FRI

CREATING NEW WORLDS

1st Cycle

Undergraduate Programmes

University *of Ljubljana*
Faculty *of Computer and Information Science*

The Time Has Come to Decide What You Want to Do in Your Life

What can we promise computer science enthusiasts?

One thing: you will never be bored. Computer science is evolving faster than any other science or technology field. Can any computer expert say that they are working on the same things as they were three years ago? Who would have thought last year when they were programming for MS Windows that they would be building apps today running in Google or Amazon cloud. And maybe, they will be trained for smart watches of tomorrow or the Internet of Things. Also, people who recently developed games only for consoles or PCs discovered a bigger market of simple micro games for mobile phones and tablets which never end and connect gamers all around the globe in a single virtual player community. And there's more: complex games for virtual worlds and headsets (VR) and virtual worlds mixed with virtual assistants powered by artificial intelligence (AI).

And what can we promise computer science students?

The same thing: that they will never be bored during their studies. Have you asked yourself how touchscreens work, how the internet operates or how to develop a modern mobile app for phones or tablets? Would it interest you to link a sensor suit that registers human movement with a robot that would repeat the movements in another room, building, city or country?

Study Programmes

The Faculty of Computer and Information Science offers university and professional study programmes. First cycle study programmes of the Bologna process consist of 3 years, after which students can enrol in the second cycle that lasts two years. The faculty also offers a third cycle (doctoral) programme that lasts three years.

1st CYCLE

Professional Study Programme

Computer and Information Science

University Study Programmes

Computer and Information Science

Interdisciplinary Study Programme in Computer Science and Mathematics
(with the Faculty of Mathematics and Physics)

Interdisciplinary Study Programme in Administrative Information Systems
(with the Faculty of Administration)

Interdisciplinary Study Programme in Multimedia
(with the Faculty of Electrical Engineering)

2nd CYCLE

Master's Study Programmes

Computer and Information Science

Interdisciplinary Study Programme in Computer Science and Mathematics
(with the Faculty of Mathematics and Physics)

Interdisciplinary Study programme in Computer Science Education
(with the Faculty of Education)

Interdisciplinary Study Programme in Cognitive Science
(with the Faculty of Education, the Faculty of Arts and the Faculty of Medicine)

Interdisciplinary Study Programme in Multimedia
(with the Faculty of Electrical Engineering)

3rd CYCLE

Doctoral Study Programmes

Computer and Information Science

Interdisciplinary Study Programme in Biosciences
(with the Biotechnical Faculty, the Faculty of Electrical Engineering and the Faculty of Mechanical Engineering)

POLONA ŠTEFANIČ, FRI graduate

Although I already have a degree in languages, I decided to tackle science as well, which employs the opposite mental processes to the humanities. Before applying to FRI, I had no prior knowledge of programming, which is why I particularly like the practical approach of their studies, the load of laboratory work and seminar assignments through which you learn both how to programme and the theory behind it. This type of knowledge has definitely broadened my horizons and enabled me to work in various areas. I have learnt that computer science is not only a study programme; it is also a way of life.

1st Cycle

Professional Study Programme in Computer and Information Science

The professional study programme's emphasis is on practical and professional knowledge of computer and information science. The programme offers a more flexible selection of courses, especially in Years 2 and 3 when students can choose their courses in order to specialise in a branch of computer science, e.g. web technologies, software, hardware, information systems, computer networks etc. In the last semester, students have a nine week traineeship in a company and finish their thesis. Essentially, the programme aims to prepare students for employment immediately after completing their studies, but they still have the option of continuing in the 2nd and 3rd cycle studies.

Terms and conditions of enrolment

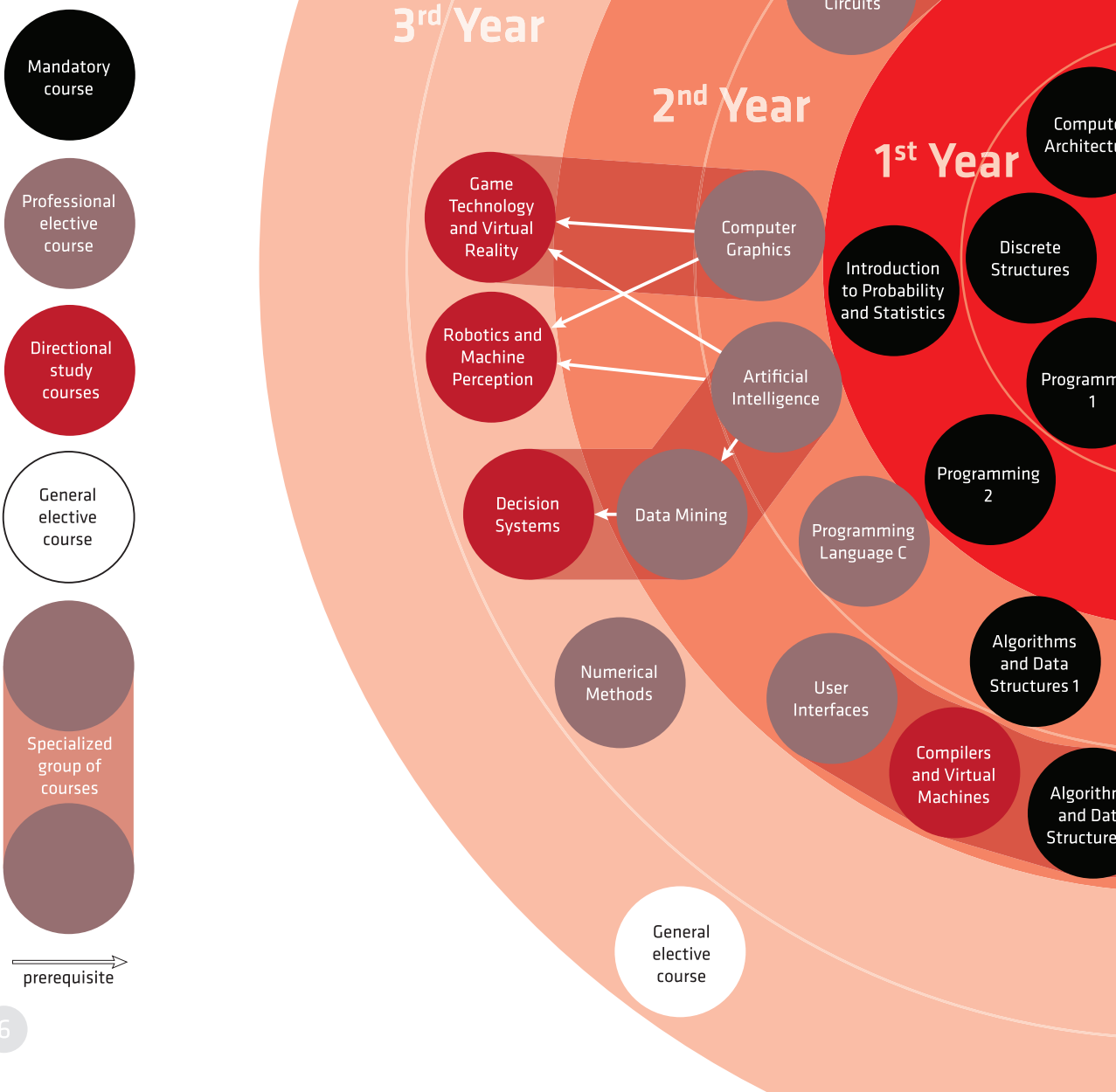
To enrol in the Professional Computer and Information Science Study Programme candidates must have:

