# MEDICAL CODING, ADVANCED CERTIFICATE



College(s): MX

Program Code: 0394

The Advanced Certificate in Medical Coding is intended to provide the student with the necessary education and hands-on skills required for entry-level positions as medical coders for a variety of healthcare settings. The students learn ICD-10-CM/PCS and CPT/HCPCS Level II guidelines and apply them while coding various coding scenarios including inpatient records, outpatient visits, operative reports, and other healthcare records. Students utilize 3M encoder software in both basic and advanced coding courses in order to master their coding skills and smoothly transition to their entry-level healthcare careers. In addition, the students participate in the planned and supervised clinical affiliations in medical facilities. Our stackable degree path allows students to apply all credits earned in the Medical Billing Basic Certificate program to the Medical Coding Advanced Certificate program. Upon the completion of the Medical Coding Advanced Certificate, students can then pursue an Associate in Applied Science degree in Health Information Technology.

Note: In order to sit for the Medical Coding Certification exam, students must provide proof of high school completion or HSE.

**For more information on the Medical Coding program at Malcolm X College, visit the program webpage (https://www.ccc.edu/colleges/malcolm-x/departments/Pages/Medical-Coding.aspx).**

## Program Requirements

| Code | Title | Hours |
|------|-------|-------|
| **Required Program Core** | | |
| BIOLOGY 116 | Introduction to Anatomy And Physiology [1] | 4 |
| or BIOLOGY 226 & BIOLOGY 227 | Human Structure and Function I and Human Structure and Function II | |
| CIS 120 | Introduction to Computer Applications | 3 |
| HIT 101 | Foundations of HIT | 3 |
| HIT 102 | Medical Billing | 4 |
| HIT 103 | Basic ICD-10-CM/PCS Coding | 3 |
| HIT 104 | Basic CPT Coding | 3 |
| HIT 105 | Pharmacology for HIT Professionals | 2 |
| HIT 108 | Advanced ICD-10-CM/PCS Coding | 3 |
| HIT 109 | Advanced CPT Coding | 3 |
| HIT 110 | Medical Terms for HIT Professionals | 3 |
| HIT 201 | Fundamentals of Medical Science | 3 |
| HIT 203 | Reimbursement Methodologies | 3 |
| **Required Work-Based Learning Courses** | | |
| HIT 221 | Professional Practice I | 3 |
| **Total Hours** | | **40** |

[1] Effective Spring 2024, BIOLOGY 226 & 227 may be taken in place of BIOLOGY 116.

## Pathway

This is an **example course sequence** for students interested in earning a degree in Health Information Technology. It does not represent a contract, nor does it guarantee course availability. If this pathway is followed as outlined, you will earn a Basic Certificate (BC) in Medical Billing and an Advanced Certificate (AC) in Medical Coding.

## Semester-by-Semester Program Plan for Full-Time Students

All plans can be modified to fit the needs of part-time students by adding more semesters.

| Semester 1 | | Hours |
| --- | --- | --- |
| BIOLOGY 116 | Introduction to Anatomy And Physiology [1,2] | 4 |
| CIS 120 | Introduction to Computer Applications [1] | 3 |
| HIT 101 | Foundations of HIT [1] | 3 |
| HIT 102 | Medical Billing [1] | 4 |
| HIT 110 | Medical Terms for HIT Professionals [1] | 3 |
| | **Hours** | **17** |
| **Semester 2** | | |
| HIT 103 | Basic ICD-10-CM/PCS Coding | 3 |
| HIT 104 | Basic CPT Coding | 3 |
| HIT 105 | Pharmacology for HIT Professionals | 2 |
| HIT 201 | Fundamentals of Medical Science | 3 |
| | **Hours** | **11** |
| **Semester 3** | | |
| HIT 108 | Advanced ICD-10-CM/PCS Coding | 3 |
| HIT 109 | Advanced CPT Coding | 3 |
| HIT 203 | Reimbursement Methodologies | 3 |
| HIT 221 | Professional Practice I | 3 |
| | **Hours** | **12** |
| | **Total Hours** | **40** |

[1]  Program prerequisites. Students earn the Medical Billing Basic Certificate (BC) after Semester 1 prior to applying for admission to the Medical Coding Advanced Certificate (AC).

[2]  BIOLOGY 226 Human Structure and Function I & BIOLOGY 227 Human Structure and Function II can substitute for this requirement, effective Spring 2024.

