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Offered By



Business and Financial Modeling Specialization

Build Business and Financial Models. Use spreadsheet models to make data-driven financial decisions

Enroll
Starts Mar 06

Try for Free: Enroll to start your 7-day full access free trial

Financial aid available

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About this Specialization

Wharton's Business and Financial Modeling Specialization is designed to help you make informed business and financial decisions. These foundational courses will introduce you to spreadsheet models, modeling techniques, and common applications for investment analysis, company valuation, forecasting, and more. When you complete the Specialization, you'll be ready to use your own data to describe realities, build scenarios, and predict performance.

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WHAT YOU WILL LEARN

- ✓ Create your own quantitative models
- ✓ Harness the power of spreadsheets to map and predict data
- ✓ Structure your decision-making for optimum results
- ✓ Understand the measurement and management of risk

SKILLS YOU WILL GAIN

Financial Modeling Microsoft Excel Simulation Linear Programming (LP)



100% online courses

Start instantly and learn at your own schedule.



Flexible Schedule

Set and maintain flexible deadlines.



Beginner Level



Approx. 2 months to complete

Suggested 8 hours/week



English

Subtitles: English, Russian, Portuguese (Brazilian)

How the Specialization Works

Take Courses

A Coursera Specialization is a series of courses that helps you master a skill. To begin, enroll in the Specialization directly, or review its courses and choose the one you'd like to start with. When you subscribe to a course that is part of a Specialization, you're automatically subscribed to the full Specialization. It's okay to complete just one course — you can pause your learning or end your subscription at any time. Visit your learner dashboard to track your course enrollments and your progress.

Hands-on Project

Every Specialization includes a hands-on project. You'll need to successfully finish the project(s) to complete the Specialization and earn your certificate. If the Specialization includes a separate course for the hands-on project, you'll need to finish each of the other courses before you can start it.

Earn a Certificate

When you finish every course and complete the hands-on project, you'll earn a Certificate that you can share with prospective employers and your professional network.



There are 5 Courses in this Specialization

COURSE

1

Fundamentals of Quantitative Modeling

★★★★★ **4.6** 3,491 ratings • 699 reviews

How can you put data to work for you? Specifically, how can numbers in a spreadsheet tell us about present and past business activities, and how can we use them to forecast the future? The answer is in building quantitative models, and this course is designed to help y... **SHOW A**

COURSE

2

Introduction to Spreadsheets and Models

★★★★★ 4.2 1,924 ratings • 332 reviews

The simple spreadsheet is one of the most powerful data analysis tools that exists, and it's available to almost anyone. Major corporations and small businesses alike use spreadsheet models to determine where key measures of their success are now, and where they are likely to be in the future. But in order to get the most out of a spreadsheet, you have the know-how to use it. This course is designed to give you an introduction to basic spreadsheet tools and formulas so that you can begin harness the power of spreadsheets to map the data you have now and to predict the data you may have in the future. Through short, easy-to-follow demonstrations, you'll learn how to use Excel or Sheets so that you can begin to build models and decision trees in future courses in this Specialization. Basic familiarity with, and access to, Excel or Sheets is required. [SHOW LESS](#)

COURSE

3

Modeling Risk and Realities

★★★★★ 4.6 1,268 ratings • 171 reviews

Useful quantitative models help you to make informed decisions both in situations in which the factors affecting your decision are clear, as well as in situations in which some important factors are not clear at all. In this course, you can learn how to create quantitative models. [SHOW A](#)

COURSE

4

Decision-Making and Scenarios

★★★★★ 4.6 970 ratings • 129 reviews

This course is designed to show you how to use quantitative models to transform data into better business decisions. You'll learn both how to use models to facilitate decision-making and also how to structure decision-making for optimum results. Two of Wharton's most acclaimed professors will show you the step-by-step processes of modeling common business and financial scenarios, so you can significantly improve your ability to structure complex problems and derive useful insights about alternatives. Once you've created models of existing realities, possible risks, and alternative scenarios, you can determine the best solution for your business or enterprise, using the decision-making tool and techniques you've learned in this course. [SHOW LESS](#)