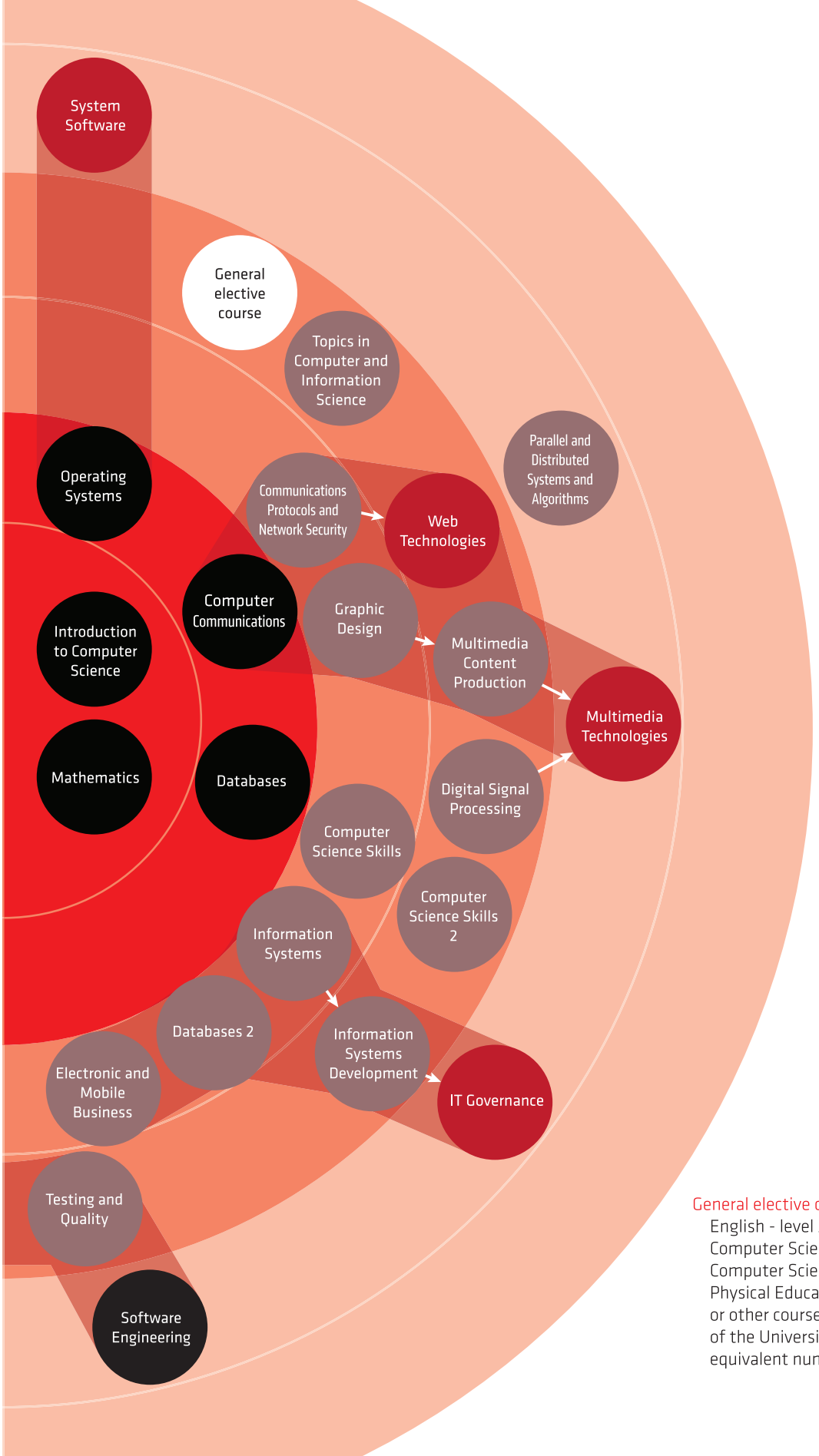
(a) A completed final examination at any four-year secondary school;
(b) A completed vocational matura examination;
(c) A completed matura examination.

