



Study program	Architecture and Design (2024/2025)
Faculty	Technical Sciences
Study Cycle	First Cycle (Undergraduate)
ECTS	180
Code	AD-180
Title	Bachelor of Architecture
Accreditation archive number [180]	03-254/3
Accreditation archive number []	
Decision for starting of the program	
Accreditation date	16.04.2024

Description of the program

With the introduction of undergraduate studies in Architecture and Design, as a separate first cycle, with an emphasis on professional orientation, a number of collaborators are profiled who are needed in the development of the economy, from construction as the primary focus, to smaller creative industries based on industrial and graphic design.

With the undergraduate studies in Architecture and Design, students acquire:

- knowledge of the various aspects of the design, planning and construction process, and their application in the development of various project documentation, which enables them to be solid technicians as collaborative staff in architectural and urban bureaus;
- graphic competences, i.e. mastering analog and digital tools for representing space and artistic expression, manual and machine craft skills such as making different types of models, which allows them a range of opportunities in the creative industry both within and outside the field of studying;
- communication skills, responsibility, precision and teamwork, which are the basics of the education to be an architect, and which are desirable in every working environment;

Architecture is a regulated profession under the Directive of the European Parliament and of the Council on the common recognition of diplomas, certificates and other evidence of formal qualifications in architecture (2005/36/EC), Article 46 of the Directive and the Directive of the European Association for Architectural Education (EAAE) of 2001. In the Republic of North Macedonia, architecture as a profession is defined by the Law on Construction, where access to the profession is regulated through the process of issuing authorizations by the Chamber of Certified Architects and other Certified Engineers of RNM and according to the Law on Higher Education (82/18 in Article 147/12), a mandatory condition for an architect to gain access to all authorizations in the field of architecture and urban planning is to have an architectural education at the university level with five years of studies - 300 ECTS credits.

By completing the first cycle - undergraduate studies in Architecture and Design with 180 ECTS, the student gets access to the B authorization for construction engineer, according to the Law on Construction, that is, the opportunity to manage the construction of buildings of the second category (B).

Career

Completing the first cycle of undergraduate studies in Architecture and Design provides a better access to the profession in accordance with the national framework of professional qualifications:

A. Acquiring the title of graduate engineer architect and the possibility of employment after the first cycle as a:

1. Construction engineer, according to the Law on Construction, that is, management of the construction of buildings of the second (B) category;

2. Architectural technician, supervisory technician, technical associate in architectural, urban and planning bureaus, expert associate for art and culture, graphic and multimedia designer, according to the National Classification of Occupations.

B. The possibility of continuing education in the second cycle of graduate studies in architecture and obtaining the title of master engineer architect, which allows full access to the architectural profession at different levels and in different areas that offers a comprehensive response to the needs of the labor market in the Republic of North Macedonia.

Learning outcomes

Knowledge and understanding

Demonstrates knowledge and understanding in the field of study that is build upon general secondary education and qualifications for entry into higher education.

Demonstrates knowledge and understanding necessary to analyze architectural and urban problems and synthesize them in design and planning solutions for different degrees of complexity, scale and type of buildings and spaces.

Demonstrates knowledge and understanding of the functional, psychological and sensory relationships that exist between people and the interior space and the role of shape, color, materials and new technologies in interior design.

Demonstrates knowledge and understanding of principles related to materials, constructions, installation systems and energy balances and their appropriate application in the design and construction of buildings.

Demonstrates knowledge and understanding necessary to establish appropriate attitude towards the building heritage in its protection and revitalization.

Applying knowledge and understanding

The acquired knowledge and understanding of professional problems can be applied in the preparation of basic or other types of detailed projects or documentation, from all domains of architectural or urban planning.

Applies knowledge and understanding based on knowledge of different concepts from the theory and history of architecture and the city and modern theory and practice in the process of shaping buildings, cities and the environment, taking into account aesthetic requirements, social needs and related requirements with the environment.

Making judgement

Demonstrates the ability to collect, analyze, evaluate and present information, ideas and concepts from complete, incomplete or limited relevant data, for key areas in the process of planning, designing and implementing facilities and space.

Demonstrates the ability to select appropriate methods, tools, and skills tailored to specific conditions and different degrees of complexity, scale, and type of objects and spaces.

