Designing mobile application

Type:
Undergraduate (Bachelor)

Field of study:
Informatics

Duration of study:
4 years (8 semesters)

Mode:
full-time | online

Language:
Polish | English

Obtained title:
engineer

Why You should choose this study programme?

Mobile applications are increasingly used in various aspects of life and are an integral part of mobile devices: phone, tablet, smartphone, iPhone, iPad. The applications are used, among others. to communicate via the Internet, perform advanced financial operations, provide information and entertainment, and make purchases.

Currently, most apps are developed for Apple's iOS devices (iPhone and iPad apps) and Google's Android. Mobile apps are the fastest growing software market right now. Extremely importantly, within this specialization, we present different ways to develop mobile applications, from native to hybrid to progressive.
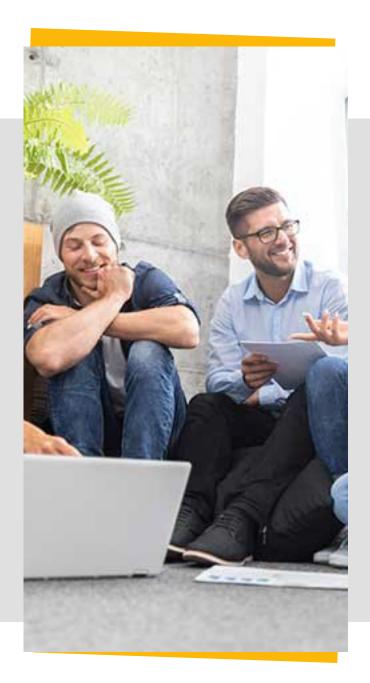
What You can do after this study programme

The mobile application sector is still the most rapidly growing area in the IT industry. The number of mobile applications available to users has already reached millions and is growing steadily - as is the use of mobile devices for work or entertainment. Therefore, the demand for specialists in this field is growing every year. You can work in virtually any application development company, and you'll also be a valuable member of IT teams in technology start-ups as well as in the IT departments of companies in various industries. You can also build your career as an independent professional.

This programme is for You, if:

You are a creative person and you can put your ideas into practice

You pay attention to details and you like solving problems

You understand new technologies and you want to build a professional career in IT

FIRST DEGREE STUDIES
(ENGINEERING)

UNIVERSITY
OF ECONOMICS AND HUMAN SCIENCES
IN WARSAW

www.vizja.pl

Degree programme and study structure

Study last 4 years (8 semesters), are worth of 240 ECTS credits, end with a Professional Engineering degree.

The curriculum covers the most important key areas of computer science and a wide selection of specialization tracks. A special feature of the program at UEHS is that each student has the opportunity to choose at least 2 specialties that they would like to complete.

FIRST YEAR OF STUDY

The first year of studies is dominated by subjects which, irrespective of the chosen field of study, provide a broad horizon of thinking and an understanding of the concepts and basic issues in a given field of science. As a result, you will acquire knowledge and skills that will make it easier for you to find your place in many different professional areas in the future and prepare you to undertake interdisciplinary projects, which is nowadays particularly important and appreciated on the job market. Beginning in the second semester, classes introduce content specific to the Computer Science major in increasing detail.

FIRST SEMESTER

SUBJECT NAME	ECTS	LECTURE METHOD	AMOUNT OF HOURS (ST/NST)
BASIC OF PROGRAMMING	9	L, D	75/40
GRAPHICS AND HUMAN-COMPUTER COMMUNICATION	7	L, D	60/32
DESIGNING WEBSITES	4	D	30/16
BASIC OF E-LEARNING	2	L, D	16/8
MATHEMATICS FOR COMPUTER SCIENTISTS	8	L, D	75/40
OHS	0	E	8/4

Degree programme and study structure

SECOND SEMESTER

SUBJECT NAME	ECTS	LECTURE METHOD	AMOUNT OF HOURS (ST/NST)
ELECTRONICS FOR COMPUTER SCIENTISTS	6	L, D	60/32
DISCRETE MATHEMATICS	8	L, D	70/40
ELEMENTS OF MODERN PHYSICS	5	L, D	48/28
ALGORITHMS AND COMPLEXITY	6	L, D	75/40
COMPUTER SYSTEMS ARCHITECTURE	6	L, D	60/40

SECOND YEAR OF STUDY

In the second year, subjects concentrating on the chosen field of study are introduced into the programme. They enable students to deepen their knowledge and acquire competences necessary for understanding and practical use of IT knowledge in various spheres of professional activity. Specialist subjects in Designing mobile application are also introduced from semester 4.

