



Clinical Documentation Improvement Specialist

Detailed Program Curriculum

Program Description

A Certified Clinical Documentation Improvement (CDI) Specialist performs detailed chart analysis to identify areas within clinical documentation that need further review or improvement. CDI Specialists act as liaisons and collaborate with coding teams and physicians to ensure that clinical documentation translates into coded data accurately. CDI Specialists will also educate by building training resources and tools to support the coding and clinical teams. CDI Specialists help medical staff better care for their patients by handling and optimizing patient records. CDI Specialists prepare written reports, discover positive and negative patterns in documentation processes using metrics, and make suggestions for improvement.

The program provides focused training in the principles of clinical documentation improvement. This includes documentation requirements, quality measures, payment methodologies, and clinical conditions, including anatomy, physiology, pathophysiology, evaluative procedures, and interventional treatment. Code selection and query opportunities for disease processes and disorders are covered in detail, encompassing specificities. Upon successfully completing this program, students will be eligible to take the National Certification Exam (NCE). To receive certification and the professional designation of CCDIS, the student must pass the National Certification Examination (NCE).

Program Outcomes

Upon successful completion of the Clinical Documentation Improvement Specialist Program, the student will be able to:

- successfully define the role and purpose of Clinical Documentation Improvement in the medical industry,
- efficiently summarize criteria for high-quality clinical documentation and identifying query opportunities,
- identify deficiencies in documentation, identify opportunities for document improvement, demonstrate what constitutes a leading query, and how a query response is documented per facility policy and procedures,
- identify when provider education is necessary, how documentation affects various measures, and how to collaborate with stakeholders to affect change in documentation,
- define coding, explain the use of coded data, explain the coding process, and demonstrate how coding is completed,
- define DAD, NRCS, abstracting, encounter, lead term, and secondary term,
- explain why ICD-10-CA is needed when an international version of WHO is available, an overview of what is coming in ICD-11-CA, as well as when ICD-10-CA and CCI coding standards are updated and where to find official information on changes and summarize Canadian coding standards,
- summarize the structure of ICD-10 chapters, blocks, categories, and subcategories, as well as the structure of CCI,
- describe Best Practice guidelines and terminology with definitions applicable to CDI,
- examine the various grouping and case weighting methodologies used in Canada,
- describe the major clinical categories and name factors used in HIG (Ontario) methodology,
- describe how inconsistency/variations in medical/clinical terminology are captured using consistent ICD-10 CA alphanumeric codes and code complications of procedures that occur within 30 days,
- identify the CIHI convention of diagnoses,
- describe the cause-and-effect relationship between two different diagnoses and their diagnosis type,
- describe why flagged interventions are mandatory to code, define the principal code assignment for interventions, and determine the MRDx when documentation is unclear, or multiple diagnoses are listed,
- recognize coding resources and software,
- explain CMG+ methodology by CIHI resources,
- demonstrate the ability to use case mix tools, and use reference resources to assign codes,
- describe the anatomy and physiology, clinical pathophysiology, diagnosis through the evaluation process and treatment through the intervention process of all diseases and disorders identified throughout this program,
- describe CDI query opportunities and summarize code assignment of Diseases and Disorders identified throughout this program
- identify the CDI program requirements and lifecycle, as well as recognize and implement CDI metrics,
- recognize the use of metrics, reporting tools, tracking, and analysis of pre-and post-CDI MDRx changes and resource intensity weights,

- describe how to track and analyze query content, the volume of queries, and response rates,
- compare different software programs that can be used for tracking,
- describe different programs available for use for dashboard metrics and benchmarking for physician engagement and hospital harm rates,
- recognize the different scorecards available for use,
- create a professional resume, cover letter, and identify effective interview techniques,
- develop strategies for targeted job searching,
- describe effective interview techniques,
- recognize how to produce a professional invoice, and
- identify techniques, resources, and strategies for studying for their final program exam and the CHIMA NCE accreditation exam.

Prerequisites

Applicants must complete:

- the distance learning assessment (for distance learning students)
- the English and Grammar test with a minimum of 85%

Applicants must fulfill one of the following requirements:

- a minimum of 3-years of experience working as a nurse, physician, or other regulated health professional in a hospital or clinical environment,
- a minimum of 3-years of experience working as a Health Information Management professional with a background in coding, or
- a minimum of 3-years of experience working as a coder with knowledge in anatomy, physiology, pathophysiology, pharmacology, and medical terminology.

Instructors and Educational Assistants

All instructors and educational assistants employed by CanScribe Career College are highly qualified and bring a wealth of knowledge and experience. They are dedicated to assisting every student through the program. Students will complete the program individually, self-paced, and online. Students will be provided with support from our instructor, student services, and IT departments.

Reference Materials

The following reference material is required for the program and will be used for all courses, activities, and tests throughout the program, except where referenced separately. Comparable replacements may be substituted at CanScribe's discretion.

The ACDIS (Association of Clinical Documentation Improvement Specialists) Student package (student membership and access to ACDIS Pro ebook) is provided to students and will be used for all courses, activities, and tests throughout the program, except where referenced separately. Comparable replacements may be substituted at CanScribe's discretion.

Upon graduation, if a student chooses to write the CCDIS national certification through CHIMA, the student is required to obtain a CHIMA membership to receive the NCE Primer(Certification Study guide) and apply to write the examination. It is recommended to students to apply for the CHIMA membership, prior to graduation, to receive the Student Membership fee.