Communication skills

Demonstrates the ability to communicate and use graphic, written and oral communications in the service of conveying one's own ideas and user needs in the process of creating and implementing projects in the fields of architecture and urbanism, as well as in the field of protection and revitalization of construction heritage.

Demonstrates the ability to participate in expert discussions, uses consultations on specific problems from complementary areas and is able to take professional responsibility in the team.

Learning skills

Demonstrates ability independently to identify needs for continuous education and professional development, engages in modern forms of learning and familiarity with technological innovation and can critically evaluate the appropriateness of learning methods, their impact on knowledge, skills, competence and relevant practice for his/her professional development.

List of courses

Semester 1

- [C2529] [6.0 ECTS] **Basics of Design**
- [C2527] [6.0 ECTS] **Basics of Design Studio**
- [C2532] [3.0 ECTS] **Computer Applications**
- [C2530] [3.0 ECTS] **Descriptive Geometry**
- [C2531] [3.0 ECTS] **Mathematics**
- [3.0 ECTS] **Albanian/Macedonian Language**
- [3.0 ECTS] **English Language**
- [3.0 ECTS] **Elective course**

Semester 2

- [C2538] [2.0 ECTS] **Practical Instructions 1**
- [C2537] [3.0 ECTS] **History of Architecture and Art I**
- [C2536] [3.0 ECTS] **Static in Architecture**
- [C2533] [6.0 ECTS] **Principles of Design Studio**
- [C2534] [6.0 ECTS] **Design Principles**
- [C2535] [3.0 ECTS] **Perspective**
- [3.0 ECTS] **English Language**
- [3.0 ECTS] **Albanian/Macedonian Language**
- [3.0 ECTS] **Elective course**

Semester 3

- [C2543] [4.0 ECTS] **Computer-Aided Design**
- [C2539] [6.0 ECTS] **Design Studio I**
- [C2540] [6.0 ECTS] **Design of Single-Family Housing Facilities**
- [C2541] [6.0 ECTS] **Constructive Design in Architecture I**
- [C2542] [4.0 ECTS] **History of Architecture and Art II**
- [4.0 ECTS] **Elective course**

Semester 4

- [C2545] [6.0 ECTS] **Design of Multi-Family Housing Facilities**
- [C2546] [6.0 ECTS] **Constructive Design in Architecture II**
- [C2547] [4.0 ECTS] **History of Architecture and Art III**
- [C2548] [4.0 ECTS] **Computer 3D Modeling and Virtual Reality**
- [C2549] [2.0 ECTS] **Practical Instructions 2**
- [C2544] [6.0 ECTS] **Design Studio II**
- [4.0 ECTS] **Elective course**

Semester 5

- [C2550] [6.0 ECTS] **Design Studio III**
- [C2551] [6.0 ECTS] **Design of Collective Housing Facilities**
- [C2552] [6.0 ECTS] **Detail in Architecture**
- [C2553] [4.0 ECTS] **History of Architecture and Art IV**
- [C2554] [4.0 ECTS] **Basic Principles of Interior Design**
- [4.0 ECTS] **Elective course**

Semester 6

- [C2560] [2.0 ECTS] **Practical Instructions 3**
- [C2555] [6.0 ECTS] **Design Studio IV**
- [C2556] [6.0 ECTS] **Design of Public Buildings**
- [C2557] [6.0 ECTS] **Composition for Architecture and Design**
- [C2558] [4.0 ECTS] **Interior Architecture**
- [C2559] [4.0 ECTS] **Cost Management - Architects as Entrepreneurs**

- [4.0 ECTS] **Elective course**

Description of courses

Core courses

- **Basics of Design**

Familiarity with the basic concepts of architectural form and space, as well as with the principles of creation from elementary to complex spatial systems. The student develops the ability to recognize elements and see their interrelationships, enabling to create a conceptual architectural object. By analyzing the content and context, the student acquires the ability to understand and evaluate the basic principles of organization and shaping the space.

- **Basics of Design Studio**

Establishing disciplinary bases for critical viewing and conceptual thinking of the phenomenology of architectural space, developing the capacity to create an idea for a whole, integral architectural project, developing feelings of intentionality in making personal architectural decisions.

- **Computer Applications**

In this course, students will learn the basic concepts and notions of information and communication technology, learn the latest version of the Windows 10 operating system, and work with applications and files on the computers they use. They will also learn how to use the most popular text editor - Microsoft Office Word 2020. Microsoft Office Outlook 2020.

