

PMBAUSA Revolutionizes Medical Coding with CAIMC® – Certified AI Medical Coder Credential

Known for certifying professionals with integrity and innovation, PMBAUSA now proudly offers the CAIMC® – Certified AI Medical Coder course.



Denver, Colorado Jul 28, 2025 ([Issuewire.com](https://www.issuewire.com)) - PMBAUSA Certifies Excellence in Medical Coding and Billing Since 2009—Announces the CAIMC® Credential: Certified AI Medical Coder

Empowering Certified Medical Coders with Advanced AI Skills for the Future of Revenue Cycle

Management

The **Professional Medical Billers Association (PMBAUSA)**, a trailblazer in [medical coding and billing](#) certification since 2009, proudly announces the launch of its flagship credential: **CAIMC® – Certified AI Medical Coder**. Designed for certified coders, the CAIMC® certification is a future-ready program that integrates Artificial Intelligence (AI) fundamentals with real-world applications in medical coding and billing.

As the healthcare industry undergoes rapid digital transformation, coders equipped with AI expertise are in unprecedented demand. With over **5,000 certified coders** already embracing this certification, CAIMC® is positioning professionals at the forefront of intelligent healthcare documentation, coding automation, and Revenue Cycle Management (RCM) innovation.

Why CAIMC®? The Case for AI-Integrated Medical Coding

Artificial Intelligence is not a concept of the future—it is a present-day tool actively transforming the healthcare coding ecosystem. With AI tools now influencing audits, coding validation, denial prediction, risk adjustment, and clinical documentation, coders must go beyond traditional knowledge to stay competitive.

Key Benefits of the CAIMC® Credential:

- **Master AI-Powered Coding Tools** for audit automation and coding accuracy
- **Understand Human-in-the-Loop Workflows**, enabling collaboration between humans and AI systems
- **Enhance Speed and Precision** in claim generation, risk adjustment, and HCC coding
- **Prepare for the Future** with skills tailored to evolving CMS, payer, and healthcare technology requirements
- **Stand Out Professionally** with a specialized credential in AI Medical Coding
- **Improve Compliance** through AI-informed documentation and HIPAA integration

Course Overview and Format

- **Course Name:** Certified AI Medical Coder (CAIMC®)
- **Eligibility:** Certified Medical Coders (CPC, CCS, FIMC®, CRC, etc.)
- **Duration:** 2 months (self-paced; approx. 30–40 hours)
- **Format:** 100% online via e-learning
- **Final Exam:** Online (2 attempts allowed; 70% passing score)
- **Certification Validity:** Lifetime

- **Website:** www.pmbausa.com

CAIMC® is offered in collaboration with **Medesun Global**, a global leader in AI-based healthcare training and certification.

CAIMC® Curriculum Breakdown

Module 1: AI Introduction & Fundamentals

- What is AI, ChatGPT, and Generative AI?
- AI vs. Traditional Coding – Myths and Reality
- Role of AI in CAC and RCM
- Types of AI in Medical Coding

Module 2: Machine Learning and Deep Learning

- Supervised vs. Unsupervised Learning
- Random Forests, SVM, and Decision Trees
- NLP Techniques for Risk Adjustment
- AI in Diabetes and Hypertension Coding (use cases)

Module 3: AI and HIPAA Compliance

- HIPAA-Compliant AI Workflows
- Data Privacy, Ethical AI Coding, and PHI Best Practices
- AMA's AI Governance Principles
- Use Case: AI and Patient Data Handling

Module 4: Prompt Engineering in Medical Coding

- Tokenization and Natural Language Input
- ICD-10-CM, CPT, and HCC Prompt Framework
- ChatGPT, T5, and XG-Boost Prompt Examples

Module 5: Clinical Documentation & AI

- SNOMED-CT Integration
- Document Structure Learning
- Emerging Applications of AI in Clinical Note Validation
- ICD vs. SNOMED Differences Explained

Module 6: Building an AI-Driven Coding Tool

- Tool Development Stages
- Choosing AI Models: GPT, BERT, XGBoost
- Preprocessing Medical Records for ML
- Risk Adjustment Modeling for HCC

Module 7: AI in CPT and Specialty Coding

- AI in Radiology, Pathology, and E/M Documentation
- Case Studies in CPT Coding and Claim Generation
- Prompts for Anesthesia, Oncology, and Surgery

Module 8: Advanced Prompting & Model Training

- Chain of Thought (CoT) Prompting
- Recursive Criticism and Refinement
- Directional Stimulus (DS) Prompting
- Reverse Prompt Engineering

Module 9: Retrieval-Augmented Generation (RAG)

- Fine-Tuning GPT Models
- LLM Hallucinations in Coding Context
- Zero-shot and Few-shot Prompting

- AMA-AI Guidelines for Model Optimization

Module 10: Sentiment Analysis in Coding

- Detecting Negation, Uncertainty, and Conditions
- Accuracy Enhancement via Contextual Sentiment Mapping
- GPT4 Custom Model Deployment for Medical Coders

Module 11: Amazon Comprehend Medical (ACM)

- Named Entity Recognition (NER) for Medical Entities
- Using ACM with GPT4 for Complex Coding Scenarios
- ACM Integration with ICD and CPT Applications

Module 12: Fine-Tuning & De-Identification

- ICD-10-CM and CPT Dataset Preparation
- De-Identification of PHI in Medical Records
- Implementation of Retrieval-Augmented Generation
- Integration with BERT, Gemini, and Open Source APIs

Endorsements & Outcomes

Professionals from leading healthcare organizations, RCM companies, and coding firms have already adopted CAIMC® to retrain their teams for a technology-centric future.

“The CAIMC® certification bridges the knowledge gap between traditional medical coding and AI-driven documentation. It’s not just another course—it’s a must-have survival toolkit for certified coders in today’s competitive market.”

– **Training Director, Medesun Global**

About PMBAUSA

The **Professional Medical Billers Association (PMBAUSA)** is a recognized authority in certifying excellence in medical billing, coding, and healthcare reimbursement education since 2009. PMBAUSA’s goal is to develop a globally competent healthcare documentation workforce by aligning training with the latest compliance regulations, technological trends, and AI tools, offered with Medesun Prime.

With certifications such as CAIMC®, FIMC®, and CPMB®, PMBAUSA is empowering healthcare

professionals to stay ahead of the curve and thrive in AI-integrated environments.

Enroll Today

Join a growing global community of coding professionals preparing for tomorrow—**today**.

- Website: www.pmbausa.com
- Email: support@pmbausa.com
- Partnership & Enrollment: Open for Individual and Institutional Learners

Let's shape the future of healthcare documentation—**together**.

Media Contact:

PMBAUSA Certification Team

Email: info@pmbausa.com

Website: www.pmbausa.com

Global Offices: USA | India



Media Contact

Professional Medical Billers Association

*****@pmbausa.com

1-908-327-6993

Professional Medical Billers Association USA LLC 1312 17th Street Unit #2229

Source : PMBAUSA LLC

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