In the event of a decision limiting enrolment, candidates will be selected according to:
• The GPA in the final examination, vocational matura examination or matura examination 60%;
•The GPA of Years 3 and 4 of secondary school 40%.

Professional Study Programme in Computer and Information Science

Year 1 consists of ten mandatory courses. In year two, two courses are mandatory, seven courses are professional elective courses and one is a general elective course. In year 3, there is one mandatory course, four professional elective courses and one general elective course, along with work practice and the diploma seminar.





General elective courses offered at FRI:

English - level A,B,C,
Computer Science in Practice I,
Computer Science in Practice II,
Physical Education,
or other course provided by the faculties of the University of Ljubljana with the equivalent number of ECTS.

1st Cycle University Study Programmes

The university study programmes' emphasis is on expert knowledge and gaining essential theoretical and practical skills in computer and information science. They are aimed at students who mainly wish to continue studies on the 2nd and 3rd cycle study programmes. Graduates gain essential knowledge for working in advanced technology development companies or in research and development.

ŽIGA LESAR, Master's student

FRI students are able to network at a number of social events organised by the Faculty, including interesting seminars, events and workshops. We also participate in laboratories, where we work with professors and assistants on various projects and stay in touch with the industry. The academic staff is very accessible and provides us with a lot of help in study matters. FRI has aided me during my studies with a broad spectrum of knowledge and the helpfulness of its staff, who work every day to make the studies extremely fun and exciting.

EVA LUŽNIK ŽNIDARŠIČ, Master's student

As well as gaining professional skills, I have been able to upgrade my organisational, leadership and communication skills through the Student Council, Student Organisation and the Students of Computer Science and Electrical Engineering society as a student at FRI, which I think are very important for my future career.

University Study Programme in Computer Science

The university study programme in Computer and Information Science offers a selection of courses that cover knowledge of programming, algorithms, mobile app development, information systems, web technologies, integrated systems, computer networks and administration. It provides students with skills and the wide range of knowledge necessary and important for working in computer science according to the highest standards and criteria.

Terms and conditions of enrolment

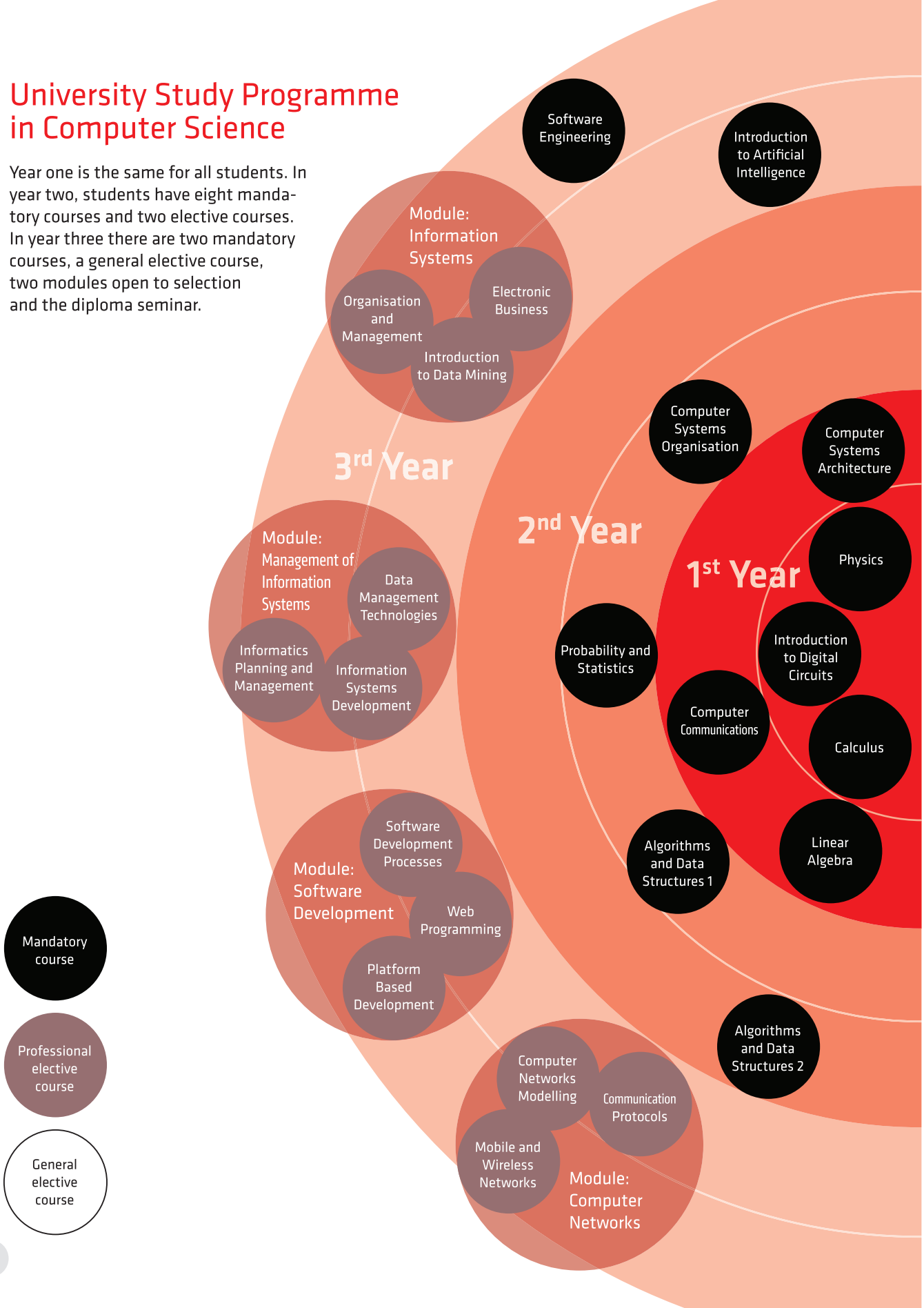
Candidates meeting the following requirements can enrol in the university study programme:
(a) A completed Matura exam;
(b) A completed vocational Matura exam at any secondary school and an exam in one of the following subjects: computer science, mathematics or physics; the chosen subject must not be the same as the subject the candidate passes for the vocational Matura exam;
(c) Any four-year secondary school study programme completed before 1 June 1995.