- **Descriptive Geometry**

As a basic discipline, drawing geometry has the basic goal of developing students' ability to perceive three-dimensional spatial shapes and their interrelationships as well as their presentation of two-dimensional drawing, in accordance with international standards of the universal language of technical drawing. On the other hand, this discipline provides a clear presentation of one's own ideas for the organization of spatial forms through the creation of one's own technical drawing, as a basic assumption for the existence of any engineering discipline.

- **Mathematics**

- Introducing students to basic calculations. - Presentation of the basic functions and mathematical methods in solving various mathematical problems. - Introducing students to trigonometric and vector mathematics. - Encouraging students to acquire solid knowledge in the field of mathematics by presenting theoretical and practical aspects of the subject matter.

- **Practical Instructions 1**

- **History of Architecture and Art I**

The aim of the course is to acquaint students with the basic theoretical settings, as well as the development of architecture, art and design from their beginnings to the emergence of the Renaissance on the cultural and artistic scene in Europe. The program presents all the more significant historical and stylistic periods, the unique styles as products of the level of development of technology, science and culture as especially important for the development of the overall architecture and art.

- **Static in Architecture**

Introduction to the basic concepts of statics as a tool for understanding the structural elements of systems. Basic analytical and practical introduction to the principles and physical concepts of statics.

- **Principles of Design Studio**

Establishing disciplinary bases for critical viewing and conceptual thinking of the phenomenology of architectural space, developing the capacity to create an idea for a whole, integral architectural project, developing feelings of intentionality in making personal architectural decisions.

- **Design Principles**

The aim of the course is to acquaint students with the basic design methodology by studying the design process using the methods of analysis, synthesis, verification and implementation, and in accordance with the design principles and standards. The functional organization of the space is also studied depending on its purpose and

content. The influences of external factors, the basic legislation, are also studied. Vertical communications are also studied as a particularly important part of architectural design. During the work of the graphic exercises, the students will be trained to master the analytical part of the design process.

- **Perspective**

The aim of the course is to acquaint students with the basic principles of central projection through a program that includes methods and procedures for drawing perspective images. Optimization for making perspective images, as well as making perspective, animation and visualization of the elements of architecture.

- **Computer-Aided Design**

The aim of the course is to create the basics for using computers in the daily work of students. The aim is for students to gain basic knowledge of the programming process in programming languages that are used in the preparation of computer graphics communication packages. By studying and applying the latest versions of CAD program packages (AutoCAD and ArchiCAD), the student will prepare a complete two-dimensional view of a given architectural object.

- **Design Studio I**

Architectural Studio 3 is enrolled in the continuity of Architectural Studios 1 and 2 from the first year and is a stage of preparation for the later thematic cycles of learning architecture. The learning areas of the space are identical to those of the first year: the procedure of noticing, understanding and analyzing the architectural space, the procedure of conceiving, knowledge of the constituent elements and the context of the architectural project, elements of theory and doctrines of the architectural project, history and architectural culture, knowledge and practice of the means of representing the architectural space.

- **Design of Single-Family Housing Facilities**

The aim of the course is to provide students with a basic understanding of the principles and methodology of architectural planning, programming and design of single-family housing facilities. To develop a utilitarian, aesthetic and structural view of space. To learn the basic concepts of single-family housing and their relationship with the modern context. To understand the basic determinants of the project process of residential architecture, spatial, social, cultural, economic aspects. To know the housing models related to modern global practice.

- **Constructive Design in Architecture I**

The aim of the course is for the students to get acquainted with the elements of constructions, the materials from which the constructions are made, as well as the constructive solution of simple architectural bases, intersections, perspectives, etc. With the advantages and disadvantages of concrete structures, different types of plasters, wooden mezzanine structures and bars.

- **History of Architecture and Art II**

Enabling students for: - active knowledge, analytical and constructive approach and attitude towards the construction (architectural, urban) and artistic heritage; - gradual recognition, selection and evaluation of the facts about the permanent and changeable categories and meanings of the architectural concepts in synchronous and diachronic direction; - acceptance of messages from the historical heritage as an important factor in building the personal building language and culture.

