

## Internship Program for Digital Transformation students at the Faculty of Management, University of Gdańsk

**Place of internship:** Entities related to IT and analytical activities, such as companies that develop and maintain IT systems, deal with data analysis, econometric modeling, database design, statistical research, economic consulting, and software development and management.

**Number of internship hours:** 200 hours (45 minutes each) – internship settlement in the third semester

**Students should complete internships in the following areas (scope of internships – order optional):**

- IT systems: design, implementation, and maintenance of IT systems in companies, database management, computer network administration.
- data analysis and forecasting: preparation and interpretation of analytical reports, business data analysis, econometric modeling, forecasting of financial and operating results.
- statistical research: designing and conducting statistical research, calculating and interpreting results and applying them in decision-making processes.
- software development: designing, programming and managing the application development process using modern tools and techniques.
- IT security: analysis and management of data security in IT systems, including protection of local networks and databases.
- IT project management: coordination of IT projects, analysis of business requirements, implementation and testing of systems.
- quantitative methods in business: practical application of quantitative methods to market analysis, business performance evaluation, and strategic decision-making.
- practical aspects of modeling: construction and verification of econometric models to support decision-making processes in the private and public sectors.

**As part of their internship, students should have the opportunity to:**

- apply their knowledge in practice: participate in real business activities, such as data analysis, forecasting, IT project development, IT system operation, database design, and implementation process management.
- familiarize themselves with the technological infrastructure: gain experience in the functioning of company IT systems, local computer networks, database systems, and tools used in data analysis and econometric modeling.
- learn about the specifics of the industry: understand key aspects of the company's operations, its organizational structure, and documentation of typical business events, with particular emphasis on IT systems.
- develop analytical and business skills: practical design and implementation of statistical research, calculation and interpretation of results for statistical populations, construction of econometric

models, as well as the application of quantitative methods in business evaluation and decision making.

- familiarize themselves with tools and methods: acquire skills in designing and administering databases, creating programs using modern techniques, managing the software development process, and ensuring IT security in an organization.

**As part of the internship, organizations should enable students to:**

- apply theoretical knowledge in the field of computer science and econometrics in practice, while developing analytical, technical, social, business, and managerial skills.
- familiarize themselves with the functioning of the selected organization at various levels, such as data analysis, forecasting, IT system design, database administration, local computer network management, and IT support.
- familiarize themselves with the specifics of the IT and data analytics market, enabling the practical application of knowledge in the context of the functioning of enterprises and institutions in a market environment.
- develop professional skills and competences through active participation in IT projects, statistical data analysis, and econometric modeling.
- familiarize themselves with methods of documenting work and evaluating the effectiveness of an organization's activities, including reporting analysis results and process optimization.
- familiarize themselves with IT tools and systems used in companies, such as database systems, quantitative analysis programs, forecasting systems, and IT project management platforms.