



UNIVERSITY OF SPLIT,
FACULTY OF CIVIL ENGINEERING,
ARCHITECTURE AND GEODESY



FCEAG STUDENT GUIDE

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WELCOME TO FCEAG!

We are delighted you have chosen to study with us.

The Faculty of Civil Engineering, Architecture and Geodesy (FCEAG) is a unique higher education institution comprised of three distinctive engineering disciplines. After initially starting as a Faculty of Civil Engineering in 1977, we have expanded our study programs with Architecture and Urban Planning in 2003 and Geodesy and Geoinformatics in 2010.

The FCEAG is recognised for high standards in science, teaching, and artistic work influencing the technological and cultural development of society.

The combination of our dedicated and experienced faculty staff and latest scientific equipment in laboratories makes studying at FCEAG an intense, intellectually challenging and among all enjoyable experience. Our unique set of courses allows our academic staff to



combine their research and practical experience into teaching.

As settling in a foreign environment might be challenging, this guide aims to help you gain basic information about being an exchange student in Split, and shows services and support available during your stay at FCEAG.

We wish you a good start and a successful academic year!

Your FCEAG

Watch this short video to make sure you have made the right decision:
https://www.youtube.com/watch?v=ay5l25Sf6qU&ab_channel=FGAGSplit

CITY OF SPLIT

The story of Split is already 17 centuries old, dating to the time the Roman Emperor Diocletian decided to build his Palace right on the peninsula near the great Roman city Salona, where he wanted to spend the last years of his life. During these 1700 years the Palace slowly turned into a city, which to this day lures with its rich tradition, glorious history and beauty of its natural and cultural heritage.

Diocletian Palace and the entire historical core of Split have been on the World Heritage UNESCO list ever since 1979, and not only for the extraordinary preservation of the Palace, but also because the Palace and its city (or the city and its Palace, if you like) continue to live a full life. All historical layers from the old Rome, middle ages till today are still visible and alive in this structure. A walk through the ancient city takes you through time, along the great examples of ancient architecture like Peristyle, the middle aged Romanesque Church and Gothic Palace, Renaissance portals of the noblemen's houses, Baroque facades and modern architecture superbly merged in the rich heritage. Such stratification is mirrored in everyday life of Split. Local inhabitants sit in the same cafes, restaurants, shop in the same stores as tourists, giving them the impression that, by arriving to Split, they became a part of the city and its rhythm. The vegetable market and the fish market represent the centre of each family's life in Split, just as the entire social life of this city of 200 thousand reflects on the Riva (waterfront), where every guest should endeavour to have his coffee alongside noisy, temperamental folk of Split.

Split is much more than glorious architectural scenery. Split is also a venue for excellent gourmet and vine experiences, numerous cultural happenings like film and theatre festivals, exhibitions, excellent museums and concerts, a city which offers eclectic modes of entertainment starting with numerous clubs and bars, through street festivals to events such as Ultra Europe Festival visited each year by up to 100 thousand young people from around one hundred countries of the world. Split with its sport results is something only a handful of cities of similar size around the world can boast about as it is the home of a dozen Olympic medal winners as well as other sports medals.

When you tire of the city bustle, there's Marjan, hill symbol over the city, with its forest, jogging trails, mountain climbing and biking, recreational terrains, but also the ancient churches where the late citizens of Split sought spiritual peace. Also very unusual to find in a city the size of Split are the numerous beaches with extraordinarily clean sea, from the well known Bačvice to the stone secluded oases' all around Marjan.

After all that's said are you at all surprised that citizens of Split have a saying "There is no place like Split"?

If you want to know more about Split, visit: <https://visitsplit.com/en/1416/city-split>

UNIVERSITY OF SPLIT

The University of Split was officially established on 15 June 1974 when the units have already had an effect in their professional, scientific, and teaching areas entered its structure. As a predominant scientific and teaching public institution in the region, the University of Split has expanded during the course of the past 45 years to include eleven Faculties, one Academy of Arts, and four University Departments.

There are about 20,000 students enrolled in the University's undergraduate, graduate, and post-graduate programs.

The focus of the research work carried out by the University is on scientific areas with reference to disciplines characterized by natural, biomedical, cultural, historical, social, economic, and other features of the region as a part of the Croatian Adriatic and the Mediterranean region as a whole.