- **Design of Multi-Family Housing Facilities**

The aim of the course is to provide students with in-depth knowledge and application of the principles of architectural planning, programming and design in complex programmatic, spatial, social situations following the example of multi-family housing facilities. To develop a utilitarian, aesthetic and structural view of space in multi-family housing facilities. To learn the basic concepts of multi-family housing and their relationship with the modern context. To understand the basic determinants of the project process of residential architecture, spatial, social, cultural, economic aspects, related to modern practice.

- **Constructive Design in Architecture II**

Introducing students to the principles and methods for analyzing certain architectural problems pointed out in the thematic areas of the subject through projected architectural detail, with special emphasis on its importance through the process of designing and developing architectural projects (level of graphic presentation in basic architectural project and project for performance).

- **History of Architecture and Art III**

The aim of the course is to introduce students to the theory and development of architecture, art and design of the industrial era, the twentieth century and new trends in the twenty- first century. The program envisages the study of this period by getting acquainted with the work of the great schools, masters and works. The works of world-renowned contemporary architects, designers and artists will individually be presented throughout the program.

- **Computer 3D Modeling and Virtual Reality**

The goal is for students to gain access to three-dimensional modeling-design visualization after acquiring knowledge of the subject Computer Applications 2 (CAD / CAAD) and other graphical computer communication. In order for each student to be able to use the computers independently and creatively in designing the objects, it is necessary to be fully acquainted with the computer support oriented towards graphic and project expression. By studying and applying CAAD program packages (3DStudio, and Artlantis), the student should prepare a complete visualization and three-dimensional representation of the modeled architectural object and study the methods of influencing it in architectural design.

- **Practical Instructions 2**

- **Design Studio II**

The main goal of the course is to enable students of architecture to analyze and diagrammatically present the noticeable features of a particular place - a subject of research interest. To understand them, as well as to learn to apply the different stages of the creative thought process of an architectural project. To enable students to analyze a given program, from which they should later develop a clear architectural concept (hypothesis). To show an understanding of how the design of architectural form and space is directly related to the psychological, physiological, sociological and cultural needs of people. Learn more different techniques of researching your own project strategies (by sketching, diagramming and making analog and digital studio models (2D and 3D). To learn to prepare different forms of presentation drawings and models through which they will present the final project.

- **Design Studio III**

The aim of the course is to provide students with in-depth study and application of principles of architectural planning, programming and design in complex programmatic, spatial, social situations following the example of collective housing facilities: third-generation housing, housing and education, architecture and the environment for children. To learn the basic types of collective housing, their historical and contemporary contexts.

- **Design of Collective Housing Facilities**

The aim of the course is to provide students with basic knowledge and application of the principles of architectural planning, programming and design in complex programmatic, spatial, social situations on the example of collective housing facilities - hotels. To develop the basic principles of architectural design of buildings for collective housing, development of the skill of architectural design of complex program and contextual situations, in buildings for collective housing - hotels.

- **Detail in Architecture**

The purpose of this course is to master the design phases and the manner of construction of all construction crafts that follow after the completion of the construction of buildings until the completion of the building in a single functional aesthetic whole.

- **History of Architecture and Art IV**

Training of students: - active knowledge, analytical and constructive approach and attitude towards the construction (architectural, urban) and artistic heritage - gradual recognition, selection and evaluation of the facts about the permanent and changeable categories and meanings of the architectural concepts in synchronous and diachronic direction - acceptance of messages from the historical heritage as an important factor in building the personal building language and culture.

- **Basic Principles of Interior Design**

The aim of this course is to introduce students to the internal organization of space and spatial functional and visual-aesthetic requirements, the human factor (anthropometry) and the dynamics of its activities as the fourth dimension of space. The course program includes the study of the organization of residential spaces by creating solutions with various technical presentations.

- **Practical Instructions 3**

- **Design Studio IV**

Students are trained in the practical application of the knowledge of architectural design of specific buildings in the areas of administrative (office) buildings and education buildings.

- **Design of Public Buildings**

Students gain in-depth professional and academic knowledge of public buildings, new parameters and design methods through which new types of public buildings are mastered or generated as complex design tasks.

- **Composition for Architecture and Design**

The course aims to introduce students to the triple nature of the architectural space, apparent, conceptual and symbolic, and the basic principles of its shaping-composing, which derive from it. Their specific application as ontological approximations, curatorial patterns and composition as methodology.