Computer Requirements

A computer is required for the entire program. Computer requirements are as follows:

- Access to high-speed internet
 - Minimum download speed of 15 megabits per second
 - Minimum upload speed of 5 megabits per second
- A minimum of 8 gigabytes of RAM (Random Access Memory)
- For Windows Operating Systems:
 - Windows 10 or newer
 - Google Chrome or Firefox
- For Mac:
 - Mac OS X Yosemite or newer
 - Google Chrome, Firefox, or Safari

Method of Evaluation

1. **Case Studies** **15%**
Students must meet the benchmark score of 80% on all case study activities. Case study activities are weighted equally, combined, and averaged for a final grade.
2. **Course Tests** **45%**
Students must meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.
3. **Final Exam** **40%**
Students must meet the benchmark score of 80% on the final exam. The final exam is a cumulative assessment of all program materials from the beginning to the end of the program. The final exam will be comprised of questions from every course of the program except Introduction and Professional and Certification Preparation which are ungraded.

TOTAL 100%

Graduation Requirements

To meet the **graduation requirements** for the Clinical Documentation Improvement Specialist program, the student must have achieved an 80% or higher (B+) to pass. The following table denotes CanScribe's Final Grade Percentages:

A+	95 – 100%	Dean's List
A	90 – 94%	High Honors
A-	85 - 89%	Honors
B+	80 – 84%	Merit
B	75 – 79%	
B-	70 – 74%	
C+	65 – 69%	
C	60 – 64%	
C-	55 – 59%	
D	50 – 54%	
F	Below 50%	

Upon registration, the student will have access to an online grade book in their online program platform. This tool is for the student to access their grades throughout the program.

Timeline

Upon registration, each student is provided with a personalized timeline, including completion dates, to guide and assist with the program's time management. Students proceed at their own pace to complete the program in a minimum of 1.25 months (35 days). This program's completion time depends on previous knowledge in the Clinical, Coding, Clinical Documentation Improvement (CDI) experience and overall study practices. Students will be allotted a 4-month timeframe to complete this program and prepare for the CHIMA accreditation examination. If a student cannot complete their program in the 4-month timeframe, they may purchase a 1–3-month extension. An example of the basic timeline is as follows:

CDI Program Timeline

COURSE	ESTIMATED # HOURS TO COMPLETE	ESTIMATED # OF DAYS TO COMPLETE
Introduction	2	1
Understanding the CDI Field	4	1
Introduction to Coding	4	1
Diseases and Disorders of the Nervous System	7	2

Diseases and Disorders of the Respiratory System	7	2
Diseases and Disorders of the Circulatory System	7	2
Diseases and Disorders of the Digestive System	7	2
Diseases and Disorders of the Hepatobiliary System	5	2
Diseases and Disorders of the Musculoskeletal System, Connective Tissue, Skin, Subcutaneous Tissue, and Breast	8	3
Diseases and Disorders of the Endocrine System, Nutrition, and Metabolism	4	2
Milestone 1		
Diseases and Disorders of the Kidneys and Urinary Tract	4	2
Diseases and Disorders of the Male and Female Reproductive System	4	1
Pregnancy and Delivery	4	1
Newborns and Neonates with Conditions Originating in the Perinatal Period	4	1
Diseases and Disorders of the Blood and Lymphatic System	4	2
Multi-System or Unspecified Site Infections	6	2
Mental Diseases and Disorders	4	1
Significant Trauma, Injury, Poisoning, and Toxic Effects of Drugs, and Other Reasons for Hospitalization	4	2
CDI Metrics and Analysis	3	1
Professional and Certification Preparation	2	1
Milestone 2		
Final Exam (Including exam preparation)	6	3
Total Hours	100	35

Homework Hours

N/A. Online Delivery

Homework hours are integrated into the program curriculum with an online delivery model; however, a student can expect to review and study materials to successfully complete course tests and exams.

Milestones

Milestones occur twice throughout the program and are triggered when the student reaches a specific point in the program. Students are encouraged to complete a short milestone survey, which an instructional team member then reviews. The instructor initiates contact to see how the student is doing, answers any questions or concerns, and ensures the student is making satisfactory progress through the program. If the student does not complete the survey, contact with the student is still made by the instructors. Students are encouraged to contact the instructors at any time throughout the program when they need assistance.

Additional Information

CanScribe Career College is committed to the highest standards of academic integrity and honesty. Students are particularly urged to avoid any behaviour which could potentially result in suspicion of cheating, plagiarism, misrepresentation of facts, and/or participation in an offence. Academic dishonesty is a serious offence and can result in suspension or dismissal from the program. Please see the [Appropriate Conduct/Dismissal Policy](#) in the CanScribe Student Handbook.

Extensions

Students may be able to extend their program by purchasing extensions if they have not been dismissed or withdrawn from the program. Eligible students can purchase 1-month (\$150.00) and 3-month extension blocks (\$350.00). Extensions are always retroactive to the student's latest contract (or amended contract) end date. Extensions are not eligible for T2202 tax receipts.

Referrals

Referral rewards will be paid to a referring party for a student's enrollment if the enrolment meets specific criteria. The referrer must be noted on the student contract before the program start date. Referral rewards will be paid to the referee once the student has completed 50% of their program.

Course Surveys

Upon completion of each course, the student is encouraged to fill out a short course survey. It will ask for your experience with basic directions, activities, materials and resources, visual and audio elements, and instructor assistance for that course. There is room for comments, and all comments are welcomed. As many concerns can be resolved directly, we encourage you to leave your email contact information on the survey. Constructive feedback is welcomed and viewed as an excellent opportunity for us to enhance the program.