Web applications
Whether you want to work in a startup, a software house, or a corporation, you'll find plenty of opportunities to develop web applications in IT. This kind of work is in fact divided into two main roles – frontend, that is work on the visual layer, implementation of graphic layouts and coordination of application behavior, and backend – activities "behind the scenes", in the server part, where the main role is played by efficient data processing, ensuring security and scalability of created applications.

Working in the IT sector is not just about programming and technology! It is difficult to imagine effective implementation of IT projects without an effective-Project Manager. And even the best programmers won't create a great application if it is prepared by proper understanding of users' needs – and this is what UX/UI designer does. If you want to work in IT, and at the same time you feel great working with people – this specialization is for You!

Degree programme and study structure

THIRD SEMESTER

SUBJECT NAME	ECTS	LECTURE METHOD	AMOUNT OF HOURS (ST/NST)
PROGRAMMING LANGUAGES AND PARADIGMS	8	L, D	75/40
DATABASES	7	L, D	60/32
OPERATING SYSTEMS	6	L, D	60/32
NETWORK TECHNOLOGIES	6	L, D	60/32

FOURTH SEMESTER

To choose one of the two specialization path.

WEB APPLICATIONS

SUBJECT NAME	ECTS	LECTURE METHOD	AMOUNT OF HOURS (ST/NST)
EMBEDDED SYSTEMS	6	L, D	60/32
SOFTWARE ENGINEERING	7	L, D	60/32
OBJECT-ORIENTED PROGRAMMING IN JAVASCRIPT	5	L, D	45/24
CREATING WEB SERVICES IN REST	5	L, D	45/24
ARCHITECTURE MVC IN WEB APPLICATION DEVELOPMENT	4	D	30/16

PROJECT MANAGEMENT AND USER EXPERIENCE

SUBJECT NAME	ECTS	LECTURE METHOD	AMOUNT OF HOURS (ST/NST)
EMBEDDED SYSTEMS	6	L, D	60/32
SOFTWARE ENGINEERING	7	L, D	60/32
FUNDAMENTALS OF DIGITAL PRODUCT DESIGN	4	D	30/16
USER INTERFACE DESIGN	5	L, D	45/24
RESEARCH AND ANALYSIS USER EXPERIENCE	5	L, D	45/24

Degree programme and study structure

THIRD YEAR OF STUDY

In the third year of study, during the 5th semester, you will complete the study of the subjects in the selected additional specialization, which in practice will already allow you to undertake work in this area. In your 6th semester, you will begin to study courses in mobile application design.

FIFTH SEMESTER
To choose one of the two specialization paths.

WEB APPLICATIONS

SUBJECT NAME	ECTS	LECTURE METHOD	AMOUNT OF HOURS (ST/NST)
CREATING MODERN WEB APPLICATIONS IN THE CLIENT LAYER	8	D	60/32
SECURITY OF WEB APPLICATIONS	6	D	30/16
CREATING APPLICATIONS FOR CLOUD ENVIRONMENTS	7	L, D	45/24
BASIC OF SOCIAL COMMUNICATION	3	L	30/16
BASIC OF ECONOMICS	4	L	30/16
TEAM COMMUNICATION IN IT	3	D	30/16