- **Interior Architecture**

The aim of this course is to introduce students to the internal organization of non-living rooms, as a logical sequence in the methodology of interior design. This course covers the study of principles, standards and norms for the design and arrangement of workspaces.

- **Cost Management - Architects as Entrepreneurs**

1. Introducing students to the segment of standards and methods for organizing the processes of investment project management, legal requirements, problems and procedures that are directly related to financing and economics in construction as an important market factor for project management and implementation. 2. Economic and financial aspects and their management.

Elective courses

- **Albanian Language for Beginners 1**

Albanian Language course for beginners 1, 2 is prepared with the purpose to enable the students, who do not have basic knowledge of the Albanian language, to get to know the characteristics of this language, to gain knowledge of the linguistic structure of the Albanian language, and to extend and apply their knowledge in everyday situations. Correspondingly, they will gain knowledge of the structure of the Albanian language; They will also acquire a modest set of various lexical and grammatical categories which will enable them carry out simple conversations.

- **Albanian Language for Beginners 2**

Albanian Language course for beginners 1, 2 is prepared with the purpose to enable the students, who do not have basic knowledge of the Albanian language, to get to know the characteristics of this language, to gain knowledge of the linguistic structure of the Albanian language, and to extend and apply their knowledge in everyday situations. Correspondingly, they will gain knowledge of the structure of the Albanian language; They will also acquire a modest set of various lexical and grammatical categories which will enable them carry out simple conversations.

- **Macedonian Language for Beginners 1**

The course programme Macedonian Language for beginners 1: reading, writing, listening and speaking. Through special exercises and lectures, introduction to basic communication in Macedonian language is provided, i.e., introducing, greeting, presentation, enriching vocabulary and write and understand short texts. When we created this program, we took into the consideration that students can apply the acquired knowledge further. The material is processed under the principle of combined lectures and exercises, and continuous tasks through which students are actively involved during class and participate with their questions and suggestions.

- **Macedonian Language for Beginners 2**

The course programme Macedonian Language for beginners 2 includes: reading, writing, listening and speaking activities. In this course the following issues are covered: daily routines, planning activities for the next period, description of persons, places and objects. When we created this program, we took into the consideration that students can apply the acquired knowledge further.

- **Macedonian Language Intermediate Level 1**

The course programme for Macedonian Language intermediate level 1 includes: reading, writing, listening and

speaking through which the students: will enrich the vocabulary through appropriate texts for daily activities (in a bank, in a library, in a ministry, etc.) and will improve the skills for professional writing and speaking that are necessary for clear and effective communication in their further professional career. A special, continuous emphasis on the overall activity is placed on the linguistic elements, that is, on the spelling and grammar of the Macedonian standard language. Experts as one of the key elements for good written expression state the correct use of language.

- **Macedonian Language Intermediate Level 2**

The course programme for Macedonian Language intermediate level 2 includes: reading, writing, listening and speaking. Special emphasis is placed on the development of students' communication skills, or the use of language in daily activities and professional context, enriching the vocabulary and acquiring knowledge about the structure and types of professional texts. Different communication styles will be covered, with the goal being for students to establish good communication with the audience through their texts and to attract and retain their attention.

- **Macedonian Language for Professional Purposes 1**

Upon completion of the course Macedonian for Professional Purposes 1, students are expected to broaden and strengthen their abilities for more advanced written and oral expression in Macedonian in the context of the different professional settings. Students are expected to be able to read, write and comprehend various professional texts in Macedonian. They are also expected to acquire knowledge and skills about the general terminology from the field of law, business and economy, administration, computer sciences, language and communication and to be able to use that terminology in the framework of their future professions. Besides accomplishing these professional aims, students are expected to become more autonomous language learners and be able to think critically about different topics in a multilingual and multicultural environment.

- **Macedonian Language for Professional Purposes 2**

Upon completion of the course, Macedonian for professional purposes 2, students are expected to reconfirm and expand further their abilities for advanced written and oral expression in Macedonian, in the context of their future professions. They should be able to read, write and comprehend different kinds of professional texts in Macedonian, to analyse and discuss those texts, as well as to create their own documents, including professional biography in Macedonian (CV). They should also expand the knowledge of specific terminology from the field of law, business and economy, administration, computer sciences, language and communication and be able to use that terminology in simulation of authentic situations from the professional environment, in debates and exchange of opinion regarding different aspects of these professions.