COURSE

5

Wharton Business and Financial Modeling Capstone

★★★★★ 4.6 285 ratings • 44 reviews

In this Capstone you will recommend a business strategy based on a data model you've constructed. Using a data set designed by Wharton Research Data Services (WRDS), you will implement quantitative models in spreadsheets to identify the best opportunities for success and minimizing risk. Using your newly acquired decision-making skills, you will structure a decision and present this course of action in a professional quality PowerPoint presentation which includes both data and data analysis from your quantitative models. Wharton Research Data Services (WRDS) is the leading data research platform and business intelligence tool for over 30,000 corporate, academic, government and nonprofit clients in 33 countries. WRDS provides the user with one location to access over 200 terabytes of data across multiple disciplines including Accounting, Banking, Economics, ESG, Finance, Insurance, Marketing, and Statistics. [SHOW LESS](#)

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Instructors



Richard Waterman

Professor of Statistics
Statistics-Wharton School



Robert W. Holthausen

Professor
Accounting



Don Huesman

Managing Director, Wharton Online
Innovation Group- Wharton School



Senthil Veeraraghavan

Associate Professor of Operations, Information and
Decisions
The Wharton School



Richard Lambert

Professor of Accounting
Accounting- Wharton School



Sergei Savin

Associate Professor of Operations, Information and
Decisions
The Wharton School

About University of Pennsylvania

The University of Pennsylvania (commonly referred to as Penn) is a private university, located in Philadelphia, Pennsylvania, United States. A member of the Ivy League, Penn is the fourth-oldest institution of higher education in the United States, and considers itself to be the first university in the United States with both undergraduate and graduate studies.

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You can share your Course Certificates in the Certifications section of your LinkedIn profile, on printed resumes, CVs, or other documents.

Frequently Asked Questions

> What is the refund policy?

If you subscribed, you get a 7-day free trial during which you can cancel at no penalty. After that, we don't give refunds, but you can cancel your subscription at any time. [See our full refund policy.](#)

> Can I just enroll in a single course?

Yes! To get started, click the course card that interests you and enroll. You can enroll and complete the course to earn a shareable certificate, or you can audit it to view the course materials for free. When you subscribe to a course that is part of a specialization, you're automatically subscribed to the full Specialization. Visit your learner dashboard to track your progress.

> Is financial aid available?
Yes, Coursera provides financial aid to learners who cannot afford the fee. Apply for it by clicking on the Financial Aid link beneath the "Enroll" button on the left. You'll be prompted to complete an application and will be notified if you are approved. You'll need to complete this step for each course in the Specialization, including the Capstone Project. [Learn more.](#)

> Can I take the course for free?
When you enroll in the course, you get access to all of the courses in the Specialization, and you earn a certificate when you complete the work. If you only want to read and view the course content, you can audit the course for free. [Is this course really 100% online? Do I need to attend any classes in person?](#)

If you cannot afford the fee, [you can apply for financial aid.](#)
This course is completely online, so there's no need to show up to a classroom in person. You can access your lectures, readings and assignments anytime and anywhere via the web or your mobile device.

> How long does it take to complete the Specialization?

Time to completion will vary based on your schedule, but we anticipate most learners being able to finish the material in 6 months.

> How often is each course in the Specialization offered?

Each course in the Specialization is offered at least once every month, although they may be offered more frequently.

> What background knowledge is necessary?

No specific background is required—this Specialization is ideal for employees, entrepreneurs, managers, consultants, or anyone aiming to hone their spreadsheet and modeling skills. Knowledge of high-school level math (through pre-calculus) is suggested.

> Do I need to take the courses in a specific order?
Although you can take the courses in this Specialization in any order, we do recommend that you follow the suggested sequence of courses (Introduction to Spreadsheets, Fundamentals of Quantitative Modeling, Modeling Risk and Rewards, Decision Making and Scenarios), especially if you are new to the study of spreadsheets and modeling.

> Will I take university credit for completing the Specialization?
Coursera courses and certificates don't carry university credit, though some universities may choose to accept Specialization Certificates for credit. Check with your institution to learn more.

> What will I be able to do upon completing the Specialization?

In this Specialization, you'll learn both how spreadsheets work and how they may be used to build scenarios, predict performance, and inform decision-making. [More questions? Visit the Learner Help Center.](#)

At the end of what our Business and Financial Modeling Specialization, you'll be able to use spreadsheets to create basic business models that optimize and predict outcomes, so that you can make decisions for your business based on data. You can use this knowledge to

coursera

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