

Allegato A

Factsheet - no. 1 Technologist (pursuant to art. 24-bis law no. 240/2010) at Department of Economics and Statistics

Profile: Technologist

Places available: 1

Area/Assignment Sector: Equivalent to economic position D3, Officers and Higher Qualifications Area (ex Cat. D)

Duration of the contract: 36 months – full time

Workplace: Department Economics and Statistics (DEPS) - Siena

Job description: Creation of an integrated platform and support for its implementation in the field of sustainability, aimed at the statistical analysis of data from companies operating within the supply chain.

The integrated sustainability system to be developed, structured on the basis of both environmental and socio-economic statistical indicators, will enable the assessment of sustainability performance at both the company and territorial levels. It will therefore provide decision-making support for the design of strategies capable of introducing corrective actions and/or implementing development plans consistent with the Sustainable Development Goals (SDGs) of the United Nations 2030 Agenda. At the same time, the integrated platform will facilitate the establishment of a corporate reporting and disclosure system aligned with the SDGs and with the most relevant national and international sustainability standards, including those developed by the Global Reporting Initiative (GRI) and the Sustainability Accounting Standards Board (SASB). These tools will also contribute to strengthening relationships with lenders and investors, who are increasingly attentive to the sustainability performance of the activities and investments they support.

Application requirements: Second cycle degree (Laurea magistrale LM) (under M.D. 270/04) or Laurea specialistica (LS) (under M.D. 509/99) or Diploma di laurea (DL, prior to M.D. 509/99) equivalent.

Economics (Economics / Business / Finance)

LM-16 – Finance

LM-56 – Economics

LM-76 – Economics for the Environment and Culture

LM-77 – Business Administration and Management

LM/GASTR – Economic and Social Sciences of Gastronomy

Statistics, Actuarial Sciences and Data

LM-82 – Statistical Sciences

LM-83 – Actuarial and Financial Statistical Sciences

LM Data – Data Science

Professional knowledge and skills:

Advanced skills in statistics, economics, and computer science, with the ability to apply quantitative methods to the analysis of phenomena and processes.

Proficiency in programming languages for data analysis, particularly Python and/or R, including the management, cleaning, processing, and transformation of statistical data.

Advanced knowledge of Machine Learning and Artificial Intelligence techniques, including predictive modelling, classification, clustering, and statistical model performance evaluation.

Documented experience in the agri-food sector, gained through data analysis activities and/or applied projects; knowledge of the sector's ecosystem and value-chain stakeholders (companies, consortia, public bodies, institutions, and research organisations), with the ability to interpret sector-specific data and needs.

Foreign languages: advanced english

The **written exam** consists of short essay.

The maximum score is 30 points, and the minimum score required to pass the exam is 21/30.

Written exam topics: please refer to the “Professional knowledge and skills” section.

The **oral exam** consists of an interview, conducted partially in English, aimed at assessing the knowledge and skills specified above, as well as verifying the candidate's technical-professional abilities, maturity of thought, cultural knowledge, and theoretical-practical aptitudes relevant to performing the duties of the position open for competition.

For non-native Italian speaking candidates, proficiency in the Italian language will be assessed.

Knowledge of the most common IT applications will also be verified.

The maximum score is 30 points; the minimum score required to pass the exam is 21/30.

Oral exam topics: please refer to the “Professional knowledge and skills” section.

Assessable qualifications (max. 18 points):

- Academic qualifications (PhD, research fellowships, scholarships, etc.);
- Professional experience relevant to the research project, gained through laboratory activities, research projects, and/or work carried out at universities;
- Participation in training courses, conferences, congresses, seminars, and related activities;
- Language knowledge and skills, supported by relevant certifications.