- **English Language 1**

By the end of each level of this course determined by the placement test taken at enrolment, students are expected to be at different levels as determined by the Common European Framework (CEF) and should be able to understand and use familiar expressions and phrases aimed at the satisfaction of needs of a concrete type; ask and answer questions about personal identification and personal relations; talk and write about their everyday lives, leisure, entertainment, finance, problems; ask and answer questions about university degrees, job skills and situations; invite and respond to invitations read and listen for gist, detail and comprehension; evaluate their own progress; participate in role plays and dialogues on familiar topics and produce a paragraph/essay on topics related to the course material. By the end of this course students are expected to be at A1 level of the Common European Framework (CEF) and should be able to understand and use familiar expressions and very basic phrases aimed at the satisfaction of needs of a concrete type; ask and answer questions about personal identification and personal relations; students should be able to introduce themselves and others by using pronouns and possessives, use greetings, name things in the classroom, distinguish between singular and plural, recognize and use numbers from 1- 100. Students should be able to describe a typical day, recognize and use simple constructions in order to describe their daily routine; talk and write about their everyday lives, leisure; ask and answer questions about food and drink. students should be able to give dates, use appropriately the vocabulary related to months in the year, make polite requests, describe places, travel and personal histories; choose a destination and give directions; discuss likes and dislikes.

- **English Language 2**

By the end of each level of this course determined by the placement test taken at enrolment, students are expected to be at different levels as determined by the Common European Framework (CEF) and should be able to understand and use familiar expressions and phrases aimed at the satisfaction of needs of a concrete type; ask and answer questions about personal identification and personal relations; talk and write about their everyday lives, leisure, entertainment, finance, problems; ask and answer questions about university degrees, job skills and situations; invite and respond to invitations read and listen for gist, detail and comprehension; evaluate their own progress; participate in role plays and dialogues on familiar topics and produce a paragraph/ essay on topics related to the course material. By the end of this course students are expected to be at A1 level of the Common European Framework

(CEF) and should be able to understand and use familiar expressions and very basic phrases aimed at the satisfaction of needs of a concrete type; ask and answer questions about personal identification and personal relations; students should be able to introduce themselves and others by using pronouns and possessives, use greetings, name things in the classroom, distinguish between singular and plural, recognize and use numbers from 1-100. Students should be able to describe a typical day, recognize and use simple constructions in order to describe their daily routine; talk and write about their everyday lives, leisure; ask and answer questions about food and drink. Students should be able to give dates, use appropriately the vocabulary related to months in the year, make polite requests, describe places, travel and personal histories; choose a destination and give directions; discuss likes and dislikes.

- **English Language 3**

By the end of each level of this course determined by the placement test taken at enrolment, students are expected to be at different levels as determined by the Common European Framework (CEF) and should be able to understand and use familiar expressions and phrases aimed at the satisfaction of needs of a concrete type; ask and answer questions about personal identification and personal relations; talk and write about their everyday lives, leisure, entertainment, finance, problems; ask and answer questions about different phenomena including crime and natural disasters, invite and respond to invitations read and listen for gist, detail and comprehension; evaluate their own progress; participate in role plays and dialogues on familiar topics and produce a paragraph/ essay on topics related to the course material. By the end of this course students are expected to be at B1 level of the Common European Framework (CEF). They should be able to ask and answer questions about university degrees, job skills and situations; invite and respond to invitations. Students should be able to ask about or describe family relationships and marital status and they should be able to recognize and use appropriately vocabulary related to degrees and university education, art, travelling and sport.

- **English Language 4**

By the end of each level of this course determined by the placement test taken at enrolment, students are expected to be at different levels as determined by the Common European Framework (CEF) and should be able to understand and use familiar expressions and phrases aimed at the satisfaction of needs of a concrete type; ask and answer questions about personal identification and personal relations; talk and write about their everyday lives, leisure, entertainment, environment finance, problems; ask and answer questions about university degrees, job skills and situations. They should be able to evaluate their own progress; participate in role plays and dialogues on familiar topics and produce a paragraph/ essay on topics related to the course material. By the end of this course students are expected to be at B2 level of the Common European Framework (CEF); They are expected to be independent users of English language and to implement some of the following language functions: give advice; ask and answer questions about university degrees, job skills and situations; invite and respond to invitations, read and listen for gist, detail and comprehension.