Program Outline

Introduction

Course Code: CDIS0100

Prerequisites: None

Learning Objectives: The Introduction to Clinical Documentation Improvement will present students with the program's overall objectives and learning outcomes while introducing the significant role of clinical documentation improvement specialists in the healthcare industry. Students will identify career opportunities, professional responsibilities, and the growing need for CDI Specialists. Here, students will be instructed how to access the electronic reference material that they will use to further their studies throughout the program's entirety – ACDIS Pro.

Required Course Materials: ACDIS Pro

Length: 2 hours

Teaching Methods: Online, self-directed learning through LMS using written content, videos, and activities. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: There is no evaluative content for this course.

Completion Requirement: View all course material, register for ACDIS PRO Student Package.

Course Outline:

- 1.0 Academic Integrity and Your Studies at CanScribe Career College
- 2.0 What is Academic Integrity?
- 3.0 Clinical Document Improvement Introduction
- 4.0 CDI Specialist
- 5.0 What Does a CDI Do?

- 6.0 Program Objectives
- 7.0 Required Textbooks, Computer, and Reference Materials
- 8.0 Other Resources
- 9.0 Career Outlook for CDI Specialists
- 10.0 Why Choose to Become a CDI Specialist?

Understanding the CDI Field

Course Code: CDIS0200

Prerequisites: Introduction

Learning Objectives: In Understanding the CDI Field, students will be provided a complete definition of clinical documentation improvement and the purpose of the process. Further, students will be informed of the qualifications of a CDI Specialist and the academic and professional experience required to pursue this career. Upon successful completion of this course, the student will be able to define CDI, explain the purpose of clinical documentation improvement, explain who is qualified to be a CDI, summarize the criteria for high-quality clinical documentation, identify and practice CDI while upholding the Canadian College of Health Information Management Code of Ethics, identify query opportunities, demonstrate what constitutes a leading query to a care provider, ensure provider query response is documented as per facility policy and procedure, explain deficiencies in documentation, describe how collaborating with stakeholders affects change in documentation, identify when to educate providers regarding how documentation affects various measures (hospital harm, HSMR, patient outcomes), identify opportunities for documentation improvement, and identify data quality initiatives important to the organization.

Required Course Materials: ACDIS Pro

Length: 4 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and case studies. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: Understanding the CDI Field course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt course test, and complete course survey.

Course Outline:

1.0 The Basics of CDI	3.0 Queries
2.0 Who is qualified to be a CDI	4.0 Improving Documentation

Introduction to Coding

Course Code: CDIS0300

Prerequisites: Understanding the CDI Field

Learning Objectives: This course will provide students with the foundational knowledge of medical coding, definitions, and how coded data is used. Further, students will understand how inconsistent medical terminology and documentation leads to inconsistent ICD-10 code assignment. Students will also gain knowledge in complications of procedures and the cause-and-effect relationship between diagnosis and type. Upon successful completion of this course, the student will be able to define coding, explain the use of coded data, explain the definition of DAD, NACRS, abstract and encounter, summarize the importance and function CD-10-CA, the ICD-10-CA and CCI coding structure and coding process, recognize groupings and case weightings, explain common terms and guidelines, define estimates length of stay, how coded data is used, factors used in HIG (Ontario only) methodology, describe how inconsistency/variations in medical/clinical terminology are captured using consistent ICD-10-CA alpha numeric codes, describe how coding complications of procedures that occur within 30-days from procedure/intervention, recognize the cause-and-effect relationship between two different diagnosis and their diagnosis type, describe why flagged interventions are mandatory to code and how coding is completed, identify the CIHI convention of diagnoses, determine the MRDx, recognize the various coding resources/software. Students will be able to explain CMG+ methodology by CIHI resources, demonstrate the ability to use case mix tools, and use reference resources for code assignment.

Required Course Materials: ACDIS Pro

Length: 4 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: Introduction to Coding course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt course test, and complete course survey.

Course Outline:

1.0 Coding and the Use of Coded Data	5.0 Cause and Effect Relationship Between Diagnosis and Type
2.0 How Coded Data is Used	6.0 Determining the MRDx
3.0 Capturing Consistent ICD-10 Codes with Inconsistent and Variations in Medical and Clinical Terminology	7.0 CIHI Conventions That Reflect the Episode of Care
4.0 Complications of Procedures Occurring Within 30-Days of Procedure or Intervention	8.0 Code Assignment for Interventions
	9.0 Coding Resources, and Software

Diseases and Disorders of the Nervous System

Course Code: CDIS0400

Prerequisites: Introduction to Coding

Learning Objectives: Diseases and Disorders of the Nervous System provides students with a clinical explanation of the anatomy, physiology, pathophysiology, evaluative and interventive process, and coding assignment and query opportunities. Upon successful completion of this course, the student will be able to describe the anatomy and physiology of diseases and disorders of the nervous system, explain the clinical pathophysiology, identify how diseases and/or disorders are diagnosed through the evaluation process, identify how diseases or disorders are treated through the intervention process, describe CDI query opportunities, and summarize code assignments for the various diseases and disorders within the nervous system.

Required Course Materials: ACDIS Pro

Length: 7 hours

Teaching Methods: Online, self-directed learning through LMS using written content, videos, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: Diseases and Disorders of the Nervous System course case study (1% of 15% of the student's final grade). Diseases and Disorders of the Nervous System course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt case study, attempt course test, and complete course survey.