This involves the research and protection of art and construction heritage, philology, field crops, oceanography and fishing, Adriatic botany and zoology, island and coastal economy, Adriatic tourism, maritime law, nautical science, naval architecture, and a range of other specific disciplines such as chemical engineering, civil engineering, architecture, electrical and mechanical engineering, social sciences, kinesiology, humanities, health sciences, forensics, all of which distinguish the University of Split, not only in Croatia but also beyond its borders.

In the framework of European projects, contacts have been made with the leading European universities, but also with universities from other continents. University successfully participates in the Erasmus programme - the biggest student, academic, and administrative staff exchange programme.



BASIC INFORMATION

Name of the Faculty:

University of Split,
Faculty of Civil Engineering, Architecture and Geodesy

Shortened name of the Faculty:

FCEAG

Faculty of **C**ivil **E**ngineering, **A**rchitecture and **G**eodesy in Split

Address:

Matice hrvatske 15, 21000 Split, Croatia

E-mail:

info@gradst.hr

Phone:

Switchboard: +385 21 303 333

Student Office: +385 21 303 303,
+385 21 303 375

General Secretary: +385 21 303 304

Fax:

+385 21 465 117

Official website:

<http://www.gradst.unist.hr/eng>



Facebook:

<http://www.facebook.com/gradst.unist.hr>

How to reach us?



STUDYING WITH US

Our Faculty is a member of the University of Split and our main activities include scientific research and teaching on all levels of study programs. FCEAG offers study programs for undergraduate, graduate, postgraduate, and professional study levels.

The Civil Engineering study program offers:

- undergraduate studies lasting 3 years (6 semesters) after which a successful student earns a minimum of 180 ETCS credits with the awarded academic title **Bachelor in Civil Engineering**
- graduate studies lasting 2 years (4 semesters) after which a successful student earns a minimum of 120 ECTS credits and is awarded the academic title **Master in Civil Engineering**
- postgraduate university Ph.D. study lasts three years and upon its successful completion, the candidate is awarded a minimum of 180 ECTS credits and the academic title **Ph.D. in Civil Engineering**
- professional studies in civil engineering lasting 3 years (6 semesters) after which a successful student earns a minimum of 180 ETCS credits with the awarded academic title **Professional Bachelor in Civil Engineering**



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Architecture and Urban planning program offers:

- undergraduate studies lasting 3 years (6 semesters) after which a successful student earns a minimum of 180 ETCS credits with the awarded academic title **Bachelor in Architecture and Urban planning**
- graduate studies lasting 2 years (4 semesters) after which a successful student earns a minimum of 120 ECTS credits and is awarded the academic title **Master in Architecture and Urban planning**



Geodesy and Geoinformatics program offers:

- undergraduate studies lasting 3 years (6 semesters) after which a successful student earns a minimum of 180 ETCS credits with the awarded academic title **Bachelor in Geodesy and Geoinformatics**



EXCHANGE STUDENTS

There is a number of courses available to students who come to Faculty of Civil Engineering, Architecture and Geodesy as exchange students within the mobility programmes such as Erasmus+, Sunbeam and Greentech. The course list is divided by the Faculty studies.

The FCEAG accepts only graduate level incoming students for Civil Engineering and Architecture and Urban planning studies. For Geodesy and geoinformatics studies, the Faculty accepts undergraduate incoming students only. It is not permitted to take courses from different study programmes, only from the study programme that the incoming student enrolled at the sending institution.

Civil Engineering study – graduate level

Course list:

- Dynamics of structures and earthquake engineering
- Mechanics of materials
- Concrete structures I
- Concrete structures II
- Advances timber structures
- Metal structures II
- Masonry structures
- Building materials II
- Coastal engineering
- Water protection and municipal wastewater and rain water treatment
- Wastewater and solid waste management
- Rock mechanics
- Complex foundations
- Earthworks
- Housing installations
- Building physics
- English



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Architecture and Urban planning studies – graduate level

Course list:

- Graduate Design studio 1
- Protection and Restoration of Architectural Heritage Studio I
- Research in Urban Planning
- Project Management
- Graduate Design Studio 2
- Protection and Restoration of Architectural Heritage Studio II
- Construction Investments Planning
- Interior Design
- Graduate Design Studio 3
- Protection and Restoration of Architectural Heritage Studio III



Geodesy and geoinformatics study – undergraduate level

Course list:

- Basics of Geoinformatics
- Computer Geometry
- Geoinformation Modelling
- Remote Sensing
- Hydrographic Survey