- **English Language 5**

Academic English is a one semester course which aims to enable the students with skills which can facilitate their language learning and their study progress in an academic teaching and learning environment. The course should enable them to use those skills in both foreign language classroom as well as academic progress in content areas. The course incorporates language skills, study skills and generally applicable skills (listening, delivering oral presentations, constructing arguments) in specific assignments. Therefore, upon successful completion of the course, the students' proficiency level should be at C1 according to Common European Framework. As a result, the students should be able to deliver successfully oral presentation, participate in an online debate/ discussion forum stating their opinion and arguments and give feedback to others in a constructive manner. In addition, the students should be able to listen and read for gist and detail and write an argumentative paragraph and essay stating their opinion. They should and write a problem solution paragraph and essay. They should be able to present visual information in a form of Power Point poster presentations. The students should be able to identify main ideas and supporting evidence in a text and to analyse and identify topic sentences in a paragraph. They should be able to identify a purpose of a text, patterns of organization in a text and apply them in their own writing.

- **English for Information Technology 1**

This course is offered with the aim of improving the four main language skills such as reading, writing, listening and speaking in the content-specific area as well as revision and advancement of selected intermediate and upper-intermediate grammatical items and vocabulary in the field of computer sciences and technologies. This is done to enable students to comprehend more complicated texts in the mentioned area and enable them to communicate fluently with colleagues and experts in the field. Special attention is paid to the use of authentic materials in order to follow the latest trends and achievements in this field.

- **English for Information Technology 2**

This course is offered with the aim of improving the four main language skills such as reading, writing, listening and speaking in the content-specific area as well as revision and advancement of selected intermediate and upper-intermediate grammatical items and vocabulary in the field of computer sciences and technologies. This is done to enable students to comprehend more complicated texts in the mentioned area and enable them to communicate fluently with colleagues and experts in the field. Special attention is paid to the use of authentic materials in order to follow the latest trends and achievements in this field.

- **Visual Expression I**

The purpose of the course is to deepen and improve the students' acquaintance with the methodologies and principles of visual expression in function of a complete visual presentation of project tasks, ideas and concepts.

- **Visual Expression II**

The purpose of this course is to deepen and improve the students' acquaintance with the traditional and modern graphic techniques, methodologies and principles of visual expression and acquiring knowledge and skills in the field and ability for independent creative work. Introduction and use and technical-technological training resulting from the analysis of various techniques and practice of traditional and contemporary art practices for further application in the field of design and visual arts within the methodological units. Continuous enrichment and modernization of already acquired knowledge. During this course students will develop more complex artistic and technical problems in order to achieve higher artistic and aesthetic results.

- **Materials, Methods and Products**

The purpose of this course is for students to acquire knowledge about the materials used in architecture and construction. Furthermore students to get acquainted with the characteristics of different construction materials of organic and inorganic origin, getting acquainted with certain construction products. Apply appropriate building materials in the design process and manner of their installation in the construction of structures.

- **Graphic Design**

The purpose of this course is for students to acquire knowledge and practical advanced application of the rules of graphic language and design. Students will study and practice modern trends in the organization of graphic elements. They will understand the design as communication in the graphics system to the needs of individuals and groups such as creating, preparing, producing, and distributing a message as a form and product. Students will be enabled to develop their imaginative and intellectual abilities for critical and creative thinking and to develop high level of ability for visual and verbal communication and creating high professionalism in the field of graphics, photography and design.

- **Urban Planning I**

The purpose of this course is to bring students closer to the knowledge necessary to publish the works of an architect-planner, signatory and holder of the preparation of planning documentation. The course provides insight into the instruments, standards and norms of urban planning and shaping, as well as the types of planning provisions and their action in the legal and spatial environment. The aim of the course is to create the basis for a general theory of urban form that will generate rules of urban morphosyntax with which students will be able to use arguments to shape the urban space.

- **Urban Planning II**

The purpose of this course is students to get basic knowledge of the urban planning system and the context in which it is realized and also to get familiar with the methods and techniques of urban analysis, programming and urban planning and to acquire basic knowledge of the types of urban plans and their content.