Quantitative Associate Program


Who we are
Whatever your professional ambitions and desires may be, we hope you’ll consider fulfilling them with us. Wells Fargo & Company is a nationwide, diversified, community-based financial services company with $1.9 trillion in assets. Founded in 1852 and headquartered in San Francisco, Wells Fargo provides banking, insurance, investments, mortgage, and consumer and commercial financial services through more than 8,500 locations, 13,000 ATMs, online (wellsfargo.com) and mobile devices. We do business with 70 million customers and one in three U.S. households. Wells Fargo has approximately 271,000 team members in 42 countries and territories across our more than 90 businesses.

Program overview
The Quantitative Associate program is designed to provide qualified candidates with the opportunity to gain comprehensive professional and industry experience that prepares them to develop, implement, calibrate, validate or audit various analytical models. The Program will place each successful candidate in a 12-month rotational program, followed by permanent placement.

Our Capital Markets track (Job Opening ID 5363828) gives Associates the opportunity to develop and validate mathematical models for pricing and hedging complex financial instruments. They will also educate the trading desk on the strengths and weaknesses of models and provide model analysis. After the 12-month program, Associates can be placed in one of the following areas: Mortgages, Securities Trading, Model Validation or Corporate Risk Analytics.

Our Credit & Operational Risk tracks (Job Opening ID 5363743) provide Associates the opportunity to work with various lines of business to develop, validate, implement and calibrate statistical models for loss forecasting, credit risk scorecard, risk segmentation and stress testing for a variety of lending products and operational risk processes. Associates provide high-quality analytics to help our business identify, quantify, and mitigate risks. After the 12-month program, Associates will be placed within Credit or Operational Risk.

Responsibilities
• Perform core mathematical and statistical model development, validation or auditing
• Lead and participate in model risk projects supporting various purposes, methodologies and lines of business
• Stay up to speed on industry challenges and new and innovative modeling techniques to ensure Wells Fargo maintains “best in class” practice
• Understand credit & operational processes, work flows and issues to sufficiently document and make recommendations for process improvements
• Understand business needs and provide possible solutions by explaining in a clear verbal and written communications to management and fellow team members.

Training
Classroom and web based:
• Systems training
• Product training
• Functional training
• Professional development

Qualifications
• PhD or Master’s degree in Mathematics, Statistics, Computer Science, Economics, Physics, Quantitative Finance, Operations Research, Applied or Computational Mathematics, Engineering or a related quantitative field:
  o PhD candidates should have completed their PhD or have an expected graduation no later than June 2018 (all requirements including thesis defense must be completed by the program start date)
  o Masters candidates should have completed their degree or have an expected graduation date no later than June 2018
• Experience and ability to demonstrate first-hand knowledge in the areas of data analytics, modeling, statistical inference, computing, big data and machine learning
• Excellent computer programming skills and use of statistical software packages such as C++, Python, R, SAS and SQL
• Proven written and oral communication skills as well as interpersonal skills
• Demonstrated ability to prioritize work, meet deadlines, achieve goals and work under pressure in a dynamic and complex environment
• Ability to develop partnerships and collaborate with other business and function areas
• Resume submission should include a list of relevant graduate courses taken and a description of research as well as practical experience and projects

Locations
Positions are available in:
• Charlotte, NC
• New York, NY
• Atlanta, GA
• San Francisco, CA
• Minneapolis, MN

Application process
Apply for the individual job tracks online at www.wellsfargo.com/careers by referencing the Job Opening ID listed next to each track. All job seekers must first create a job seeker profile. Click on “Search jobs in the United States”, then select “Register Now” and follow the simple instructions to complete your profile. The deadline to apply is December 8, 2017.

Interview process
First round interviews may take place onsite or via phone. Final round interviews will occur at our offices in Charlotte (NC) in January 2018.

Additional information
Email quantprogram@wellsfargo.com for more information.

Together we’ll go far
Quantitative Associate – Credit & Operational Risk

Wells Fargo & Company is a nationwide, diversified, community-based financial services company that is headquartered in San Francisco with major locations around the country. Founded in 1852, Wells Fargo has more than 271,000 team members, and we serve about one in three households in the United States.

As one of the country's oldest and most stable companies, we're always looking for sharp and ambitious individuals to join the Wells Fargo family. We provide an exciting and diverse environment where you'll have the ability to work on a range of interesting problems. You'll also have the opportunity to move around the company as you use your problem-solving, organizational and communications skills to build your career.

The Quantitative Associate program provides qualified candidates with the opportunity to gain comprehensive professional and industry experience in order to develop, implement, calibrate, validate or audit analytical models. Applications include loss and revenue forecasting, financial crimes, fair lending, operational risks and stress testing. Associates will work with business units and other organizations on selected lending products, operational risk processes, model validation or model audit.

The ideal candidate will have a PhD or Master's degree in Statistics, Economics, Computer Science, Operations Research, Applied or Computational Mathematics, Engineering or a related quantitative field:

- PhD applicants should have completed their PhD or have an expected graduation date no later than June 2018 (all requirements including thesis defense must be completed by this date)
- Master's applicants should have completed their Master's or have an expected graduation date no later than June 2018

The program will begin with a combination of orientation, classroom training and professional development activities. Associates will initially be placed in a 12-month rotational program followed by a placement within Credit Risk or Operational Risk. Associates will have the opportunity to influence risk management strategies, interact with senior leaders, excel through individual coaching and mentoring and participate in team building activities.

Responsibilities will include (but are not limited to):

- Perform core mathematical and statistical model development, validation or auditing under the direction of more experienced team members
- Produce required documentation to evidence model development, validation and/or auditing
- Perform analytical research in response to requests or assignments
- Understand credit and operational processes, work flows and issues to sufficiently document and make recommendations for process improvements
- Understand business needs and provide possible solutions through clear verbal and written communications to management and fellow team members
- Lead and participate in model risk projects supporting varying purposes, methodologies and lines of business
- Read and understand technical papers and their application to Wells Fargo modeling problems
- Stay up to speed on industry challenges as well as new and innovative modeling techniques to ensure Wells Fargo maintains "best in class" practice
- Stay current with bank regulatory framework and developments
- Bring closure to issues, questions and requests
- Solve problems independently or collaborate on solutions as a member of a team

Required Qualifications:

- Master's degree or higher in a quantitative field such as statistics, mathematics, physics, engineering, computer science, or economics
Other Desired Qualifications:

- PhD or Master's degree in Statistics, Economics, Computer Science, Operations Research, Applied or Computational Mathematics, Engineering or a related quantitative field:
  - PhD applicants should have completed their PhD or have an expected graduation date no later than June 2018 (all requirements including thesis defense must be completed by this date)
  - Master's applicants should have completed their Master's or have an expected graduation date no later than June 2018
- Experience and ability to demonstrate first-hand knowledge in these areas: data analytics, modeling, statistical inference, computing, big data and machine learning
- Excellent computer programming skills and use of statistical software packages such as C++, Python, R, SAS and SQL
- Good verbal and written communication skills as well interpersonal skills
- Ability to prioritize work, meet deadlines, achieve goals, and work under pressure in a dynamic and complex environment
- Ability to develop partnerships and collaborate with other business and functional areas