## Overview

### Overview

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|---|---|
| Inactive | No |
| Effective Date | 11/17/2021 |
| Date of Last Change | 10/01/2021 05:01:32.222 PM |
| Job Profile Name | 03C SENIOR QUANTITATIVE ANALYST 165401 |
| Job Code | C_165401 |
| Include Job Code in Name | No |

**Job Profile Summary**

This Job Description is within Quantitative Analytics Job Family and is aimed primarily for positions within the Financial Monitoring Group (FMG), Retail Risk Analysis (RRA), and Risk Assessment, Data Analysis and Research (RADAR) business lines; but could include anyone within the Supervision Regulation and Credit (SRC) department that performs these tasks. An ideal candidate must have knowledge of and be able to perform actions that are related to activities in the designated business line.

The Senior Quantitative Analyst has a strong interest in supervisory processes, banking products and applicable laws and regulations, in addition to an advanced understanding of banking risks and risk management strategies.

The Senior Quantitative Analyst serves as an advanced technical SME within an assigned risk area, with responsibilities that may include evaluating trends in the banking industry, identifying factors that pose risk to the financial system, and communicating relevant findings to internal stakeholders. He/she may support senior staff on system-wide analytical initiatives related to consumer credit, bank risk, or regulatory policies pertaining to these matters that may include: horizontal studies on bank safety and soundness, research projects, implementation of the models used for the annual Dodd Frank Act (DFAST) and Comprehensive Capital Analysis and Review (CCAR) stress tests, among others.

**Job Description**

40%

Supports the development or implementation of supervisory retail loss models, the data related to those models, or the qualitative evaluation of industry models through participation in the DFAST and CCAR exercises.

40%

Analyze consumer credit or fixed income securities such as tracking the performance of key variables to identify possible sources of emerging risks for bank examiners, subject matter experts, CCAR modelers or other System personnel.

15%

Lead or collaborate with senior staff on statistical and econometric research projects, including collecting and analyzing data, reviewing prior research, writing research reports, and presenting results to officers and staff.

5%

May participate on bank, department, or system projects. Fulfills job duties and responsibilities in conformance with sound safety practices. Demonstrates effective SRC Core Competency skills for grade and position. Performs other related duties as assigned.

**Knowledge and Skills:**

- Strong written and oral communications skills.
- Independently presents findings and assessments concerning highly complex supervisory matters or institutions; demonstrates ability to discuss the most complex issues with any stakeholder either within or outside the Division; assists others in their communication to achieve a consistent message, tone, style and format; diffuses conflict and builds consensus; actively engages in transferring technical knowledge; demonstrates effective use of listening skills and the ability to manage the communication process.
- Demonstrates strong analytical skills; uses appropriate strong analytical and problem solving skills. complex to high complex diagnostic- and root-cause analysis skills to identify direct and indirect causes of problems of unknown origin; gathers tangible and factual evidence from many sources; recognizes symptoms that may indicate severe problems or issues; organizes data and information in a manner that effectively communicates issues and underlying causes.
- Ability to collect and analyze data to track performance of key variables and identify possible sources of emerging risks within the financial sector.
- Experience working with large datasets using statistical software, such as SAS or Stata, is required.
- Strong interpersonal skills.Demonstrates the ability to effectively lead a team; draws on experience to resolve complex issues; leads complex and diverse team efforts through technical expertise and leadership/skills of influence; leverages relationships and networks to accomplish goals and objectives; encourages and supports other team members to develop productive work relationships.
- Strong time management skills.Identifies and assesses highly complex supervisory issues; able to effectively manage highly complex supervisory issues to achieve supervisory or organizational goals.
- Subject to little to no oversight in work performed; may serve as mentor/coach; may coordinate and/or supervise activities of others; applies specific experience and expertise in business line and recommends preferred courses of action to guide management in highly complex matters.
- Senior Quantitative Analysts are highly motivated individuals who are able to work under moderate supervision and interested in consumer credit or bank risk.

**Education and Experience:**

Bachelor's degree in a business or quantitative discipline, such as economics, finance, or statistics is required, with a minimum of five years of industry experience.

An advanced degree in a business or quantitative discipline is strongly preferred.

**Other Requirements:** Applicants must be able to provide work authorization to prove their eligibility to work in the United States. An applicant for employment also must be a U.S. Citizen, U.S. National, or hold a permanent resident/green card with intent to become a U.S. Citizen.

**Physical Requirements:** None

**NOTE:** This document indicates the general nature and level of work performed by employees within this position. It is not a comprehensive inventory of all duties, responsibilities, and qualifications required of employees assigned to this job. An employee's responsibilities, tasks, and duties might differ from those outlined in the job description, and other duties, as assigned, are a part of the job. The Federal Reserve Bank of Philadelphia reserves the right to modify the elements of this job description, as business needs require.

Additional Information (Internal Only)

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|---|---|
| Job Title Default | SENIOR QUANTITATIVE ANALYST |
| Restrict to Country | |
| Management Level | Individual Contributor |
| Job Family | SRC Family of Jobs |
| Job Classifications | 0840 - Financial Analysts (US OCC-United States of America)<br>2 - Professionals (EEO1CODE-United States of America)<br>BKS - Banking Supervision & Regulat. (JOB FUNCTION-United States of America)<br>C2E1 - Senior Financial Professionals (EEO JOB GROUP-United States of America)<br>ZS - Professional Generalists (EEO5CODE-United States of America) |
| Work Shift Required | Yes |
| Public Job | Yes |
| Referral Payment Plan | |

## Characteristics

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|---|---|
| Difficulty to Fill | |
| Critical Job | No |

## Compensation

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|---|---|
| Compensation Grade | 03C 015 Annual |
| Compensation Grade Profile | |
| Impacted Eligibility Rules | |

# Qualifications

## Certifications

Certification

| Required | Country | Certification (Predefined) | Certification (Not Predefined) | Issuer (Not Predefined) |
|---|---|---|---|---|

## Competencies

Competencies

| Required | Competency | Target Rating |
|---|---|---|

Competencies from Other Sources

| Required | Competency | Target Rating | Source | Source Type |
|---|---|---|---|---|

## Education

Education

| Required | Degree | Field of Study |
|---|---|---|

## Languages

Languages

| Required | Language | Ability | Proficiency |
|---|---|---|---|

## Responsibilities

Responsibilities

| Required | Responsibility |
|---|---|

## Training

Training

| Required | Training | Training Type | Description |
|---|---|---|---|

## Work Experience

Work Experience

| Required | Work Experience | Experience Level |
|---|---|---|

## Equivalence Rule

Equivalence Rule

| Equivalence Rule | Derived Logic |
|---|---|

# Pay

## Pay Rate Type

Pay Rate Types

| Country | Pay Rate Type |
|---|---|
| United States of America | Salary |

## Job Exempt

Job Exempt

| Country / Country Region | Job Exempt |
|---|---|
| United States of America | Yes |

## Workers' Compensation Code

Worker's Compensation Codes

| Workers' Compensation Code | Country | Country Region | Location |
|---|---|---|---|
| 998 - 998 (United States of America) | United States of America | | |