Course Outline:

1.0 Dementia	13.0 Coma
2.0 Alzheimer's Disease	14.0 Encephalopathy
3.0 Cerebrovascular Accident	15.0 Seizure Disorder
4.0 Transient Ischemic Attack	16.0 Epilepsy
5.0 Subdural Hemorrhage	17.0 Meningitis
6.0 Subarachnoid Hemorrhage	18.0 Multiple Sclerosis
7.0 Head Injury	19.0 Autonomic Neuropathy
8.0 Cerebral Edema	20.0 Peripheral Neuropathy
9.0 Hydrocephalus	21.0 Parkinson's Disease
10.0 Brain Herniation	22.0 Spinal Cord Injuries and Fractures
11.0 Neurological Determined Death	23.0 Carpal Tunnel Syndrome
12.0 Primary and Secondary Brain Neoplasms and Tumours	

Diseases and Disorders of the Respiratory System

Course Code: CDIS0500

Prerequisites: Diseases and Disorders of the Nervous System

Learning Objectives: Diseases and Disorders of the Respiratory System provides students with a clinical explanation of the anatomy, physiology, pathophysiology, evaluative and interventive process, and coding assignment and query opportunities. Upon successful completion of this course, the student will be able to describe the anatomy and physiology of diseases and disorders of the respiratory system, explain the clinical pathophysiology, identify how diseases and/or disorders are diagnosed through the evaluation process, identify how diseases or disorders are treated through the intervention process, describe CDI query opportunities, and summarize code assignments for the various diseases and disorders within the respiratory system.

Required Course Materials: ACDIS Pro

Length: 7 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: Diseases and Disorders of the Respiratory System course case study (1% of 15% of the student's final grade). Diseases and Disorders of the Respiratory System course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt case study, attempt course test, and complete course survey

Course Outline:

1.0 Acute Bronchiolitis	11.0 Pleural Effusion
2.0 ARDS	12.0 Malignant Neoplasm of Bronchus and Lung
3.0 Bronchitis	13.0 Pneumothorax
4.0 Atelectasis	14.0 Flail Chest
5.0 Pneumonia	15.0 Pulmonary Edema
6.0 Pneumonitis Due to Solids and Liquids	16.0 Pulmonary Embolism
7.0 Lower Respiratory Tract Infection	17.0 Pulmonary Hypertension
8.0 Asthma	18.0 Respiratory Failure
9.0 COPD	19.0 Acidosis/Alkalosis
10.0 Emphysema	20.0 Coronaviruses (MERS, SARS, COVID 19)

Diseases and Disorders of the Circulatory System

Course Code: CDIS0600

Prerequisites: Diseases and Disorders of the Nervous System

Learning Objectives: Diseases and Disorders of the Circulatory System provides students with a clinical explanation of the anatomy, physiology, pathophysiology, evaluative and interventive process, and coding assignment and query opportunities. Upon successful completion of this course, the student will be able to describe the anatomy and physiology of diseases and disorders of the circulatory system, explain the clinical pathophysiology, identify how diseases and/or disorders are diagnosed through the evaluation process,

identify how diseases or disorders are treated through the intervention process, describe CDI query opportunities, and summarize code assignments for the various diseases and disorders within the circulatory system.

Required Course Materials: ACDIS Pro

Length: 7 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: Diseases and Disorders of the Circulatory System case study (1% of 15% of the student's final grade). Diseases and Disorders of the Circulatory System course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt case study, attempt course test, and complete course survey.

Course Outline:

1.0 Atherosclerosis	11.0 Atrial Fibrillation and Flutter
2.0 Coronary Artery Disease (CAD)	12.0 Peripheral Vascular Disease
3.0 Chest Pain	13.0 Deep Vein Thrombosis (DVT)
4.0 Angina Pectoris	14.0 Gangrene
5.0 Chronic Ischemic Heart Disease	15.0 Hypotension
6.0 Acute Coronary Syndrome (ACS)	16.0 Hypertension
7.0 Myocardial Infarction (MI)	17.0 Nonrheumatic Aortic Valve Disorders
8.0 Cardiogenic Shock	18.0 Endocarditis
9.0 Congestive Heart Failure (HF)	19.0 Cardiomyopathy
10.0 Cardiac Arrhythmias (Bradycardia)	20.0 Syncope

Diseases and Disorders of the Digestive System

Course Code: CDIS0700

Prerequisites: Diseases and Disorders of the Circulatory System

Learning Objectives: Diseases and Disorders of the Digestive System provides students with a clinical explanation of the anatomy, physiology, pathophysiology, evaluative and interventive process, and coding assignment and query opportunities. Upon successful completion of this course, the student will be able to describe the anatomy and physiology of diseases and disorders of the digestive system, explain the clinical pathophysiology, identify how diseases and/or disorders are diagnosed through the evaluation process, identify how diseases or disorders are treated through the intervention process, describe CDI query opportunities, and summarize code assignments for the various diseases and disorders within the digestive system.

Required Course Materials: ACDIS Pro

Length: 7 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: Diseases and Disorders of the Digestive System case study (1% of 15% of the student's final grade). Diseases and Disorders of the Digestive System course test (5.6 % of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt case study, attempt course test, and complete course survey.

