



EUROPEAN CENTRAL BANK

EUROSYSTEM

## Traineeships in Economics

Reference 2018-271-TRA

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<b>Type of contract</b>	Traineeship of between 3 and 12 months in total
<b>Who can apply</b>	EU nationals eligible for our traineeship programme ( <a href="https://www.ecb.europa.eu/careers/what-we-offer/traineeship/html/index.en.html">https://www.ecb.europa.eu/careers/what-we-offer/traineeship/html/index.en.html</a> )
<b>Salary</b>	The trainee grant is €1,050 per month plus an accommodation allowance.
<b>Working time</b>	Full-time
<b>Place of work</b>	Frankfurt am Main, Germany
<b>Closing date for applications</b>	03 December 2018

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### Your team

You will be part of the Directorate General Economics. Our Directorate General prepares the monetary policy decisions of the Governing Council and all related ECB/Eurosystem/ESCB policy positions. Our activities cover the euro area as a whole, individual euro area countries and non-euro area EU countries. Our output includes articles and studies in publications such as the ECB's Economic Bulletin, Annual Report, Occasional Paper Series and Working Paper Series.

You will join one of the following teams.

In the Prices and Costs Division, we monitor, analyse and forecast nominal macroeconomic developments in the euro area and its countries and sectors. We assess inflationary pressures from the external environment and from wage and profit developments, as well as the associated prospects, risks and uncertainties. We prepare the macroeconomic projections for some euro area countries, as well as external communications on nominal euro area macroeconomic developments.

In the Fiscal Policies Division, we monitor and assess the fiscal policies of the EU Member States and the fiscal stance in the euro area, as well as providing fiscal forecasts for individual countries. We also assess the sustainability of public finances in the EU and carry out analytical work on the effects of fiscal policy on the macroeconomy, the interaction between fiscal policy, monetary policy and the financial sector, and issues related to fiscal surveillance and EMU deepening.

In the Forecast Coordination team, we organise and coordinate the ECB/Eurosystem staff macroeconomic projection exercises, liaising with all the relevant ECB business areas and national central banks. We coordinate the preparation of the projection figures, reports and related presentations to senior managers and policymakers, and produce the published projection articles. We also develop, maintain and run tools relating to adverse macroeconomic scenarios for the EBA stress tests.

To further enhance the diversity of our team, we particularly encourage applications from female candidates.

### Your role

As a trainee you will:

- work closely with the Division's economists and research analysts, contributing to its daily tasks, as well as to longer-term analytical projects;
- collaborate with economists on enhancing analytical and econometric tools;
- carry out independent empirical analyses and analytical projects;
- work extensively with datasets and databases, including macroeconomic and microeconomic data, financial data, and intraday data, so as to maintain, update and further develop the data infrastructure;
- collaborate with economists and research analysts on developing new visualisation tools and enhancing existing ones;
- contribute to the update of charts and tables for regular internal and external reports and PowerPoint presentations in liaison with other ECB business areas.

The positions offer you excellent opportunities to enhance your quantitative skills, work on analytical tasks and collaborate with experienced central bank economists. They also provide a unique opportunity to gain insight into analysis and policy within a central bank, as well as to further develop your career. While we will assign you a supervisor, you will be expected to work mainly on your own initiative and in a largely independent way. You will have access to the ECB library and key econometrics software packages, as well as large, complex and sometimes confidential databases and a wealth of information that will support you in your work. You will be part of a multicultural team that strives for continuous innovation to make a positive impact on the lives of European citizens.

### **Qualifications, experience and skills**

Essential:

- a bachelor's degree or higher in economics, finance, mathematics, statistics, data science or a related field;
- experience in using statistical and econometric software, such as Python, R, MATLAB, EViews or Stata, with one or more of the following types of economic data: macroeconomic data, financial market data, firm-level data, other micro data, or large datasets ("big data");
- advanced knowledge of MS Office, in particular Excel and PowerPoint;
- a sound understanding of the economic issues covered by at least one of the divisions listed above;
- an advanced command of English and an intermediate command of at least one other official language of the EU.

Desired:

- a master's degree or higher in economics, finance, mathematics, statistics, data science or a related field, or studies towards such a qualification, with prospective graduation in 2019;
- programming experience in Python, R, SQL, C++ and/or Javascript;
- experience with Visual Basic for Applications (VBA) for Excel and/or with managing relational databases using SQL and/or developing data visualisation tools (including knowledge of Tableau and/or other visualisation tools and/or Apache Hadoop);
- experience in using market data services such as Bloomberg, Datastream and Haver Analytics.

You are curious and eager to learn, and want to further develop your ability to analyse complex information. You are keen to collaborate with others, pursue team goals and learn from other people's diverse perspectives. You strive to know and anticipate stakeholder needs, and will signal any need for change and propose alternative solutions.

### **Further Information**

Some of the contracts offered could last from 6 to 12 months.  
The recruitment process for this position may include an online interview via WebEx

### **Application and selection process**

For further information on how to join us,  
<http://www.ecb.europa.eu/careers/before-you-apply/html/index.en.html>.