

# Excel, Finance, & Investing Summer Program NYC (High School)

Learn the most widely-used program in the world! This program consists of 10 three-hour sessions in which students explore both technical skills and finance theory. This bootcamp is ideal for students interested in finance, business, real estate, entrepreneurship, and many other related fields.

Group classes in NYC and onsite training is available for this course. For more information, email [corporate@nobledesktop.com](mailto:corporate@nobledesktop.com) or visit: <https://www.nobledesktop.com/classes/excel-finance-bootcamp-for-high-school>



[hello@nobledesktop.com](mailto:hello@nobledesktop.com) • (212) 226-4149

## Course Outline

### Excel for Business Fundamentals

#### Introduction

- Interface
- Data Entry

#### Formulas

- Autofill
- Calculations
- True or False
- AutoSum Functions
- Text Functions
- Multi-Input Functions
- Absolute Cell References

#### Formatting

- Formatting
- Format Painter
- Conditional Format

#### Charts & Tables

- Line Chart
- Column Chart
- Pie Chart

- Tables

### **Workbook Management**

- Printing
- Worksheets
- Repeat Action
- Shortcuts

### **End of Class Project**

- Using Formulas to Analyze Financial Data
- Save and Close

## **Intermediate Excel for Business**

### **Worksheet Management**

- Navigation
- Paste Special

### **Working with Text**

- Splitting Text
- Joining Text
- Named Ranges
- Data Validation
- Sort & Filter
- Remove Duplicates

### **Database Functions**

- VLOOKUP
- HLOOKUP
- VLOOKUP - Closet Match

### **Logical Functions**

- AND, OR
- IF statements

### **Pivot Tables**

- Pivot Tables
- Pivot Tables & Grouping
- Multiple Pivot Tables

### **Statistical Functions**

- Ranking
- COUNTIFS
- SUMIFS

### **Advanced Charts**

- Combo Charts
- Use Charts & Functions to Build a Financial Summary Excel Sheet

# Advanced Excel for Finance

## Excel for Financial Modeling

- Advanced techniques to Expedite Workflow
- Advanced Analytical Tools & Sensitivity Analysis
- Database Functions for Finance
- Functions for Financial Analysis

## Stock Market Fundamentals

### Introduction to Stocks

- Stock Fundamentals
- Stock indices
- Liquidity
- Dividend Yields
- Exchange Traded Funds (ETFs)

### Intermediate Stock Topics

- Market Capitalization
- P/E Ratios
- EV/EBITDA Multiples
- Stock Movement
- Earnings Release
- Interest Rates
- Economic Trends

### Bond Investing + Stock Options

- Types of Bonds
- Bond Pricing, Yields, and Spread
- Credit Ratings & Risks
- Call & Put Options
- Option Strategies & Hedging

## Foundational Accounting Topics

### Intro to Accounting

- Financial Reports
- Types of Financial Statements
- GAAP
- Cash vs. Accrual Accounting

### Income Statement, Balance Sheet, and Cash Flow Statement

- Essential Line Items
- Profit Ratios & Margins
- Depreciation and Amortization
- EBITDA
- $\text{Assets} = \text{Liabilities} + \text{Stockholder's Equity}$

- Changes in PP&E
- Working Capital
- Cash flow from Investing, Financing, and Operations
- Indirect Method

## **Corporate Finance & Financial Modeling**

### **Introduction to Corporate Finance**

- Enterprise value
- Financial Accounting & Statement Analysis
- Three Statement Model
- Intro to DCF Modeling
- Sensitivity Analysis

### **Company Analysis**

- Discuss the business model and value drivers of a public restaurant company
- Capital Structure: Calculate the total enterprise value and build a capital structure table
- Ratios: Calculate the financial ratios
- Decide if this is a good or bad investment