

Financial

Tuition fees

For the 2021/2022 academic year the tuition fee is 3000 EUR per academic year (two semesters) for non-EU citizens or 1850 BGN for Bulgarian and EU citizens. The state admission fee for Bulgarian citizens is 700 BGN per academic year. This covers supervision, courses, examinations and charges for laboratory equipment and materials. The tuition fee is payable in two equal parts at the beginning of each semester.

Way of payment

The payment should be made by bank transfer to the Technical University of Sofia or by debit/credit card at TU-Sofia.

The required amounts must reach the Technical University of Sofia before starting relevant semester.

Application

All applicants have to submit the following Application Documents:

1. Completed [Application Form](#) (to download from: www.tu-sofia.bg/foreign-applications)
2. Copy of applicant's bachelor's degree diploma
3. Two recent photographs of the applicant.

The document described in item 2 must be properly legalized, translated by a sworn translator into Bulgarian (or into English or French in case the above is not possible) and certified by relevant country's Ministry of Education, Ministry of Foreign Affairs and the Bulgarian Embassy. The applicants should contact us at katerina_litova@tu-sofia.bg for further admission information.

TECHNICAL UNIVERSITY OF SOFIA

ENGLISH LANGUAGE FACULTY OF ENGINEERING



in collaboration with
COCA-COLA HELLENIC

MASTER DEGREE COURSE IN INFORMATION TECHNOLOGY FOR BUSINESS MANAGEMENT



Accommodation

Accommodation at student dormitory is provided at a minimal cost. The basic cost of residence is up to 50 EUR per month. This includes provision of heating and electricity but not food. There are rooms for 2 or 3 persons; some are with phone connection and the Internet access.

Living expenses depend on individual tastes. Books and study materials cost about 110 EUR per semester, while libraries are free.

All documents should be mailed or delivered in person otherwise will not be processed.

Address

**Technical University of Sofia
8, "Kliment Ohridski" Blvd.,
Sofia 1000, Bulgaria**

English Language Faculty of Engineering
Technical University of Sofia (TUS)
8, Kliment Ohridski Blvd., 1000 Sofia, Bulgaria
tel. +359 2 965 2225, fax: +359 2 965 2225,
email: katerina_litova@tu-sofia.bg, room 2116

<http://www.tu-sofia.bg>
<https://elfe.tu-sofia.bg/>

Aims and objectives

After completing the course students will have:

- * *Acquired professional skills to analyze, design, develop and apply management resource systems in enterprises and software business applications to specific requirements and needs of the business enterprise unit within the administration and others.*
- * *Developed capabilities for preparation of technical documentation and decision-making about choice, implementation, operation and evaluation of different management resources systems in enterprises and software business applications.*
- * *Obtained high level knowledge, skills and understanding of how to deliver better business value through the effective management and use of information technology.*
- * *Possessed profound specialized training in application of SAP ERP systems in enterprises and companies.*
- * *Obtained practical knowledge in the field enterprise resource systems planning and their role in business integration systems.*
- * *Acquired competencies in different practical and theoretical aspects of business integration systems.*

After completing the course students will be able to:

- * *Work as consultants for ERP systems, SAP consultants to develop, implement and maintain ERP systems.*
- * *Work in companies dealing with ERP systems, companies engaged in the development of other business software solutions, specialists in ERP or SAP ERP in an enterprise.*
- * *Combine technical skills with practical business and people development knowledge in order to solve unique business issues in a wide range of enterprise and companies.*

Entry requirements

The course is open to graduates with good Honours Bachelor degree. In addition to degrees in science and engineering, many degrees in subjects as economics and business studies will meet this criterion. Students admitted onto the course are expected to have gained some experience in the use of computers. Students are required to show competences in both written and spoken English.

The Students successfully completed the M.Sc. Program will be awarded M.Sc. Degree in Information Technology for Business Management.

Course philosophy

Information Technology for Business Management (ITBM) is a combination of separate applications covering basic processes such as finance, logistics, manufacturing, human resources, etc., that are fully integrated using a common platform. Increasingly widespread application of ERP systems in business and public administration suggests a need for qualified staff. On the other hand, an analysis of the labor market in Bulgaria and the European Union show that the demand for IT professionals is the highest. The Master's program in ITBM is focused on the development and implementation of ERP systems putting an emphasis on SAP ERP in their capacity as a world leader in the field. This degree aims at developing opportunities for students to develop and implement an ERP system in enterprises.

Qualification characteristics of the ERP Systems is fully consistent with the current dynamic trends and practices in the field of ERP systems and reflect the requirements of knowledge, skills, abilities and competencies that students should acquire.

Course structure

The Master Program in ITBM is with duration of 3 semesters (12 modules). The third semester is fully dedicated to the preparation of student's final year project.

The academic year

The academic year is divided into two semesters (winter and summer), each approximately 15 weeks in length. The first semester starts in October and the second one starts in February. January and July are set aside for examinations.

The final year project aims at providing a unifying role. It requires the student to bring together the many different learning outcomes of the taught part of the course, and to employ these in solving practical problems. The project is a test of initiative and ability to work independently.

Modules

- 1. Enterprise Resource Planning Systems** – the course will provide a complete understanding of the ERP concepts and solutions allowing the business to have an integrated view of all Business Processes and other sub-processes which further allows efficiency and effectiveness in achieving the company's business goals.
- 2. E-Commerce** – the course will provide full understanding and practical exercises in E-commerce as use of electronic communications and digital information processing technology in business transactions to create, transform, and redefine relationships for value creation between or among organizations, and between organizations and individuals.
- 3. Business Intelligence** – the students will receive full understanding in the area of Business intelligence defined as a set of theories, methodologies, processes, architectures, and technologies that transform raw data into meaningful and useful information for business purposes.
- 4. Next Generation Business Application** – The course explores the uses of the new generation computer and information systems now under development in the leading companies by identifying their application, assessing their impact on society, and envisioning the transition to the future.
- 5. Managing Information Services in an Organization** - The course covers the world best practices in managing an IT organization like ITIL, COBIT, SOX, Data center and Vendor management.
- 6. Elective subject** – the students are able to choose between four subjects: *Financial Management for IT, Applications Programming Techniques, Information Technologies for Business Management, Client-Server Technologies.*
- 7. Information Technology Strategies Development** – the course will provide full understanding of why the effective and efficient utilization of information technology requires the alignment of the I/T strategies with the business strategies. The students will receive knowledge of how the business success depends on the linkage of business strategy, information technology strategy, organizational infrastructure and processes, and I/T infrastructure and processes.
- 8. Project Management** - the course provides participants the skills needed to execute business strategies effectively. The experience in the theory and research, is combined with practical instruction on the processes, organizational structures, and tools to ensure the project, program, and portfolio work yields the desired results.
- 9. IT for Business Transformation** – this course represents a shift in the role of technology beyond just business process management and business-IT alignment to that of IT business integration - creating a work environment in which the IT department and the CIO are not merely installing technology to support business processes but are also using technology to shape business strategy.
- 10. Human Resources** - the aim of this course is to analyze how people in organizations are managed and motivated, and addresses issues such as organizational structure and culture.
- 11. IT Solutions in Various Industries** - the course will provide knowledge of various industries and the specific applications that are used. Students will understand what are the main specifics in the IT tools of these business areas.
- 12. Elective subject** – the students are able to choose between four subjects: *Operations Scheduling in Manufacturing and Service Enterprises, Effective Enterprise Collaboration, Organizational Behavior, Knowledge Management.*