn quickly, organized, energetic, efficient, punctual, precise, resourceful	Manage change, communicate effectively, self-motivated, demonstrate leadership, get results, team player, plan and organize.

#### Skills Employers Look For

- Communication written and oral combined with good listening skills
- Flexible and Adaptable positively deals with changing circumstances
- Self-Starter do not wait to be told what to do
- Problem Solver can analyze issues and propose effective solutions
- **Honest** own up to your mistakes, everyone makes them
- Team player being able to work well with others
- Enthusiastic eager to get involved and contribute
- Dependable consistently meets or exceeds expectations

#### **Resume Checklist**

- Are there any typing, spelling or grammar errors?
- Can the average reader understand what I am saying?
- Is my writing style simple, direct, and as powerful as possible?
- Are paragraphs short and to the point?
- Have I eliminated redundancies and similar examples?
- Are my accomplishments clearly highlighted?
- Is the layout simple, professional and attractive?
- Is Work Experience and Education documented in reverse chronological order?
- Have personal and transferable skills been highlighted?

## Common resume writing mistakes

- 1. Too long (preferred length is two pages)
- 2. Disorganized: information is scattered around the page hard to follow.
- 3. Over written: long paragraph and sentences takes too long to say too little.
- 4. Not results oriented: does not include employment related accomplishments.
- 5. Included personal information: height, weight, sex, health and marital status are not needed on today's resume.
- 6. Misspellings, typographical errors and poor grammar: resumes should be carefully proofread before they are submitted
- 7. Too fancy: fancy typeset, images, too many lines or borders can be distracting.

If you are having any problems creating your resume, please consult your Co-op Staff

# **Resume Adjectives and Action Verbs**

The following is a sampling of adjectives and action verbs, which may help you in describing your personality and accomplishments.

### **ADJECTIVES:**

accurate dynamic original effective active patient adaptable efficient perceptive analytical energetic practical artistic flexible professional forceful calm progressive capable helpful productive competent punctual humorous confident reliable imaginative conscientious independent resourceful creative industrious responsible skillful critical innovative dependable insightful successful determined logical supportive diligent methodical thorough versatile diplomatic organized

#### **ACTION VERBS:**

TICTION VERDO.			
achieved	constructed	estimated	installed
adapted	contrasted	evaluated	instituted
adjusted	coordinated	examined	instructed
administered	corresponded	expanded	introduced
advised	counseled	expedited	invented
altered	created	expressed	investigated
analyzed	critiqued	facilitated	itemized
appraised	defined	finalized	launched
assembled	delegated	forecasted	lead
assisted	delivered	formulated	learned
audited	demonstrated	founded	lectured
budgeted	described	generated	liaised
built	designed	guided	maintained
calculated	determined	identified	marked
calibrated	developed	illustrated	measured
categorized	devised	implemented	mediated
collected	directed	improved	minimized
communicated	displayed	incorporated	modeled
compiled	documented	increased	modernized
composed	edited	influenced	modified
computed	eliminated	informed	monitored
conducted	enhanced	initiated	motivated
configured	established	inspected	negotiated

observed reviewed supervised projected obtained promoted revised supplied operated proposed scheduled taught ordered recommended searched tested organized reconciled secured trained recorded transformed oriented selected oversaw redesigned separated translated performed reduce served troubleshot persuaded referred set up tutored simplified planned reorganized uncovered sketched predicted repaired updated sold upgraded prepared reported presented represented solved utilized researched verified processed started produced resolved studied weighed programmed restored summarized wrote

# **Resume Template**

# Full Name UNB Faculty of Computer Science

# **Co-op Program**

(DO NOT include your contact info)

## **Education:**

September 2018 – Present your current degree program

Fredericton, New Brunswick

Dates your high school or previous college/university before enrolling

in the Faculty of Computer Science

## **Work Experience:**

(Starting with most recent job)

Dates of employment here state the employer and location (i.e. city or town)

State your position here...

