

About Aspira

Aspira University College is a secondary education institution with degrees in sports, travel and gastronomy management and software engineering. Our educational strategy is in accordance with latest global and European trends and standards.

Collaboration with private and public institutions prepares our students for the labor market and imparts meaningful knowledge.

At Aspira we teach the following study programs:

- Undergraduate study of Computer Engineering (Software Engineering)
- Undergraduate study and Graduate study of International Hospitality, Tourism Management and Gastronomy
- Undergraduate study and Graduate study of Sports Management
- Various educational life-long learning programs, all certified by the Ministry of Education and Science

All study programs taught at Aspira have been accredited by ASHE (Agency for Science and Higher Education), who is a member of ENQA (European Association for Quality Assurance in Higher Education).

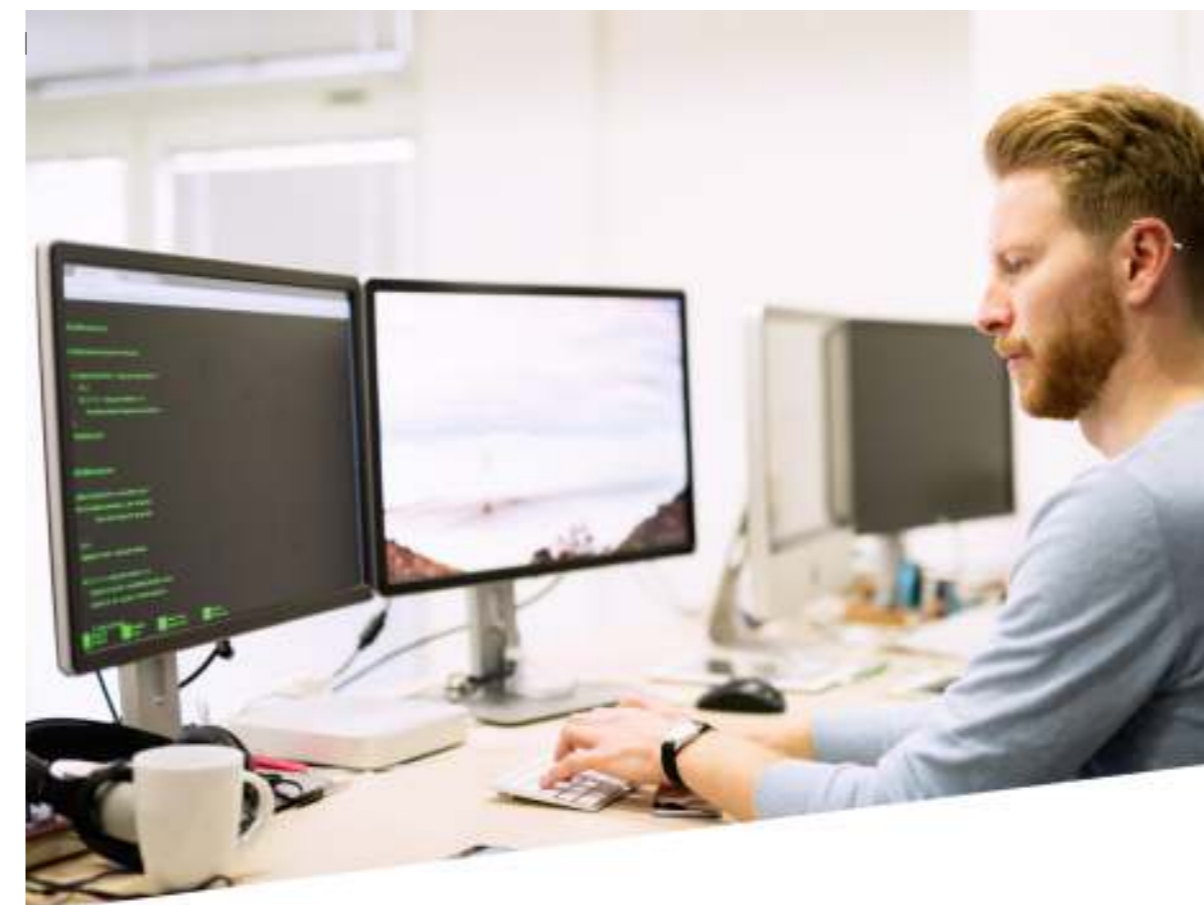
We are recognized at home and internationally as a high-end institution and are the recipients of academic certificate of excellence, **ISO 9001 BUREAU VERITAS Certification.**

