

## Capital Markets & Securities Analyst (CMSA®) Certification

Duration: 3 days

Here's a **3-day training session content outline** for **Capital Markets and Securities Analysts**. This training will cover core principles in capital markets, securities analysis, and related tools, with an emphasis on practical skills.

### Day 1: Introduction to Capital Markets & Financial Instruments

#### Session 1: Introduction to Capital Markets

##### What are Capital Markets?

- Importance of capital markets in the economy
- The role of capital markets in raising capital and liquidity
- Key market participants: investors, issuers, intermediaries, and regulators

##### Types of Capital Markets

- Primary market: IPOs, debt offerings
- Secondary market: stock exchanges, OTC markets
- Debt vs. equity markets

##### Market Structures

- Stock exchanges (NYSE, NASDAQ, etc.) vs. Over-the-Counter (OTC)
- Trading mechanisms: Order-driven, quote-driven markets
- Role of clearinghouses and custodians

#### Session 2: Financial Instruments in Capital Markets

##### Equities (Stocks)

- Common and preferred stocks
- Stock issuance and trading process
- Dividend policies and rights of stockholders

##### Fixed Income (Bonds)

- Types of bonds: Government bonds, corporate bonds, municipal bonds
- Bond characteristics: Coupon rates, maturity dates, yields
- How bonds are priced and traded

##### Derivatives Markets

- Futures, options, and swaps
- Hedging and speculation using derivatives
- Basic concepts in derivative pricing

#### Session 3: Market Participants and Market Efficiency

##### Market Participants

- Retail and institutional investors
- Investment banks, asset managers, and broker-dealers
- Regulators: SEC, FCA, ESMA

##### Market Efficiency

Efficient Market Hypothesis (EMH) and its implications  
Types of market efficiency: Weak, Semi-strong, Strong  
Real-world deviations from efficiency: Market anomalies

## **Day 2: Securities Analysis & Valuation Techniques**

### **Session 4: Equity Analysis and Valuation**

#### **Fundamental Analysis for Equities**

Understanding financial statements: Income statement, balance sheet, cash flow  
Financial ratios: P/E ratio, P/B ratio, ROE, EPS, and others  
Economic and industry analysis (macro factors affecting stock prices)

#### **Valuation Techniques for Stocks**

Discounted Cash Flow (DCF) method  
Dividend Discount Model (DDM)  
Comparable company analysis and precedent transactions

### **Session 5: Fixed Income Analysis and Valuation**

#### **Understanding Bonds**

Types of bonds and their features  
Bond yields: Current yield, yield to maturity (YTM), yield to call (YTC)  
Duration and convexity: Measures of bond price sensitivity

#### **Bond Valuation**

Calculating bond prices and yields  
The relationship between bond prices and interest rates  
Yield curves and what they indicate about the economy

### **Session 6: Technical Analysis**

#### **Introduction to Technical Analysis**

Key principles: Price discounts everything, prices move in trends  
Chart types: Line charts, bar charts, candlestick charts

#### **Technical Indicators**

Moving averages, RSI, MACD, Bollinger Bands  
Support and resistance levels, trendlines, and channels

#### **Practical Application**

Identifying trends, using indicators to make trade decisions

## **Day 3: Risk Management, Regulatory Framework & Ethics**

### **Session 7: Risk Management in Capital Markets**

### **Types of Financial Risks**

Systematic vs. unsystematic risk  
Credit risk, market risk, liquidity risk, operational risk

### **Risk Measurement and Mitigation**

Value at Risk (VaR) and stress testing  
Hedging strategies: Using options and futures  
Diversification and asset allocation

### **Portfolio Management**

Constructing a balanced portfolio  
Modern Portfolio Theory (MPT)  
Capital Asset Pricing Model (CAPM)

## **Session 8: Regulatory Framework and Compliance**

### **Overview of Global Financial Regulations**

The role of regulatory bodies: SEC, FCA, ESMA  
Key regulatory standards: MiFID II, Dodd-Frank, Basel III

### **Market Integrity and Investor Protection**

Insider trading, market manipulation, and fraud  
Anti-money laundering (AML) and Know Your Customer (KYC)  
Reporting and transparency requirements

### **Ethics in Securities Analysis**

Ethical responsibilities of analysts and investment professionals  
Conflicts of interest and their management  
CFA Institute Code of Ethics and Standards of Professional Conduct

## **Session 9: Final Review & Practical Applications**

### **Case Studies**

Real-world case studies on market events, securities analysis, and risk management

### **Interactive Q&A and Group Discussion**

Open forum to discuss complex issues, challenges in analysis, and real market scenarios

## **Training Approach:**

**Lectures:** Core theory and concepts will be explained with practical examples.

**Group Discussions:** Facilitate understanding through discussions of real-world cases and issues.

**Hands-on Exercises:** Interactive exercises like calculating bond yields, using financial ratios, and analyzing stock charts.

**Quizzes/Assessments:** Testing knowledge through quick assessments after each session.

This 3-day training session will equip participants with the knowledge required for a career in capital markets and securities analysis, providing both theoretical insights and practical skills.