You can find more information on our Faculty website:

<http://gradst.unist.hr/eng/other/exchange-students>

STUDY PROGRAM CLASSES

Teaching process

The teaching process consists of lectures, seminars, and practicums depending on the individual course curriculum. The teaching activity is conducted by teachers, lecturers, assistants, external associates, and guest lecturers. For some courses, the teachers engage senior students whose task is to provide aid to junior students in mastering course content. All teachers and assistants have weekly office hours for students to come and get additional information on issues related to the classwork. For the purpose of continuously enhancing the quality of studies, the students are provided with the opportunity to express their opinion and assess the quality of courses and teachers including other faculty members participating in the teaching process.

Assessment of knowledge and examinations

At the introductory lectures, each course teacher informs the students regarding the grading, course prerequisites, and the monitoring and assessing student progress including materials and information needed to follow the course. The list of readings, materials, and course syllabus is posted on the Merlin platform and students are expected to check them regularly. An oral or written assessment of a student's knowledge of course contents is conducted during classes (mid-terms) and the grading system is dependent on the type of course and in most cases ends up with the final examination conducted upon completion of lectures. The schedule of mid-terms and final examinations is communicated in advance and posted on the Merlin platform.

Academic calendar

Winter term: beginning of October – end of January

Winter exam period: February

Summer term: beginning of March – middle of June

Summer exam period: middle of June – middle of July

Summer vacation: middle of July – end of August

Autumn exam period: end of August – end of September

Midterms are included into terms, and are performed individually depending of professor in charge of the class.

In between ends of terms and exam periods there is one week of no activities which is left for the students to study and prepare for exams, as well as finish their individual obligations towards classes.

National holidays in Republic of Croatia

January 1	New Year
January 6	Epiphany
*	Easter
*	Easter Monday
May 1	Labour Day
May 30	Statehood Day
*	Corpus Christi
June 22	Anti-fascism Day
August 5	Victory and Homeland Gratitude Day
August 15	Assumption
November 1	All Saint's Day
November 18	Remembrance Day for All Victims of the Homeland War
December 25	Christmas
December 26	St. Stephen's Day



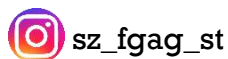
*Different date every year.

ADDITIONAL ACTIVITIES AT FCEAG

During studying at the FCEAG students have the possibility to engage in a wide range of opportunities where they can use the knowledge acquired to practice and improve professional competencies. The faculty researchers at the FCEAG are constantly involved in acquiring different research and professional projects funded by a variety of funded by EU programs and local and national industries. Many students in the past participated in research and professional projects and some of them, after completing their academic study was hired as young researchers on these different projects conducted at the FCEAG.

Student Union

Student Union is the student elective body responsible for representing the interests of students within the Faculty affairs. The Student Union offers a wide variety of professional and leisure programs that provides each student the opportunity to meet local people, make new friends, participate in sports activities, and enjoy a memorable experience. If you want to be up to date with events, student activities and other information, you can join student union Instagram page:



Career center

Career center enables students to get information regarding the real work environment, potentially participate in some project activities and develop new skills and gain professional experience. It provides students the possibility to get internships with different companies with which the Faculty collaborates. The Career Center helps with a variety of issues regarding student start-ups based on creative ideas, transmits business offers from potential employers, and organizes thematic workshops held by external experts or distinguished faculty staff members. Contact: Ivana Blagaić, dipl. oec. (ivana.blagaic@gradst.hr)

FCEAG SUMMER SCHOOL

The University of Split, Faculty of Civil Engineering, Architecture, and Geodesy organizes summer school for different courses in the area of civil engineering, architecture, and geodesy. Each program provides an opportunity for students to learn from our highly motivated professionals and expand their knowledge by gaining valuable hands-on experience in offered school topics.