• Using 2 or 3 bullets describe what your accomplishments were, in short sentences, so the employer can read them quickly and get a sense of what skills you gained on the job

# **Volunteer Experience:**

Using the same format as above, describe your volunteer experience (if applicable)

## **School Experience:**

January – April 2020

INFO 1103 – Data & Information Management (if you are not taking INFO 1103 during your first year, use CS 1083 instead)

Topics include:

• *List 3 or 4 topics covered in the course* 

## **Personal Projects:**

These are projects that a student does in their spare time that are related to information technology. Something that really catches an employer's attention are the projects the students work on outside of what they are required to do for their degree. Apps for iPhone or Android devices are a great way for students to showcase their talents since the technology is hot right now and it's easy to bring to an interview. On the other hand, if interested in web design they might install a WAMP server on their PC and build some customized content they can show off in person or even publish online. The actual content you create is less important than the skills gained by understanding, putting together, and customizing your local environment in this example. Additionally, if you have a GitHub account showcasing your personal project work, please include the link in your resume

## **Skills:**

Please include the skills you are currently learning in class

Languages: for example: Java, JavaScript, C, Python, SQL, HTML5, CSS

**Developer Tools**: for example: Postman, Git, Docker, Jira

Libraries/Frameworks: for example: Spring Boot, Play, Flask, React JS, KnockoutJS, PostgreSQL,

MySQL, SQLite, Bootstrap

# **Hobbies and Extra Curricular Activities:**

Using bullets, list the activities you enjoy doing on your own and with other people

## Awards:

Using bullets, list your university scholarships and Dean's Lists achievements

#### **Interview Techniques**

#### Preparing for the Interview.

A job interview is a stressful experience. It is possible, however, to overcome the anxiety of an interview by following general guidelines. Preparation is the key to success:

- *Know the company/organization* know a little bit about the organization that is interviewing you. You will have the opportunity to ask some questions during the interview so prepare some ahead of time (in writing) and bring them with you to the interview. Having some knowledge of the company will impress the interviewers and make for better questions. A good start is to read the company's website.
- *Know the position you are applying for* -review the job description before the interview. Talk to the Coordinator, senior Co-op students or someone you know who is working in a similar field. Gain as much knowledge as you can about the position before you go to the interview.
- *Review your application documents before each interview* read over your resume and cover letter; anything you mention in these documents can be questioned during an interview.
- *-Prepare your references* bring a reference list with you to the interview. For each reference (at least two) indicate their title and contact information (phone # and email)
- -Finally, book a mock interview with the co-op office before your actual interview during a mock interview you will be asked to answer some questions from the list below and receive feedback on your answers.

#### Typical Interview Questions

Answering questions in an interview is the toughest part of getting a job. However, if you know what the interviewers want to hear, then you should have no trouble answering the questions. The following are some examples of questions you will likely hear in an interview. If you practice answering these questions to yourself or to a Coordinator in a mock-interview, you will gain the confidence you need to do well during the real thing:

- 1. Tell me about yourself and why did you choose this degree program.
- 2. Why did you apply for this position?
- 3. What do you expect to get out of this work term?
- 4. What do you know about our organization?
- 5. What skills do you have that make you a good fit for our position?
- 6. What did you dislike about your last job?
- 7. What is your greatest strength/weakness?
- 8. Give us an example of your leadership skills.
- 9. Tell me about a time when you took the initiative
- 10. Describe a time you worked in a team and what your role was.

- 11. What do you do in your spare time?
- 12. What motivates you to do a good job?
- 13. What are your biggest accomplishments?
- 14. Tell me about a time when you failed or were not successful. What did you learn from this experience?
- 15. Do you have any questions for me?
- 16. Tell me about an interesting project/assignment you worked on recently.
- 17. Tell me about a time you had to handle a stressful situation.
- 18. What is your dream job?
- 19. Have you ever learned new software on your own? What steps, activities did you do to learn the software?
- 20. Give me an example of a time when you successfully communicated something complex to another person? How did you do so and what was the message?