Degree program created in cooperation with IT experts and business people

In keeping with labor market demands for highly trained IT experts, Aspira University College launches a Computer Engineering degree specializing in Software Engineering. The IT industry is on course to become the main driving force of business development, especially through increased export of goods and services that characterizes IT. The Computer Engineering degree program is created in collaboration with experts and employers. The student will have the opportunity to learn the most relevant software development techniques. This degree program is unique through the participation of experts and employers and a hands-on approach. It is based on business applications of computer technologies and as such guarantees employment. As part of keeping up to date with latest developments, focus is on teamwork supervised by mentors, case studies, individual development and practical knowledge learned through real-life examples.

Advantages of innovative approach and compulsory professional internship:

- linking theoretical knowledge with practical experience
- acquiring additional knowledge of computer engineering and other activities by IT companies and other internship hosts
- preparing for the graduation thesis
- making contacts that will lead to employment references
- professional and social networking in the IT sector
- acquiring good work habits and preparing for the business world
- erasing barriers between study and career



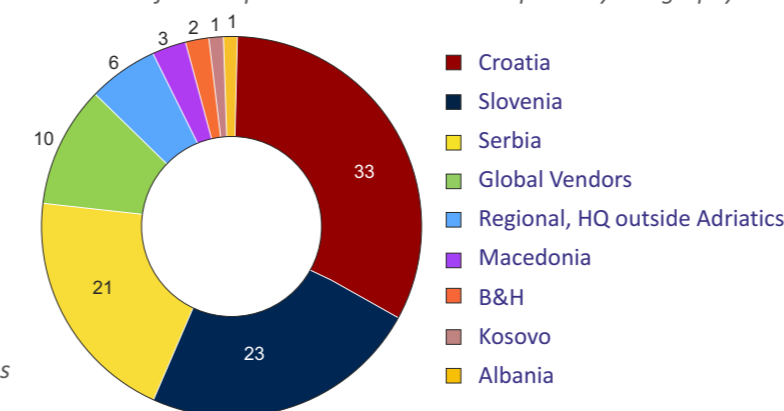
Professional internship

Internship is mandatory for all full time students. The student will be employed as an intern in an IT company or other public or private institution engaged in computer engineering. The internship takes place of the fifth semester. Successful completion of its 240 hours is a prerequisite for the final graduation exam. The professional internship can be based in Croatia or abroad, with one of Aspira's many contracted partners. This approach to education provides all students with an opportunity to gain first-hand insight into the careers they wish to pursue. As such, it helps them make decisions about their futures. In contrast with a degree program focused on classroom and theory, at Aspira hands-on professional practice is the cornerstone of learning through real-life situations, in a real-world environment.

During their internship students will be involved in the daily activities of their internship hosting institution. They will share in its challenges and help with administration, management and other types of business. Students develop specific situations in their capstone project, the graduation thesis.

The thesis thus results from the internship and enables the student to improve the internship hosting institution. It is a matter of great pride for a University College to have an overwhelming percentage of professional internships grow into full time employment, whether seasonal or year-long. In the CVs and business resumes of many Aspira students, the internship is the first high-value reference.

Number of IT Companies within Adriatics Top 100 by Geography



According to analysis, Croatia hosts one third of the biggest IT companies in the region



Why study in Split?

The history of Split dates 1700 years back, when it was chosen by the Roman emperor Diocletian as a place to build his palace resort. Diocletian's Palace is protected by UNESCO and it is unique example in the world. Although the palace is a kind of the lifeblood of the city, it is still not the only thing Split has to offer. The town is extremely attractive for tourists and it has more than 2700 hours of a sunshine a year. The people of Split always say that Split is the most beautiful city and that its women are the most beautiful women in the world, and many tourists tend to agree after taking a walk around its streets and alleys. The city is located in the warmest part of the Mediterranean, at the foot of the Marjan forest, with beautiful pebble beaches around it. It is rich in tourist and gastronomic offer, as well as sporting and cultural events.