Available courses are:

Application of Ground-Penetrating Radar (GPR) in Civil Engineering

- Introduction to fundamentals of GPR operation
- Problem analysis and selection of an appropriate antenna
- Independent survey of the structural element using GPR
- Detection of the location of underground installations
- Locating damage on the carriageway and the pavement structure
- Analysis and interpretation of GPR surveys

Coastal Engineering – modelling wave transform

- Wind data sets analysis; statistical stationarity
- Deep water wind generated wave parameters estimation
- Input preparation for the wave transform model, setting up and running model
- Results post-processing

Introduction to GIS with practical applications

- GIS concepts
- Overview of commercial and open source geospatial data and software
- Geospatial analysis
- Raster data visualisation and analysis
- Geospatial data visualisation
- Web GIS dissemination

Structural fire engineering analysis

- Introduction to fire engineering analysis
- Heat transfer modelling
- Structural fire analysis
- Prescriptive based design of structures



Sustainable Architecture: Materiality and Spatial adaptability

- Reuse of existing/historical building
- Basics of conservation approach to the adaptation of historic buildings
- Reuse of waste material (wood waste)
- Design opportunities and constraints of concrete 3D printing

BIM COURSES

BIM for Architects

- BIM modelling approach
- Making of 3D BIM model according to drawings
- Carpentry installation, finishings and furniture
- Generating plans from 3D BIM model
- Export material quantities from 3D BIM model
- Bimplus platform – interoperability and collaboration with other professional groups
- Allplan rendering possibilities and Lumion presentation



BIM for Engineers

- BIM approach in modelling
- Making of 3D BIM model according to 2D drawings
- Generating plans from 3D BIM model
- Making work form plans
- 3D reinforcing in Allplan
- Export material quantities from 3D BIM model
- Automatic reinforcement display
- Bimplus platform–interoperability and collaboration with other occupational groups

BIM for HVAC

- BIM approach in mechanical engineering
- Modelling office building using HVAC BIM approach in AX3000
- Ventilation module
- Heating module
- Energetic simulation module
- Sanitary module
- Bimplus platform – interoperability and collaboration with other occupational groups



BIM for Structural Design

Main topics:

- BIM approach in modelling
- Modelling of reinforced concrete structure and load
- Static analysis by the finite element method
- Review of analysis results and dimensioning of structures
- SCIA Software Engineer communication with other BIM software
- Checking steel connections
- Bimplus platform – interoperability and collaboration with other occupational groups

BIM Management

Main topics:

- BIM project management
- BIM standards (ISO, BS, PAS)
- Employer's Information Requirements – EIR
- BIM Execution Plan – BEP (project information, BIM software tools, data sharing...)
- Coordination of BIM models
- Communication of BIM participants (allocation of responsibilities and setting deadlines)
- Document Management in Bluebeam
- Work in a shared data environment (Bimplus)

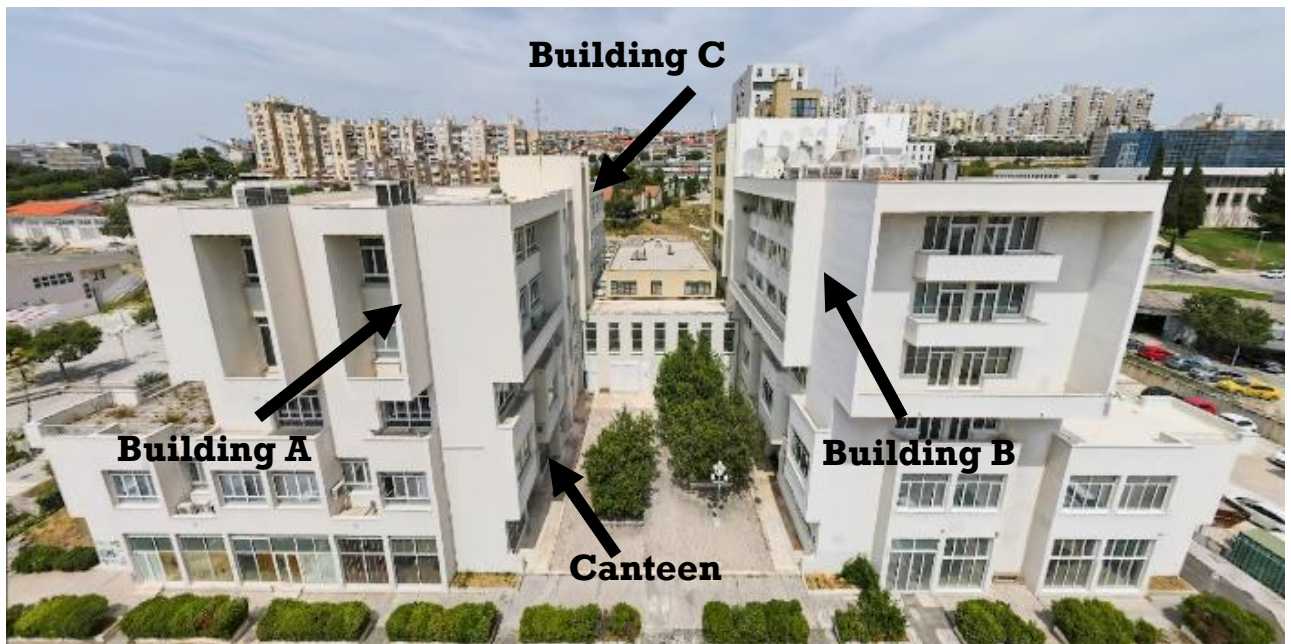


You can check out this promotion video from 2016 Summer School in Split:

https://www.youtube.com/watch?v=2KoVl5zYcdY&ab_channel=FGAGSplit

GETTING AROUND THE FACULTY

The Faculty has had its own premises since the day it was founded. The area of 8400 m² is used for halls, lecture halls, student study rooms, classrooms, offices, laboratories, library, conference room, bigger and smaller amphitheatre, and canteen with coffee shop.



FCEAG is composed of three buildings, where building A and C are where most of classes are held and building B is where offices for faculty staff are, along with all laboratories in premises.

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After going through main entrance of FCEAG you will find yourself in atrium from where you can easily access library, amphitheatre, Wi-Fi corner for studying, student affairs office, deanery and conference hall.



Ascending staircase leads to classrooms and some offices of buildings A and C, while descending staircase leads to FCEAG canteen and coffee shop. Hall connects building C to B and leads to laboratories and offices.



You can virtually walk around our facilities on Google Maps Street View:

<https://www.google.com/maps/@43.5095214,16.4759265,15z>

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FCEAG Laboratory is an organizational unit of the Faculty of Civil Engineering, Architecture and Geodesy, University of Split, established to support and advance scientific research. It consists of eleven Specialized Laboratory Units (SLUs) fully set with up-to-date scientific equipment:

- Laboratory for seismic testing
- Geotechnical laboratory
- Laboratory for constructions
- Laboratory for materials
- Laboratory for numerical modeling
- Laboratory for Geographic Information Systems and decision support modeling
- Laboratory for geodesy and geoinformatics
- Laboratory for implementing contemporary technologies in architecture
- Laboratory for traffic roads
- Measuring station for wind energy
- Hydrotechnical laboratory

The hydrotechnical laboratory and laboratory for seismic testing are dislocated at the newly built facility in the settlement Žrnovnica about 6km distance from the main Faculty building.

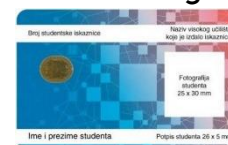


IMPORTANT STUDENT INFORMATION



AAI Identity

AAI Identity is provided to each student upon enrolment and is used until the completion of the study. The AAI identity is used for accessing Merlin, the e-learning platform, Eduroam wireless network within the Faculty facilities, and other contents intended exclusively for students and faculty members. The AAI identity can be obtained by contacting the Student Registry Office in main building A during working hours.



X-card

X-card is a student identity magnetic card containing a student photo that can be used in a student restaurant and cafeterias for consuming food and beverages under government-subsidized prices. In the upper left corner of the X-card, there is an Academic Citizen Unique ID number that determines each student in a unique manner.

ECTS points

European Credit Transfer System (ECTS) is a standardized credit system used in higher education institutions within the EU. It directly relates to student workload and learning outcomes achieved through each study program and makes studies and courses transparent. It helps students to move between countries and to have their academic qualifications and study periods abroad recognized.

For more information, please visit: <https://education.ec.europa.eu/education-levels/higher-education/inclusive-and-connected-higher-education/european-credit-transfer-and-accumulation-system>

Regulating your stay in Croatia

If you have come from abroad for the purpose of study, you should first request a personal tax number (OIB) at the Central Tax Administration (Porezna Uprava). This number will be issued immediately and it is free of charge.

You only have to bring your passport and the form available on this link http://www.porezna-uprava.hr/en/EN_obrasci/Documents/PINrequest.pdf.

Don't worry, in this process, you will be helped and guided by the institution's coordinator.

Mobility period shorter than 90 days

EU citizens - Since Croatian accession to the European Union, EU citizens are no longer obliged either to apply for approval for a temporary stay or to register their address if they are staying in the Republic of Croatia for a shorter than 90 days.