Course Outline:

1.0 Gastroesophageal Reflux Disease (GERD)	12.0 Inflammatory Bowel Disease
2.0 Esophagitis	13.0 Diverticulosis and Diverticulitis
3.0 Gastritis	14.0 Fistulas,
4.0 Peptic Ulcer Disease	15.0 Adhesions,
5.0 Varices	16.0 Obstruction
6.0 Gastrointestinal Hemorrhage	17.0 Neoplasm of the Colon
7.0 Digestive Malignancy/Neoplasm Cancer of the Esophagus	18.0 Hemorrhoids
8.0 Digestive Malignancy/Neoplasm: Stomach Cancer (gastric)	19.0 Paralytic Ileus
9.0 Gastroenteritis	20.0 Peritonitis
10.0 Appendicitis	21.0 Inguinal Hernia: Inguinal and Ventral
11.0 Cystic Fibrosis	22.0 Irritable Bowel Syndrome (IBS)

Diseases and Disorders of the Hepatobiliary System

Course Code: CDIS0800

Prerequisites: Diseases and Disorders of the Digestive System

Learning Objectives: Diseases and Disorders of the Hepatobiliary System provides students with a clinical explanation of the anatomy, physiology, pathophysiology, evaluative and interventive process, and coding assignment and query opportunities. Upon successful completion of this course, the student will be able to describe the anatomy and physiology of diseases and disorders of the hepatobiliary system, explain the clinical pathophysiology, identify how diseases and/or disorders are diagnosed through the evaluation process, identify how diseases or disorders are treated through the intervention process, describe CDI query opportunities, and summarize code assignments for the various diseases and disorders within the hepatobiliary system.

Required Course Materials: ACDIS Pro

Length: 5 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: Diseases and Disorders of the Hepatobiliary System case study (1% of 15% of the student's final grade). Diseases and Disorders of the Hepatobiliary System course test (5.6 % of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt case study, attempt course test, and complete course survey.

Course Outline:

1.0 Liver Disease	8.0 Cholelithiasis
2.0 Cirrhosis	9.0 Cholecystitis
3.0 Fatty/Alcoholic Liver Disease	10.0 Cholangitis
4.0 Liver Failure/Encephalopathy	11.0 Hepatobiliary Tract Cancer
5.0 Portal Hypertension	12.0 Pancreatitis
6.0 Viral Hepatitis	13.0 Pancreatic Cancer
7.0 Malignancy of the Liver	

Diseases and Disorders of the Musculoskeletal System, Connective Tissue, Skin, Subcutaneous Tissue, and Breast

Course Code: CDIS0900

Prerequisites: Diseases and Disorders of the Hepatobiliary System

Learning Objectives: Diseases and Disorders of the Musculoskeletal System, Connective Tissue, Skin, Subcutaneous Tissue, and Breast provides students with a clinical explanation of the anatomy, physiology, pathophysiology, evaluative and interventive process, and coding assignment and query opportunities. Upon successful completion of this course, the student will be able to describe the anatomy and physiology of diseases and disorders of the musculoskeletal system, connective tissue, skin, subcutaneous tissue, and breast explain the clinical pathophysiology, identify how diseases and/or disorders are diagnosed through the evaluation process, identify how diseases or disorders are treated through the intervention process, describe CDI query opportunities, and summarize code assignments for the various diseases and disorders within the musculoskeletal system, connective tissue, skin, subcutaneous tissue, and breast.

Required Course Materials: ACDIS Pro

Length: 8 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: Diseases and Disorders of the Musculoskeletal System, Connective Tissue, Skin, Subcutaneous Tissue, and Breast course test case study (1% of 15% of the student's final grade). Diseases and Disorders of the Musculoskeletal System, Connective Tissue, Skin, Subcutaneous Tissue, and Breast course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt case study, attempt course test, and complete course survey

Course Outline:

1.0 Arthrosis	7.0 Fracture of Skull and Facial Bones
2.0 Coxarthrosis (Arthrosis of Hip)	8.0 Fracture of Rib(s)
3.0 Gonarthrosis (Arthrosis of Knee)	9.0 Fracture of Lumbar, Thoracic Spine and Pelvis
4.0 Spondylopathy	10.0 Fracture of Shoulder and Upper Arm
5.0 Dorsalgia	11.0 Fracture of Elbow
6.0 Intervertebral Disc Disorder	12.0 Fracture of Forearm (Midshaft and Distal Radial)

13.0 Fracture of Hip	18.0 Carcinoma in Situ of Breast
14.0 Fracture of Femur, Lower Leg and Ankle	19.0 Malignant Neoplasm of the Breast
15.0 Osteomyelitis	20.0 Malignant Neoplasm of the Skin
16.0 Muscle Disorders	21.0 Secondary Malignant Neoplasm
17.0 Hypertrophy of Breast	

Diseases and Disorders of the Endocrine System, Nutrition, and Metabolism

Course Code: CDIS1000

Prerequisites: Diseases and Disorders of the Musculoskeletal System, Connective Tissue, Skin, Subcutaneous Tissue, and Breast

Learning Objectives: Diseases and Disorders of the Endocrine System, Nutrition, and Metabolism provides students with a clinical explanation of the anatomy, physiology, pathophysiology, evaluative and interventive process, and coding assignment and query opportunities. Upon successful completion of this course, the student will be able to describe the anatomy and physiology of diseases and disorders of the endocrine system, nutrition, and metabolism, explain the clinical pathophysiology, identify how diseases and/or disorders are diagnosed through the evaluation process, identify how diseases or disorders are treated through the intervention process, describe CDI query opportunities, and summarize code assignments for the various diseases and disorders within the endocrine system, nutrition, and metabolism.

Required Course Materials: ACDIS Pro

Length: 4 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: Diseases and Disorders of the Endocrine System, Nutrition, and Metabolism case study (1% of 15% of the student's final grade). Diseases and Disorders of the Endocrine System, Nutrition, and Metabolism course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt case study, attempt course test, and complete course survey.