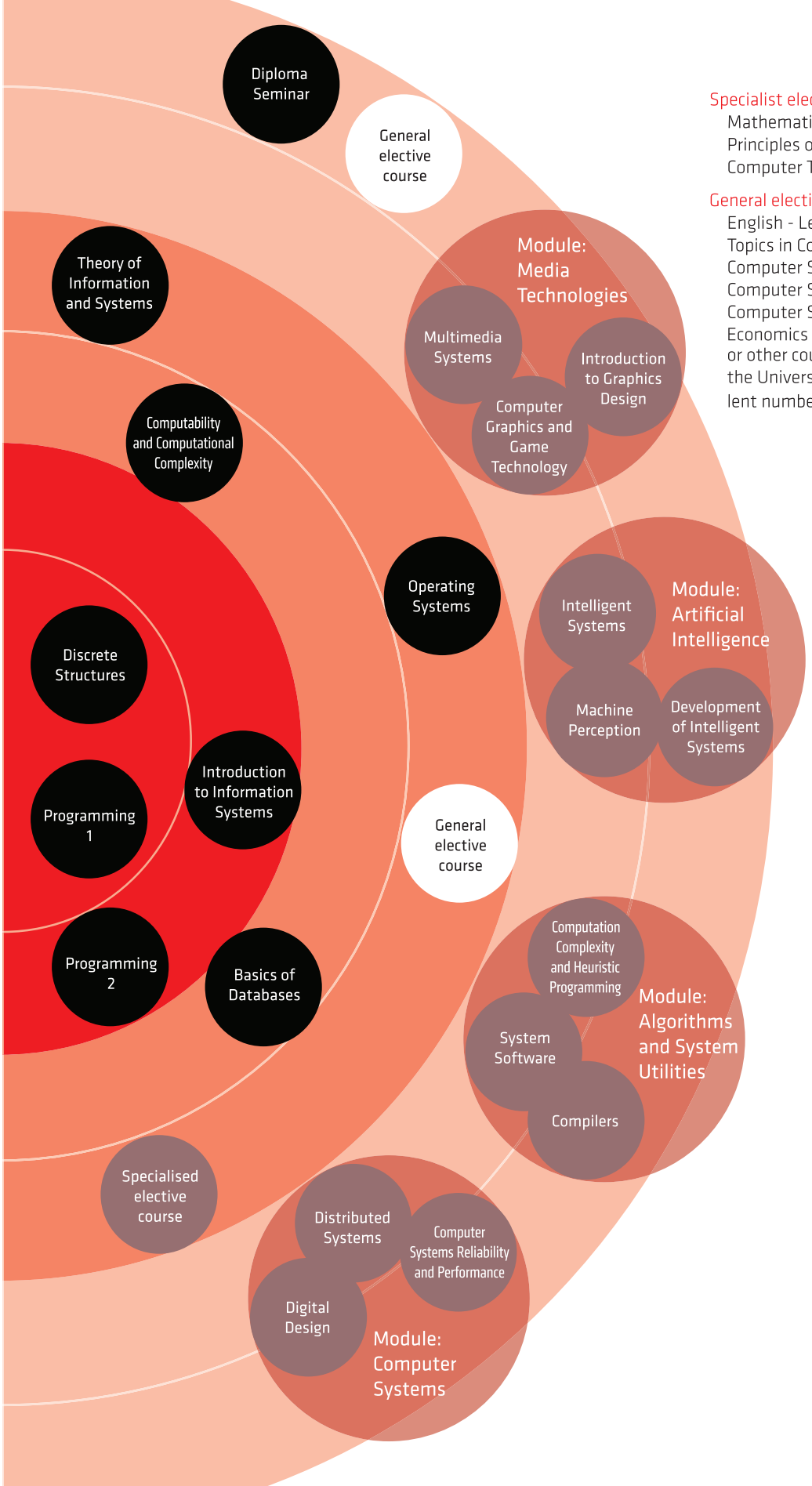
In the event of a decision limiting enrolment, candidates referred to in points (a) and (b) will be selected according to:
•the GPA in the Matura exam or secondary school final exam 60%;
•the GPA of the 3rd and 4th years of secondary school 40%.

Candidates from point (b) will be selected according to:
•the GPA in the vocational Matura exam 20%;
•the GPA of the 3rd and 4th years of secondary school 40%;
•the grade average of one Matura exam subject 40%.

University Study Programme in Computer Science

Year one is the same for all students. In year two, students have eight mandatory courses and two elective courses. In year three there are two mandatory courses, a general elective course, two modules open to selection and the diploma seminar.





Specialist elective courses:

Mathematical Modelling,
Principles of Programming Languages,
Computer Technologies.