Non-EU citizens - Upon your arrival in Croatia, within 48 hours you have to register your address in Croatia at the Foreigners' Office of the relevant Police Administration Office. For scholarship holders who are staying at student dormitories (or hotels), the address is automatically registered. In this process, you will be helped and guided by the institution's coordinator.

Student support

The FCEAG provides mentoring and peer support for incoming students who are encouraged to contact the ECTS and ERASMUS coordinators prior to their arrival in Croatia. Incoming students will be guided through the application procedure, finding accommodation facilities, health insurance coverage, and other issues of student interest.

ECTS coordinator:

Assoc. Prof. Deana Breški (deana.breski@gradst.hr)

ERASMUS coordinator:

Assist. Prof. Goran Baloević (goran.baloevic@gradst.hr)

ERASMUS+

Erasmus Plus is the largest program in the EU for education, training, youth, and sport in Europe. The 2021-2027 program places a strong focus on mobility, social inclusion, green and digital transitions, and promoting young people's participation in society. The Erasmus program enables students to fulfill a part of their studies at different higher education institutions abroad with which the University of Split signed an Erasmus Agreement. For more details see: <https://erasmus-plus.ec.europa.eu/about-erasmus/what-is-erasmus>

Merlin e-learning



Merlin is an e-learning platform based on an open-source system used for conducting classes using the unified AAI@Edu identity that is provided for all members of the academic community.

MS Teams



MS Teams is communication platform that enables professors and student to communicate directly, share information about individual classes, as well as files and assignments.

Studomat



Studomat is an information system providing systematization and registration of data that allows students to conduct administrative tasks online including registration or withdrawal. The very important Studomat function is the application for each new semester that can also be done at the Student registry. Every individual exam application goes through Studomat.

Free installation of Applications

While studying with us every student has possibility to install applications through FCEAG license free of charge. Our IT support will be happy to help you if you encounter any problems.

Following applications are available:

- **SCIA**
- **AUTODESK**
- **Intel Fortran**
- **Allplan**
- **Lumion**
- **Idea StatiCa**
- **Geo5**



OTHER INTERESTING INFORMATION

University of Split Library

The University of Split Library is general scientific library that is in walking distance from FCEAG. It is an independent institution under the University of Split and is the central library for other University libraries. It procures and distributes information sources for all study programs offered by the University, and provides users with suitable conditions for research work and studies.

The library collection contains 400,000 books, 14,000 periodicals and newspapers, over a thousand geographical charts, a graphic and musical collection, manuscripts, etc.

If you want to study alone, in groups or maybe in private classroom, just bring your X-card and enrol at the front desk without charge.