Entrepreneurship workshops – have your own startup!

In addition to mandatory professional internships, Aspira University College offers attractive Entrepreneurship Workshops, where employers use compelling real-life examples to help explain how to turn challenges into success. Startup Workshops are headed by business owners with startup experience. Their wealth of knowledge ensures students will learn to generate projects with minimum risk and maximum effect. Students benefit from these workshops in unique ways, as they are often young computer experts' first experiences with entrepreneurship. Workshops are an early insight into self-employment, encouraging creativity and dynamism in order to find a place in the labor market.

Erasmus + mobility program

Aspira University College has made gains in strengthening international cooperation by winning the university charter for the 2014-2020 period. The charter is an education and training program focused on teaching young people skills that will help their employability. At Aspira University College international collaboration is an ongoing project, as we plan to increase the number of institutions, educational and other, with whom we collaborate in bringing their experts to share cutting edge developments with our students. In the IT sector, this practice is of particular importance.

Scholarships

Scholarships are awarded based on the following criteria:

1. Demonstrated financial need;
2. Success in high school education completed; and
3. Candidates must not be employed.

The scholarship agreement is extended at the end of each academic year, after Fall exams. Scholarships can be withdrawn in case of repeat years or a GPA dropping below 4.0 (out of 5) in one year. This would entail the loss of further scholarship opportunities. An application form for scholarships is available from the front office, where completed applications are submitted. Scholarship awards are made at the time of enrollment ranking lists.



List of obligatory and elective courses in the Computer Engineering undergraduate study program

1 st semester	ECTS	2 nd semester	ECTS
Mathematics	6	Numerical Mathematics	6
English for ICT 1	3	English for ICT 2	3
Introduction to ICT	6	Operating Systems	6
Basics of Electrical Engineering and Digital Circuits	6	Data Basis	6
Basics of Programming	9	Computer Architecture	9
		Algorithms and Data Structure	6
		Internship I	2
3 rd semester		4 th semester	
Computer Networks and Services	6	Web Programming	6
Object-oriented Programming	3	Script Program Languages	9
Formal Methods of Specification	6	Start-up Economics	9
Programming in .NET Environment	6	Network Programming	3
Basics of Web Programming	9	Probability and Statistics	6
		Computer-Telephone Integration	3
		Basics of Technical Systems	3
		Project Management	3
		Internship II	2
5 th semester		6 th semester	
CMS Systems	9	Information System Design	9
Mobile Apps Programming	9	Information System Security	6
Internship III	9	Cloud IT Systems	3
Digitalization and e-Documents	3	Multimedia Systems	3
E-learning	3	Graduation Thesis	12



ASPIRA[®]
UNIVERSITY COLLEGE

Domovinskog rata 65, 21000 Split
Selska cesta 119, 10000 Zagreb

Email: info@aspira.hr
Tel: +385(0)21/382802
Fax: +385(0)21/382-805
Mob.: +385(0)99/333-2009

www.aspira.hr
www.studij-racunarstva.com



Computer Engineering Software Engineering

ASPIRA[®]
UNIVERSITY COLLEGE

Split - Croatia
Zagreb - Croatia

15 Reasons for a Computer Engineering degree at Aspira

1. High chances for employment after a degree from Aspira
2. Each student enrolled gets a **Raspberry Pi**
3. **Programming from Day One**
4. Individual development practice – **project based work** from freshman year
5. Access to high-end technical equipment
6. Participation in **Career Day** – making contacts with top Croatian and international IT companies
7. Free **IT certificate** (from Aspira and SUS Community College)
8. **Top mentors** with frequent visiting experts
9. **Professional internship** as part of degree program
10. Each student is entitled to licenced Microsoft software: **Microsoft Imagine**
11. **Scholarships**
12. **Online Learning** using highly advanced technologies
13. Online learning materials
14. **Entrepreneurship Workshops** – meet IT employers
15. Numerous chances for **CV references before graduation**

Program duration and title

The degree program takes place over 3 years (6 semesters) in either full time or part time study. A successful course of study in accordance with the Bologna Process will lead to 180 or more ECTS points and the professional title:

Bachelor of Science in Computer Engineering (bacc. ing. comp.)