PROJECT MANAGEMENT AND USER EXPERIENCE

SUBJECT NAME	ECTS	LECTURE METHOD	AMOUNT OF HOURS (ST/NST)
BASIC OF SOCIAL COMMUNICATION	3	L	30/16
BASIC OF ECONOMICS	4	L	30/16
TEAM COMMUNICATION IN IT	3	D	30/16
SOFTWARE DEVELOPMENT METHODOLOGIES	8	L, D	60/32
DIGITAL PRODUCT DESIGN MANAGEMENT	6	L, D	30/16
EMPATHIZATION AND IDEATION- THE SEARCH FOR PRODUCT SHAPE	7	L, D	45/24

Degree programme and study structure

SIXTH SEMESTER

SUBJECT NAME	ECTS	LECTURE METHOD	AMOUNT OF HOURS (ST/NST)
INTRODUCTION TO MOBILE SYSTEMS	7	D	60/32
DESIGNING INTERFACES FOR MOBILE DEVICES	7	L, D	60/32
MOBILE DEVICES PROGRAMMING LANGUAGES	7	D	60/32
GRAPHICS FOR MOBILE DEVICES	6	D	60/32

FOURTH YEAR OF STUDY

In the fourth year of study you will complete the study of specialty subjects. You will also complete an professional traineeship and work on your own IT project, which will help you to find your future job more easily.

SEVENTH SEMESTER

SUBJECT NAME	ECTS	LECTURE METHOD	AMOUNT OF HOURS (ST/NST)
IT PROJECT	4	D	30/16
TEAM PROJECT	8	D	30/16
PROFESSIONAL TRAINEESHIP	10	PT	250/250
NETWORKING ISSUES IN MOBILE SYSTEMS	5	D	45/24
SOFTWARE ENGINEERING OF MOBILE DEVICES	6	L, D	45/24
DEVELOPING PROGRESSIVE MOBILE APPLICATIONS	6	D	60/32

Degree programme and study structure

EIGHTH SEMESTER

SUBJECT NAME	ECTS	LECTURE METHOD	AMOUNT OF HOURS (ST/NST)
PROFESSIONAL TRAINEESHIP	10	PT	250/250
PREPARING IT PROJECT	12	SEM, OW	300/300
DIPLOMA EXAM	5	OW	-

The study programme also includes foreign language classes and (for full-time students) sports and recreational activities.

Tuition fees

FIXED TUITION - FLEXIBLE PAYMENTS

By choosing to study at UEHS, you can be sure that the tuition fee will not change throughout the duration of your studies. You can pay the tuition fee once for the entire year of study or spread over a semester payment. This allows you to decide how you want to plan your expenses.

REDUCE THE COST OF YOUR STUDIES

As part of the UEHS discount programme, you can take advantage of various reductions and promotions. They are usually applied in the first year of study. It means that your tuition fees will be reduced by the amount of the discounts granted. Candidates who register and pay their tuition fees within one month of registration will receive an English language course for free. The course covers 80 hours of English classes and 20 hours of classes of Polish culture.

FEES

EU&OTHER COUNTRIES GROUP

YEAR OF STUDY	ANNUALLY	PER SEMESTER
1st year	2500 €	1400 €
2nd and 3rd	2500 €	1400 €

OTHER COUNTRIES

YEAR OF STUDY	ANNUALLY	PER SEMESTER
1st year	3600 €	1950 €
2nd and 3rd	3600 €	1950 €

Scholarships - easier than you think

While studying at UEHS, you can take advantage of a wide range of financial support from the state budget and European funds, as well as benefit from special discounts with UEHS discount program

You can submit most scholarship applications quickly and easily through your online account.

2020/2021 ACADEMIC YEAR

292 RECTOR'S SCHOLARSHIPS   **106** SOCIAL SCHOLARSHIPS   **79** SCHOLARSHIPS FOR PEOPLE WITH DISABILITIES

PLN 1,890,289.35 was spent in 2019 on scholarships
PLN 2,911,662.50 was spent in 2020 on scholarships

SCHOLARSHIP • SPORTS SCHOLARSHIPS • SOCIAL SCHOLARSHIPS
• SPECIAL SCHOLARSHIPS FOR DISABLED PEOPLE • ALLOWANCES