#### **Important Interview Tips:**

- 1. Arrive 10 minutes early, take a seat and wait for the interviewer to greet you
- 2. Do your homework
- 3. Bring a spare copy of your resume, a list of references (2-3) and your questions
- 4. If your interview is on-line, check your technology well before the interview, be sure you are using a camera, prepare your surroundings and avoid interruptions
- 5.
- 6. Watch your non-verbal communication
- 7. Don't be embarrassed by your nervousness
- 8. Don't play comedian
- 9. Convey enthusiasm for the position
- 10. Follow the interviewer's lead
- 11. Don't be negative
- 12. Don't be afraid to think before you speak. Use examples when answering questions
- 13. Emphasize your transferable skills
- 14. Never speak badly about a former employer
- 15. Watch your grammar and manners
- 16. Be prepared to ask questions
- 17. Thank the interviewer for the interview

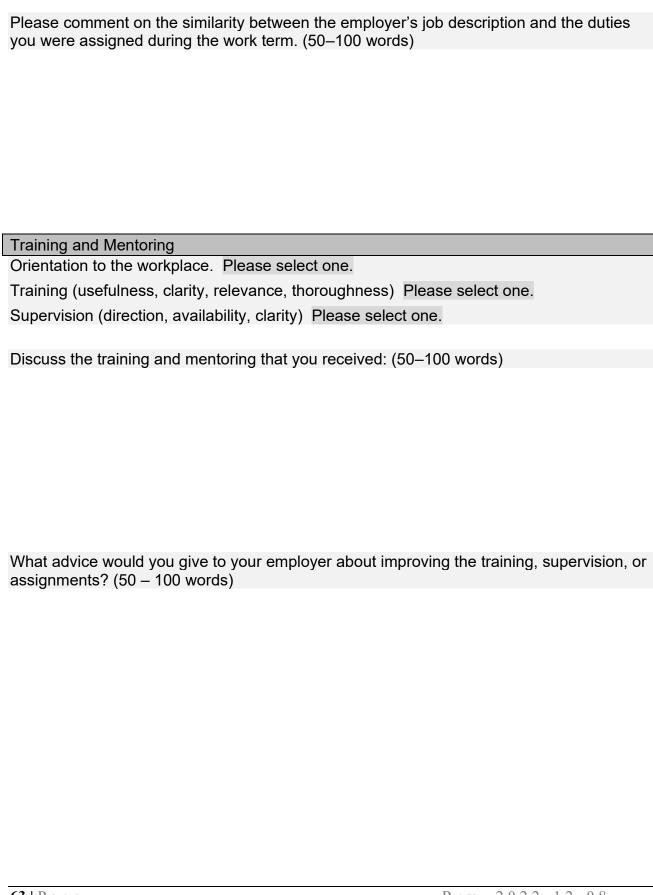


# Faculty of Computer Science Co-op Program Student Evaluation Report

Your Name: Your Job Title: Your Department: Name of Supervisor: Supervisor's Title: Salary (amount/hour): Hours per week:

### **Duties and Responsibilities**

Describe what your roles and responsibilities were for this work term. (150-200 words)





Describe both the technical and soft skills that you acquired during this work term. (150 – 200 words)

# Overall Job Evaluation

How would you rate this position overall? Please select one.

Comments: (50-100 words)

# Self-Evaluation

Overall Performance Please select one.

Comments: (50-100 words)

## Student's Comments on Final Employer Evaluation

What was your overall performance evaluation from your supervisor on the Final Employer Evaluation form? Please select one.

Based on your Final Employer Evaluation, do you feel your employer evaluated you accurately? (50-100 words)

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You are welcome to comment on your experience with the Faculty of Computer Science Co-op Program.

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