General elective courses offered at FRI:

English - Level A, B, C,
Topics in Computer and Information Science,
Computer Science in Practice I,
Computer Science in Practice II,
Computer Science Skills,
Economics and Entrepreneurships,
or other course provided by the faculties of the University of Ljubljana with the equivalent number of ECTS.

MITJA TRAMPUŠ,
PhD, Twitter

As a computer expert, I had the opportunity to participate in some amazing work placements during my studies: at Facebook, I taught the computer how to find the right profile amongst profiles with the same name. At Twitter I taught the computer how to recognise tweet topics (e.g. sport, food, politics etc.), and at Google how to determine the correct meaning of polysemic words (e.g. »bat«). I was able to do all this during my postgraduate studies, but the majority of my fellow interns were undergraduate students. All of these companies spoiled me, paid well and taught me a great deal, not to mention the benefit of the cultural experience I received. Rare fields of work have such a huge appetite for employees. I highly recommend doing internships, as well as the interdisciplinary study programme Computer Science and Mathematics that lead me to do them. Later on, when I specialised in machine learning, these studies proved the right choice for me. The only thing that I could say I lack is more mathematical knowledge.

University Study Programme in Computer Science and Mathematics

The study programme is implemented in cooperation with the Faculty of Mathematics and Physics. It is oriented towards delivering the theoretical bases of computer science and related advanced fields of discrete and computational mathematics. During the course of studies, students acquire a wide range of knowledge of the basics of computer science, informatics and mathematics, and learn to control and later on develop new advancements in the field. A solid mathematical basis helps them understand and integrate new interdisciplinary fields such as biotechnology, biomedical informatics, theoretical chemistry etc.

Terms and conditions of enrolment

Candidates meeting the following criteria can enrol in the interdisciplinary study programme:

(a) A completed Matura exam,
(b) A completed vocational Matura in any secondary programme and a Matura exam subject in Mathematics; if candidates have already completed this for the vocational Matura exam, then they must complete any of the other Matura exam subjects that they have not yet completed for the vocational Matura.
(c) Any four-year secondary school study programme completed before 1 June 1995.

In the event of a decision limiting enrolment, candidates referred to in points (a) and (c) will be selected according to:

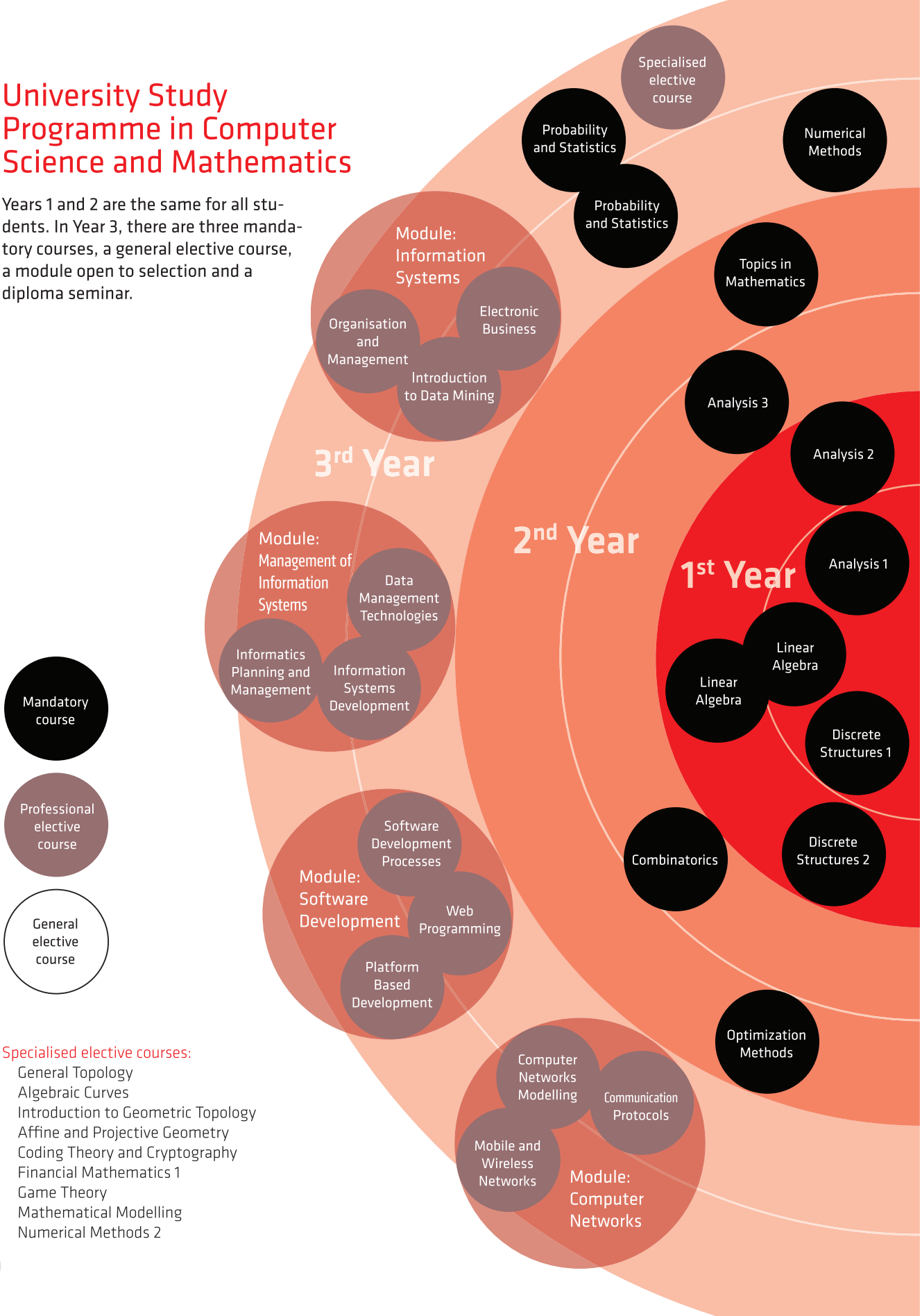
- The GPA in the Matura exam or the secondary school final exam 60%;
- The GPA of Year 3 and 4 of secondary school 20%;
- The GPA of Year 3 and Year 4 in Mathematics 20%.