Choose your courses with your College Advisor.

# Program Admission Requirements

- Completion of the Malcolm X College Medical Billing [BC] (https:// catalog.ccc.edu/academic-program-requirements/medical-billing-basic-certificate/).
- Currently enrolled in Malcolm X College Medical Billing program are eligible to apply.
- Submit official college transcripts from all colleges attended outside of City Colleges of Chicago to the Malcolm X College Office of Registrar Services.
- On-campus, in-person interview; this will occur in late October
- Submit one Letter of Recommendation at the interview
- Once accepted to the program and prior to registration; students must complete the following:
    - Background check
    - Drug screen
    - Provide proof of health insurance
    - Provide current immunization records
- Students need to have transportation to and from their clinical sites

# Careers

This program can prepare students for the jobs listed below. Click on each one to learn more, including average earnings, annual job openings, and how much education people in that field have. For additional guidance and resources on career options, current City Colleges students and alumni can contact the Career Services Office (https://www.ccc.edu/ departments/Pages/Career-Services.aspx).

# Medical Records Specialists
## Job Description

Compile, process, and maintain medical records of hospital and clinic patients in a manner consistent with medical, administrative, ethical, legal, and regulatory requirements of the healthcare system. Classify medical and healthcare concepts, including diagnosis, procedures, medical services, and equipment, into the healthcare industry's numerical coding system. Includes medical coders.

## Salary Based on Experience Level

Take a look at the average hourly/annual earnings for this career in Cook County

Lightcast earnings figures are based on OES data from the BLS and include base rate, cost of living allowances, guaranteed pay, hazardous-duty pay, incentive pay (including commissions and bonuses), on-call pay, and tips.

### Annual Wages

| | |
| --- | --- |
| **Entry-Level 10th Percentile** | $38,421 |
| **Median 50th Percentile** | $52,665 |
| **Senior-Level 90th Percentile** | $83,230 |

### Hourly Wages

| | |
| --- | --- |
| **Entry-Level 10th Percentile** | $18 |
| **Median 50th Percentile** | $25 |
| **Senior-Level 90th Percentile** | $40 |

## Annual Job Openings

166 annual openings in Cook County

## National Education Attainment

Here, you can see the level of education that people in this career complete.

| Degree Program | % of Jobs |
| --- | --- |
| **A high school diploma or less** | 48.06% |
| **A certificate** | 10.94% |
| **Some college** | 20.57% |
| **An Associate degree** | 19.93% |
| **A Bachelor's degree** | 0.50% |
| **A Master's or Professional degree** | 0.00% |
| **A Doctoral degree or more** | 0.00% |

0.50% continue their education beyond an associate degree

# Health Information Technologists and Medical Registrars

## Job Description

Apply knowledge of healthcare and information systems to assist in the design, development, and continued modification and analysis of computerized healthcare systems. Abstract, collect, and analyze treatment and followup information of patients. May educate staff and assist in problem solving to promote the implementation of the healthcare information system. May design, develop, test, and implement databases with complete history, diagnosis, treatment, and health status to help monitor diseases.

## Salary Based on Experience Level

Take a look at the average hourly/annual earnings for this career in Cook County

Lightcast earnings figures are based on OES data from the BLS and include base rate, cost of living allowances, guaranteed pay, hazardous-duty pay, incentive pay (including commissions and bonuses), on-call pay, and tips.

### Annual Wages

| | |
|---|---|
| Entry-Level 10th Percentile | $32,653 |
| Median 50th Percentile | $46,723 |
| Senior-Level 90th Percentile | $105,585 |

### Hourly Wages

| | |
|---|---|
| Entry-Level 10th Percentile | $16 |
| Median 50th Percentile | $22 |
| Senior-Level 90th Percentile | $51 |

## Annual Job Openings

29 annual openings in Cook County

## National Education Attainment

Here, you can see the level of education that people in this career complete.

| Degree Program | % of Jobs |
|---|---|
| A high school diploma or less | 48.06% |
| A certificate | 10.94% |
| Some college | 20.57% |
| An Associate degree | 19.93% |
| A Bachelor's degree | 0.50% |
| A Master's or Professional degree | 0.00% |
| A Doctoral degree or more | 0.00% |

0.50% continue their education beyond an associate degree