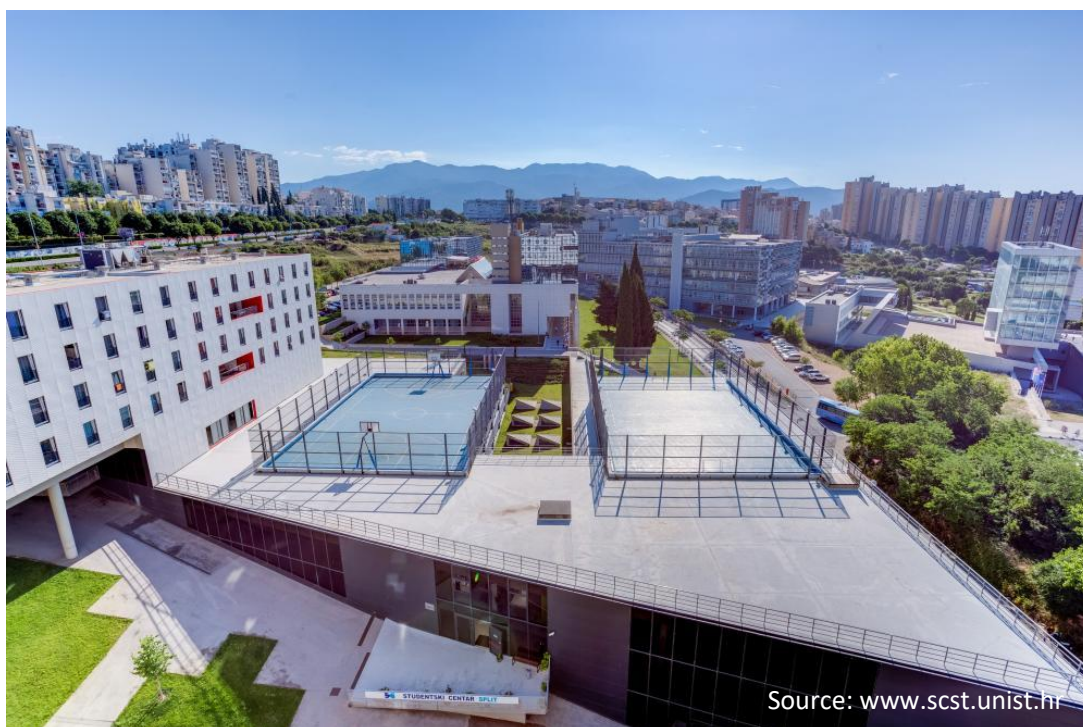
University sport activities

Sport is an important section of our community, mirror of academic life and students' standard, and University of Split is one of the fundamental factors of sport system on these parts.

Our students have a free of charge use of our 12 different Unisport recreational activities on weekly basis, and participate in Unisport Split – interfaculty system of competition in 15 different sports, and there is also a variety of one-day recreational- competitive manifestations that are held during weekends throughout the academic year.

The best individuals will represent University of Split in Unisport Croatia competition in 18 different sports, and best of the best on national level then have the right to participate on European championships in organisation of European university sports Association.

University of Split is in the European framework recognised organizer of grand sport manifestations, that has many times hosted number of European University championships. Also, international rowing regatta 'Sveti Duje', on which perform the best teams of Oxford and Cambridge universities, belongs to most appreciated university sport manifestations in Europe.



Public transport in Split



Public transport in Split consists only of city and intercity bus lines. There is student discount for monthly ticket available.

If you want live bus locations, view of all bus lines and its stations and timetable, there is app 'Promet Split' available for installation on Google Play Store free of charge. You can also top-up your e-wallet and buy less expensive tickets online, as well as plan your route optimally.



For detailed timetable, and line information, visit:

<https://www.promet-split.hr/en/>

Emergency numbers:

Emergency service ☎ 112

Police ☎ 192

Ambulance ☎ 194

Fire Department ☎ 193

Hospitals in Split:

KBC Firule

☎ +385 21 556-111

KBC Križine

☎ +385 21 557-111

City police administration:

☎ +385 21 307 313

☎ +385 21 307 125

Student dormitories

- Dorm Bruno Bušić: capacity of 403
- Hostel Spinut: capacity of 220
- Dorm Franjo Tuđman: capacity of 605
- Private accommodation in Split



Source: www.scst.unist.hr

Student restaurants

Your X-card has an amount of money that renews every 15 days, and allows you subsidized meals in restaurants below:

- **Restaurant FCEAG**



Source: www.scst.unist.hr



Source: www.scst.unist.hr

- **Restaurant Kampus**
- **Restaurant Ekonomski Fakultet**
- **Restaurant Indeks**
- **Restaurant Hostel Spinut**
- **Restaurant FESB and STOP**
- **Restaurant Kantun C**



UniSpOT application offers you, among other things, a live broadcast on all of the restaurants, so you can monitor how crowded it is in restaurants as well as what is on the menu. You can find UniSpOT application on Google Play Store and install it free of charge.

You can also visit official Student Centre web site to find all the news, information, student work, remaining amount on X-card and many more.

<https://www.scst.unist.hr/>

Culture and leisure

The city of Split offers abundance of events on the cultural scene. For it to be more enjoyable, we are here to tell you where you can use your X-card to get discounts and better offers. Here is the list for some of the content:

Museums:

- Archaeological museum
- Croatian maritime museum
- Ethnographic museum
- Game of Thrones museum
- Homeland war museum in Split
- Museum of Croatian archaeological monuments
- Museum of fine arts
- Museum of illusions
- Natural History museum
- Split city museum
- Meštrović gallery
- Meštrović Crikvine-Kaštilac
- Split Hall of Fame
- The archbishop's seminary
- The Franciscan monastery of Saint Ante
- Tusculum Solin

Cinemas:

- Cinematheque Zlatna vrata
- Karaman (EKTRAN)
- Open air cinema Bačvice
- Cinestar (joker and Mall of Split)
- Cineplexx (City Center One)

Theatres:

- City puppet theatre
- City youth theatre
- Croatian National Theatre Split (HNK)

For more information check out: visitsplit.com/en/184/city-of-culture

We are sure you will easily find something that suits you taste.

Enjoy your stay with Us!