Candidates referred to in point (b) will be selected according to:

- The GPA in the vocational Matura exam 30%;
- The grade of the Matura exam subject 30%;
- The GPA of Year 3 and 4 of secondary school 20%;
- The GPA in Mathematics in Year 3 and Year 4 20%.

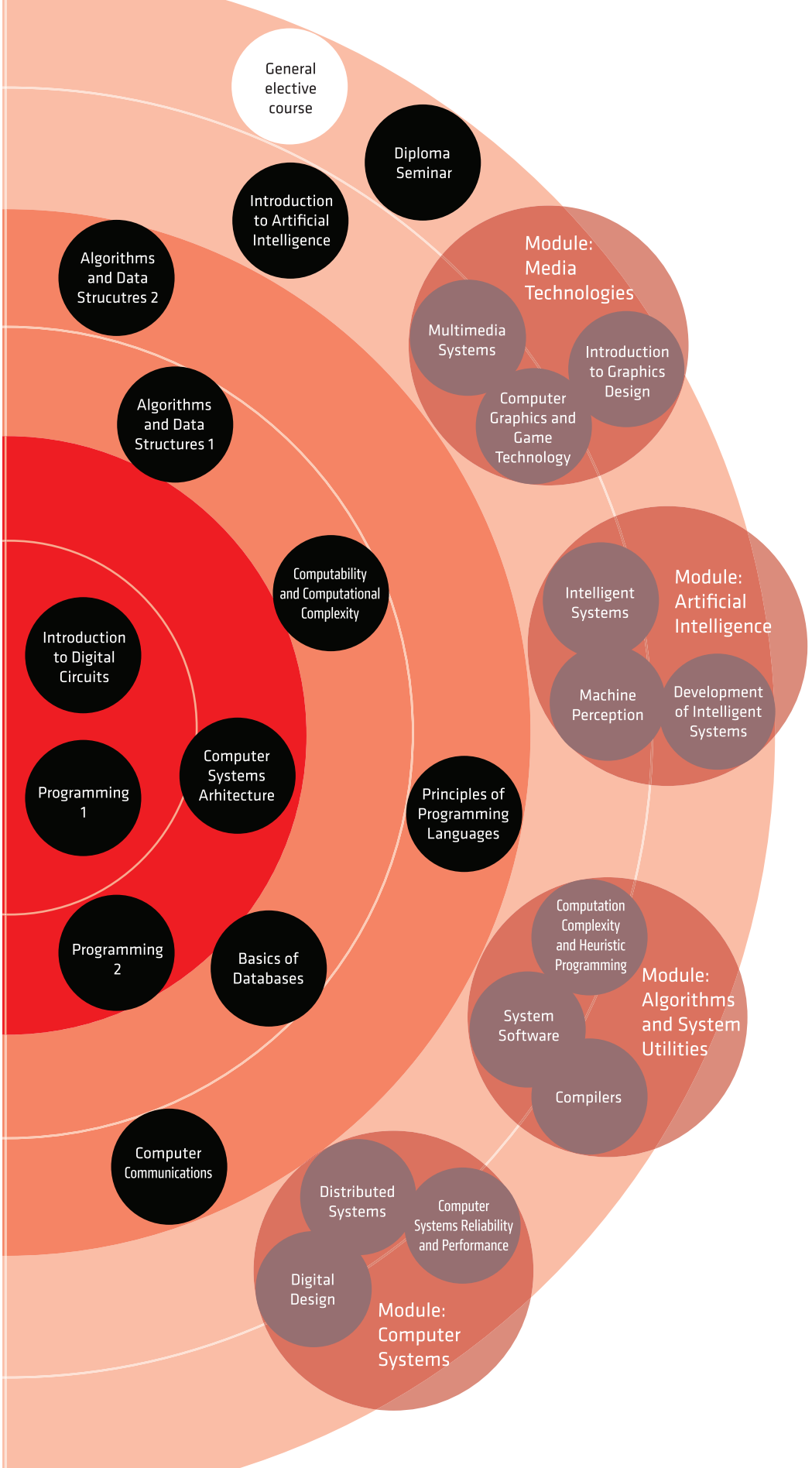
University Study Programme in Computer Science and Mathematics

Years 1 and 2 are the same for all students. In Year 3, there are three mandatory courses, a general elective course, a module open to selection and a diploma seminar.



