



Federation for **E**Ducation in **E**urope  
Fédération Européenne Des Ecoles



# EUROPEAN BACHELOR'S MOBILE APPLICATION DEVELOPMENT

New technology is transforming the way we live and work. The Internet of things provides products and services to match changing ways of working and consuming.

In today's digital era, IT specialists such as mobile application developers are increasingly in demand, both in companies and IT consultancies. To succeed in the sector, mobile application developers must combine solid technical skills with creativity and the ability to anticipate and meet the needs of a range of clients and users.

## ✓ CAREER DESTINATIONS

- Programmer-Analyst
- IT Project Manager
- Mobile Developer
- Mobile Application Developer
- Webmaster
- Web Architect



## KEY SKILLS

- Implement and oversee IT projects
- Understand information systems
- Help research, develop and launch applications
- Use various operating systems (Windows, Android) and tools (Microsoft Office, open source)
- Develop a web, mobile or tablet application

Designed by experts and professionals, the European Bachelor's in Mobile Application Development provides the technical knowledge and practical skills demanded by the contemporary IT sector.

Graduates are prepared for successful career growth in a role requiring both action and analysis.

# EUROPEAN BACHELOR'S

## Mobile Application Development

60 ECTS credits



### Admission requirements

The European Bachelor's in Mobile Application Development requires:

- either prior completion of a European Qualifications Framework (EQF) level-5 degree (120 ECTS credits);
- or official validation of equivalent experience (at least one year's recognised sector-relevant experience).

## PROGRAMME CONTENTS

### 1 - Digital Literacy

Based on two modules, this unit ensures students:

- understand the role and importance of IT developers within companies;
- understand the role of a company's IT service;
- understand service life cycles: ITIL and ISO standards;
- understand the various ways IT is used in companies;
- understand the different phases of network administration and different types of connection;
- analyse an IT project and implement a software solution: automatic programming and Merise analysis method, graphic modelling with UML 2, project management with MS Project and SQL;

### 4 - Professional Experience

A strong point of FEDE European bachelor's degrees is the requirement for students to consolidate their learning and gain a careers head start through hands-on work experience. The aim is to apply the knowledge and skills acquired during the programme and gain professional confidence.

By completing a work placement in their chosen field, students acquire direct knowledge of the sector and all-important experience in their future role. Students also carry out a supervised project. The project requires them to devise and implement a strategy for completing a professional assignment.

Students produce a dissertation or activity report and present their findings orally.

### 2 - Basic and Advanced Programming Languages

Based on two modules, this unit ensures students:

- can use C, C++ and C#4 in Visual Studio;
- understand the basics of language, operators, structures and checks, procedures and functions, objects, classes, generic types, collection, debugging and error management, and check management;
- can develop and maintain an IT application via Java/J3E;
- can develop and update a cloud computing application via Microsoft .NET, Linq and Windows Azure;
- can develop and update a web application via Html + CSS, PHP / mysql, ASP.net, Ajax + Javascript + DOM.

### 5 - European Culture and Citizenship

This unit ensures students:

- have a solid knowledge of the workings, institutions, geography, geopolitics and economics of Europe;
- understand the European model and how it differs from other models in terms of history, regulations, law and culture;
- understand Europe in a broader sense (intercultural aspects, human resources, policies, religions, international trade, taxation etc.);
- have the tools necessary to do business in an EU country;
- understand relevant cultural codes and their impact on interpersonal relations;
- can supervise employees and encourage staff mobility in order to raise their international career prospects.

### 3 - Developing Applications for Mobile Terminals and IT Project Management

Based on two modules, this unit ensures students:

- can develop a PC application;
- can develop an application for a mobile device (tablet, mobile phone);
- can complete a supervised IT development project.

### 6 - Modern European Language

This module ensures students:

- have CEFR level B1 (writing and speaking) in a modern European language;

It results in the awarding of the FEDE Language Certificate; the Certificate is based on the CEFR and is recognised by the IFEF.

For more information:  
<https://www.fede.education/fr/nos-diplomes/>



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