Course Outline:

1.0 Hypothyroidism	7.0 Bartter Syndrome
2.0 Hyperthyroidism	8.0 Hypoparathyroidism
3.0 Diabetes: Type 1 and 2	9.0 Rickets
4.0 Adrenal Gland Disorders (Addison's Disease, Hyperaldosteronism)	10.0 Hypophosphatemia
5.0 SIADH	11.0 Electrolyte Imbalance
6.0 Cushing's Disease	12.0 Dehydration
	13.0 Obesity

Diseases and Disorders of the Kidneys and Urinary Tract

Course Code: CDIS1100

Prerequisites: Diseases and Disorders of the Endocrine System, Nutrition, and Metabolism

Learning Objectives: Diseases and Disorders of the Kidneys and Urinary Tract provides students with a clinical explanation of the anatomy, physiology, pathophysiology, evaluative and interventive process, and coding assignment and query opportunities. Upon successful completion of this course, the student will be able to describe the anatomy and physiology of diseases and disorders of the kidney and urinary tract, explain the clinical pathophysiology, identify how diseases and/or disorders are diagnosed through the evaluation process, identify how diseases or disorders are treated through the intervention process, describe CDI query opportunities, and summarize code assignments for the various diseases and disorders within the kidney and urinary tract.

Required Course Materials: ACDIS Pro

Length: 4 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: Diseases and Disorders of the Kidneys and Urinary Tract course case study (1% of 15% of the student's final grade). Diseases and Disorders of the Kidneys and Urinary Tract course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt case study, attempt course test, and complete course survey.

Course Outline:

1.0 Glomerulonephritis	7.0 Urolithiasis
2.0 Pyelonephritis	8.0 Hydronephrosis
3.0 Acute Renal Failure	9.0 Neoplasms of the Kidney and Urinary Tract
4.0 Chronic Kidney Disease	10.0 UTI (Cystitis)
5.0 Chronic Renal Failure	11.0 Incontinence
6.0 Acute on Chronic Renal Failure	12.0 Interstitial Cystitis

Diseases and Disorders of the Male and Female Reproductive System

Course Code: CDIS1200

Prerequisites: Diseases and Disorders of the Kidneys and Urinary Tract

Learning Objectives: Diseases and Disorders of the Male and Female Reproductive System provides students with a clinical explanation of the anatomy, physiology, pathophysiology, evaluative and interventional process, and coding assignment and query opportunities. Upon successful completion of this course, the student will be able to describe the anatomy and physiology of diseases and disorders of the male and female reproductive system, explain the clinical pathophysiology, identify how diseases and/or disorders are diagnosed through the evaluation process, identify how diseases or disorders are treated through the intervention process, describe CDI query opportunities, and summarize code assignments for the various diseases and disorders within the male and female reproductive system.

Required Course Materials: ACDIS Pro

Length: 4 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: Diseases and Disorders of the Male and Female Reproductive System course case study (1% of 15% of the student's final grade). Diseases and Disorders of the Male and Female Reproductive System course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt case study, attempt course test, and complete course survey.

Course Outline:

1.0 Prostate Malignancy/Hypertrophy	6.0 Ovarian Cysts and Neoplasia
2.0 Testicular Malignancy/Torsion	7.0 Prolapse
3.0 Hydrocele, Spermatocele, Varicocele	8.0 Adenomyosis and Endometriosis
4.0 Cervical Dysplasia/Neoplasia	9.0 Menstrual Disorders
5.0 Uterine Neoplasia	

Pregnancy and Delivery

Course Code: CDIS1300

Prerequisites: Diseases and Disorders of the Male and Female Reproductive System

Learning Objectives: Pregnancy and Delivery provides students with a clinical explanation of the anatomy, physiology, pathophysiology, evaluative and interventional process, and coding assignment and query opportunities. Upon successful completion of this course, the student will be able to describe the anatomy and physiology of pregnancy and delivery, explain the clinical pathophysiology, identify how diseases and/or disorders are diagnosed through the evaluation process, identify how diseases or disorders are treated through the intervention process, describe CDI query opportunities, and summarize code assignments for the various diseases and disorders associated with pregnancy and delivery.

Required Course Materials: ACDIS Pro

Length: 4 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: course case study (1% of 15% of the student's final grade). Pregnancy and Delivery course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt case study, attempt course test, and complete course survey

Course Outline:

1.0 Slow Fetal Growth and Malnutrition	4.0 Complications of Delivery
2.0 Infections in Utero or During Birth	5.0 Labour and Delivery Complicated by Fetal Distress
3.0 Premature Rupture of Membranes	6.0 Vaginal Delivery with Anesthesia

Newborns and Neonates with Conditions Originating in the Perinatal Period**Course Code:** CDIS1400**Prerequisites:** Pregnancy and Delivery

Learning Objectives: Newborns and Neonates with Conditions Originating in the Perinatal Period provides students with a clinical explanation of the anatomy, physiology, pathophysiology, evaluative and interventive process, and coding assignment and query opportunities. Upon successful completion of this course, the student will be able to describe the anatomy and physiology of conditions and disorders originating in the perinatal period for newborns and neonates, explain the clinical pathophysiology, identify how conditions and/or disorders are diagnosed through the evaluation process, identify how conditions or disorders are treated through the intervention process, describe CDI query opportunities, and summarize code assignments for the various conditions and disorders for newborns and neonates originating in the perinatal period.