Specialised elective courses:

- General Topology
- Algebraic Curves
- Introduction to Geometric Topology
- Affine and Projective Geometry
- Coding Theory and Cryptography
- Financial Mathematics 1
- Game Theory
- Mathematical Modelling
- Numerical Methods 2


General elective course
Diploma Seminar
Introduction to Artificial Intelligence
Algorithms and Data Strucutres 2
Module: Media Technologies
Multimedia Systems
Introduction to Graphics Design
Computer Graphics and Game Technology
Algorithms and Data Structures 1
Computability and Computational Complexity
Module: Artificial Intelligence
Intelligent Systems
Machine Perception
Development of Intelligent Systems
Introduction to Digital Circuits
Computer Systems Arhitecture
Programming 1
Principles of Programming Languages
Computation Complexity and Heuristic Programming
Module: Algorithms and System Utilities
System Software
Compilers
Programming 2
Basics of Databases
Computer Communications
Distributed Systems
Computer Systems Reliability and Performance
Digital Design
Module: Computer Systems

Interdisciplinary Study Programme in Administrative Information Systems

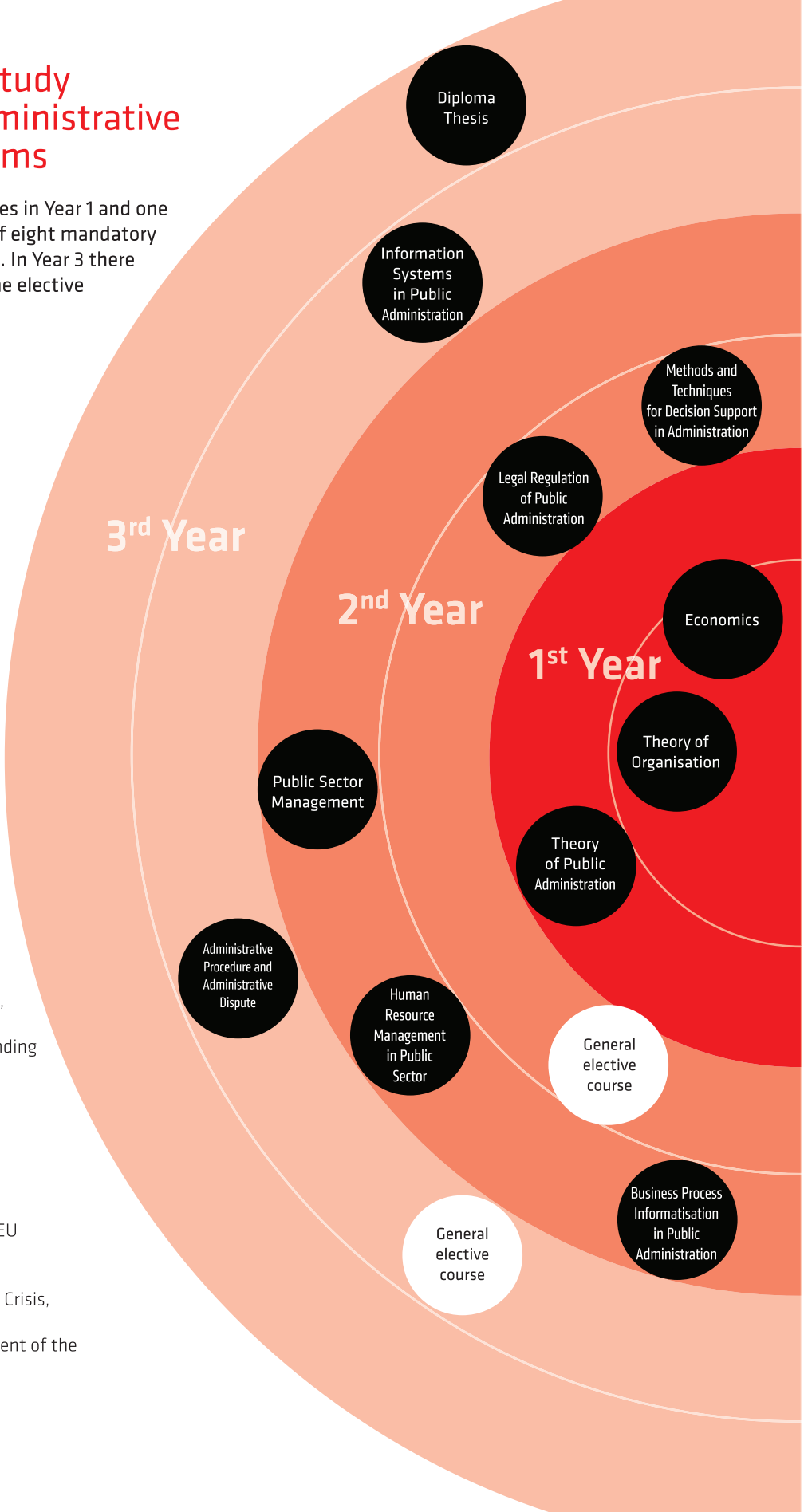
This study programme is implemented jointly with the Faculty of Administration. It is an interdisciplinary programme that offers in-depth knowledge of computer technology, internet and information technology, as well as administrative-legal, economic and organisational skills, which are necessary for understanding public and business administration. Elective courses can be chosen by students from a list of courses offered by both universities.

AJDA CEHNER, Administrative information systems graduate

The interdisciplinary study of Administrative Information Systems has enabled me to become acquainted with two dissimilar professional fields at the same time. The beginning was not easy, because I had to combine social studies with science, but I eventually found my own pace and focused mainly on computer science, which was also my graduation topic. My research looked at e-commerce and web-based technologies. I gained an excellent foundation for the future whilst finding my field of interest.