Required Course Materials: ACDIS Pro**Length:** 4 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: course case study (1% of 15% of the student's final grade). Newborns and Neonates with Conditions Originating in the Perinatal Period course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt case study, attempt course test, and complete course survey

Course Outline:

1.0 Respiratory Disorders	5.0 Birthing Trauma
2.0 Respiratory Distress in Newborn (NRDS)	6.0 Neonate Abstinence Syndrome
3.0 Neonate Heart Condition (Atrial-Septal Defect)	7.0 Jaundice-Phototherapy
4.0 Prematurity and Low Birthweight	8.0 Cleft Palate

Diseases and Disorders of the Blood and Lymphatic System**Course Code:** CDIS1500**Prerequisites:** Newborns and Neonates with Conditions Originating in Perinatal Period

Learning Objectives: Diseases and Disorders of the Blood and Lymphatic System provides students with a clinical explanation of the anatomy, physiology, pathophysiology, evaluative and interventive process, and coding assignment and query opportunities. Upon successful completion of this course, the student will be able to describe the anatomy and physiology of diseases and disorders of the blood and lymphatic system, explain the clinical pathophysiology, identify how diseases and/or disorders are diagnosed through the evaluation process, identify how diseases or disorders are treated through the intervention process, describe CDI query opportunities, and summarize code assignments for the various diseases and disorders within the blood and lymphatic system.

Required Course Materials: ACDIS Pro**Length:** 4 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: course case study (1% of 15% of the student's final grade). Diseases and Disorders of the Blood and Lymphatic System course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt case study, attempt course test, and complete course survey

Course Outline:

1.0 Anemia	7.0 Agranulocytosis
2.0 Thrombocytopenia	8.0 Neutropenia in Chemotherapy Patient With or Without Fever
3.0 Sickle Cell	9.0 Multiple Myeloma
4.0 Leukemia	10.0 Non-Follicular Lymphoma
5.0 Lymphoid Leukemia	
6.0 Myeloid Leukemia	

Multi-System or Unspecified Site Infections**Course Code:** CDIS1600**Prerequisites:** Diseases and Disorders of the Blood and Lymphatic System

Learning Objectives: Multi-System or Unspecified Site Infections provides students with a clinical explanation of the anatomy, physiology, pathophysiology, evaluative and interventional process, and coding assignment and query opportunities. Upon successful completion of this course, the student will be able to describe the anatomy and physiology of diseases and disorders from multi-system or unspecified site infections, explain the clinical pathophysiology, identify how diseases and/or disorders are diagnosed through the evaluation process, identify how diseases or disorders are treated through the intervention process, describe CDI query opportunities, and summarize code assignments for the various diseases and disorders caused by or resulting in multi-system or unspecified site infections.

Required Course Materials: ACDIS Pro

Length: 6 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: Multi-System or Unspecified Site Infections course case study (1% of 15% of the student's final grade). Multi-System or Unspecified Site Infections course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt case study, attempt course test, and complete course survey

Course Outline:

1.0 Bacteremia	9.0 Decubitus Ulcer
2.0 Septicemia	10.0 Cutaneous Abscess
3.0 Sepsis, Severe Sepsis, and Septic Shock	11.0 Necrotizing fasciitis
4.0 Postoperative Infection	12.0 Drug resistant microorganisms
5.0 Central Line Infection	13.0 Cytomegalovirus
6.0 Fever of unknown origin	14.0 Epstein-Barr Virus (EBV)
7.0 Cellulitis	15.0 Mononucleosis (Mono)
8.0 Skin Ulcers	16.0 Human Immunodeficiency Virus (HIV)

Mental Diseases and Disorders

Course Code: CDIS1700

Prerequisites: Multi-System or Unspecified Site Infections

Learning Objectives: Mental Diseases and Disorders provides students with a clinical explanation of the anatomy, physiology, pathophysiology, evaluative and interventional process, and coding assignment and query opportunities. Upon successful completion of this course, the student will be able to describe the anatomy and physiology of diseases and disorders of mental diseases and disorders, explain the clinical pathophysiology, identify how diseases and/or disorders are diagnosed through the evaluation process, identify how diseases or disorders are treated through the intervention process, describe CDI query opportunities, and summarize code assignments for the various diseases and disorders within mental diseases and disorders.

Required Course Materials: ACDIS Pro

Length: 4 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: Mental Diseases and Disorders course case study (1% of 15% of the student's final grade) Mental Diseases and Disorders course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt case study, attempt course test, and complete course survey

Course Outline:

1.0 Delirium	6.0 Schizophrenia
2.0 Delirium With Infection	7.0 Bipolar Affective Disorder
3.0 Alcohol and Drug Withdrawal With and Without Delirium	8.0 Nonorganic Psychosis
4.0 Depressive Episode	9.0 Generalized Anxiety Disorder
5.0 Severe Stress	

Significant Trauma, Injury, Poisoning, Toxic Effects of Drugs, and Other Reasons for Hospitalization

Course Code: CDIS1800

Prerequisites: Mental Diseases and Disorders

Learning Objectives: Significant Trauma, Injury, Toxic Effects of Drugs, and Other Reasons for Hospitalization provides students with a clinical explanation of the anatomy, physiology, pathophysiology, evaluative and interventional process, and coding assignment and

query opportunities. Upon successful completion of this course, the student will be able to describe the anatomy and physiology of diseases and disorders of significant trauma, injury, toxic effects of drugs, and other reasons for hospitalization, explain the clinical pathophysiology, identify how diseases and/or disorders are diagnosed through the evaluation process, identify how diseases or disorders are treated through the intervention process, describe CDI query opportunities, and summarize code assignments for the various diseases and disorders originating or resulting from significant trauma, injury, toxic effects of drugs, and other reasons for hospitalization

Required Course Materials: ACDIS Pro

Length: 4 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: Significant Trauma, Injury, Toxic Effects of Drugs, and Other Reasons for Hospitalization course case study (1% of 15% of the student's final grade). Significant Trauma, Injury, Toxic Effects of Drugs, and Other Reasons for Hospitalization course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt case study, attempt course test, and complete course survey.

Course Outline:

1.0 Palliative and Convalescence	6.0 Complications of Procedure
2.0 ALC (Alternative Level of Care)	7.0 Poisoning Non-Opioid Analgesic/Antipyretics
3.0 Rehab (Care Involving Use)	8.0 Pain, Not Elsewhere Classified (NEC)
4.0 Burn (Body Surface Area and Degree of Burn)	9.0 Malaise/Fatigue
5.0 Medical Assistance in Dying (MAID)	

CDI Metrics and Analysis

Course Code: CDIS1900

Prerequisites: Significant Trauma, Injury, Toxic Effects of Drugs, and Other Reasons for Hospitalization

Learning Objectives: CDI Metrics and Analysis will provide students with a thorough explanation of the process that CDI Specialists work through – from the initial receipt of the clinical information to the analysis and creation of measurable data. Students will be able to recognize the evaluation and intervention processes of diseases and disorders to identify how certain diseases are more complex with added comorbidities; thus, making an individual's health encounter more complex. Students will have the skills to evaluate the analysis process for foundational data and determine the CDI Specialist's necessity to review or audit charts accordingly. Students will recognize opportunities where a CDI will identify the areas and needs of their organization using CIHI's Top 10 Diseases by MCC (Major Clinical Categories) or by benchmarking with other organizations. Students will recognize the importance of utilizing metrics after the review and query process. CDI Metrics and Analysis will provide students with the ability to identify the CDI Specialist's role in providing education when measurables are determined as needing improvement. Upon successful completion of this course, the student will be equipped with the necessary skills and knowledge of a CDI Specialist with the ability to fulfill the role of educator and liaison between physicians and coders, while able to provide decision-support to optimize the clinical documentation and coding data collection.

Required Course Materials: ACDIS Pro

Length: 3 hours

Teaching Methods: Online, self-directed learning through LMS using written content, activities, and course test. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: CDI Metrics and Analysis course test (5.6% of 45% of the student's final grade). Students are encouraged to meet the benchmark score of 80% on all course tests. Course tests are weighted equally, combined, and averaged for a final grade.

Completion Requirement: View all course material, attempt course test, and complete course survey

Course Outline:

1.0 CDI Measuring Tools	3.0 Analysis Review
2.0 Tracking and Measuring Query Responses	4.0 Measuring CDI Program Impact and Success

Professional and Certification Preparation

Course Code: CDIS2000

Prerequisites: CDI Metrics and Analysis

Learning Objectives: Professional and Certification Preparation will equip students with the skills and knowledge necessary to identify available resources and recognize studying techniques fundamental to their preparation for the final examination and the National Certification Exam for their CCDIS credential. Students will design and prepare a resumé, cover letter, and invoice. Upon completion

of Professional and Certification Preparation, students will be able to define and discuss all aspects of the interview process while having developed valuable job searching skills.

Required Course Materials: ACDIS Pro

Length: 2 hours

Teaching Methods: Online, self-directed learning through LMS using written content and activities. Instructional assistance available when required via email, phone, or live chat.

Method of Evaluation: Not Applicable. This course is not graded.

Completion Requirement: View all course material and complete the course survey.

Course Outline:

1.0 Introduction	5.0 Job Searching
2.0 Career Development	6.0 Interviewing
3.0 Resumes	7.0 Preparing an Invoice
4.0 Applications and Cover Letters	8.0 Preparing for your CHIMA Accreditation Examination

Final Exam

Prerequisites: Professional and Certification Preparation

Teaching Method: Online, timed exam. Instructional assistance will be available, if required, before beginning the exam.

Learning Objectives: This assessment determines what level of learning outcomes the student has achieved.

Required Course Materials: ACDIS Pro

Length: 6 hours (3 hours exam preparation, 3-hour exam)

Minimum Passing Grade: 80%

Completion Requirement: 3 hours have been allotted to prepare for the Final Exam. Final Exam is 3 hours in duration.

Conclusion

Well done! You have completed the Clinical Documentation Improvement Specialist program. As reflected on your official transcript, your final grade will be based on the sum of all course tests (45%), case studies (15%) and the final exam (40%). Your official transcript will be emailed to you, and your certificate will be mailed.

Now that you have completed your program, you are eligible to write the National Certification Exam CCDIS. You must pass your CCDIS NCE with a minimum of 80% to become an accredited CCDIS. For further information, please go to <https://www.echima.ca/wp-content/uploads/2019/11/CCDIS-NCE-Guide-2020-07.pdf>.

We hope that your experience with CanScribe Career College has been positive. If you would like to share your experiences with future students, please let us know. We would appreciate the opportunity to provide your testimonial to prospective students to help them make their educational decision.

All of us at CanScribe Career College would like to take this opportunity to wish you the most tremendous success in the Clinical Documentation Improvement Specialist industry. We will offer lifetime support, so please feel free to contact CanScribe if we can assist you with anything.

Congratulations and good luck in all your future endeavours!