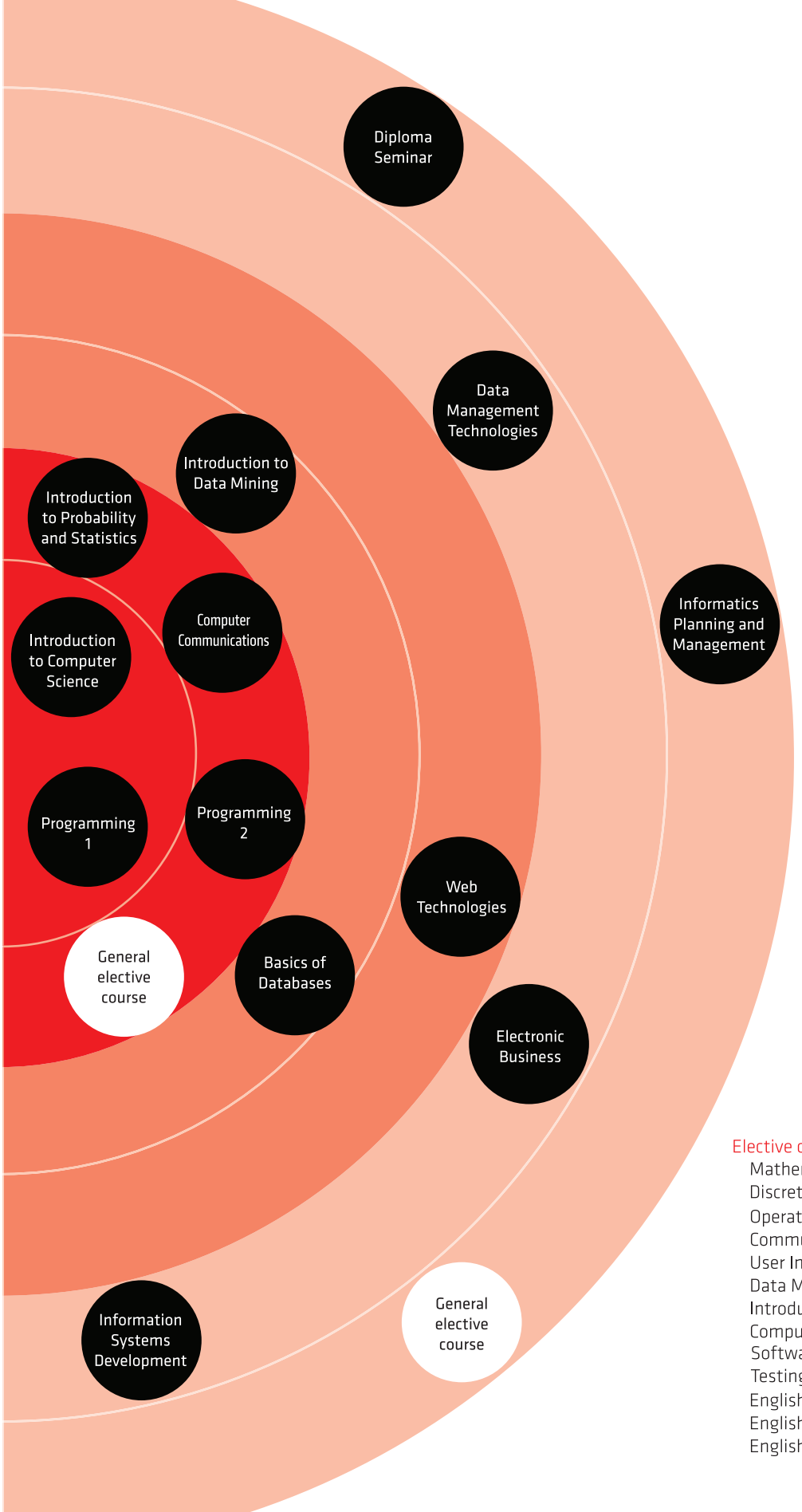
Interdisciplinary Study Programme in Administrative Information Systems

There are eight mandatory courses in Year 1 and one elective course. Year 2 consists of eight mandatory courses and two elective courses. In Year 3 there are seven mandatory courses, one elective course and the Diploma Thesis.



Elective courses (FU):

English for Study Purposes,
Social Networks,
Business Communication in German Language,
Accounting of Public Sector Organizations,
Management Information Systems,
Employment and Social Law,
Project Management,
International Legal Protection of Human Rights,
Good and Ethical Administration,
Corporate Social Responsibility,
Electronic Record Management Systems in Public Administration,
Practicum: Data Management,
Business-Government Relations,
Inspection Supervision,
Public Procurement,
Local and Regional Self-Government,
Methodological Practicum,
Alternative Approaches in Understanding Public Administration,
Organizational Behavior,
Basis of Survey Research Method in Administration,
EU Policies and Public Sector,
Language And Style of Business and Administrative Communication,
Preparation and Implementation of EU Co-Funding Project,
Web Based Marketing,
The European Union's Constitutional Crisis,
US Politics,
Development Planning and Assessment of the Public Policies' Impacts,
Process Management.



Elective courses (FRI):

Mathematics,
Discrete Structures,
Operating Systems,
Communications Protocols and Network Security,
User Interfaces,
Data Mining,
Introduction to Graphics Design,
Computer Architecture,
Software Engineering,
Testing and Quality,
English - level A,
English - level B,
English - level C.

VID ČERMELJ, Multimedia student

Even though the Multimedia study programme has just been launched, the Faculty has already enabled us to cooperate on multimedia-related projects, thus introducing us to practical possibilities of employment after graduation. With fewer students on this programme, we are also more connected, and consequently grow not only our knowledge, but also our friendships, which will continue even after we finish studies.

Interdisciplinary Study Programme in Multimedia

The interdisciplinary university study programme in Multimedia is offered jointly with the Faculty of Electrical Engineering. It combines knowledge of electrical engineering, computer science, design and business. The study programme teaches skills in multimedia while familiarising students with the latest technology and equipment that form the basis of new industry. The study programme brings together some of the best features of electrical engineering, computer science, communications and business, and prepared graduates for work in top domestic and foreign businesses, as well as for research and continuing studies at the postgraduate level.

Terms and conditions of enrolment

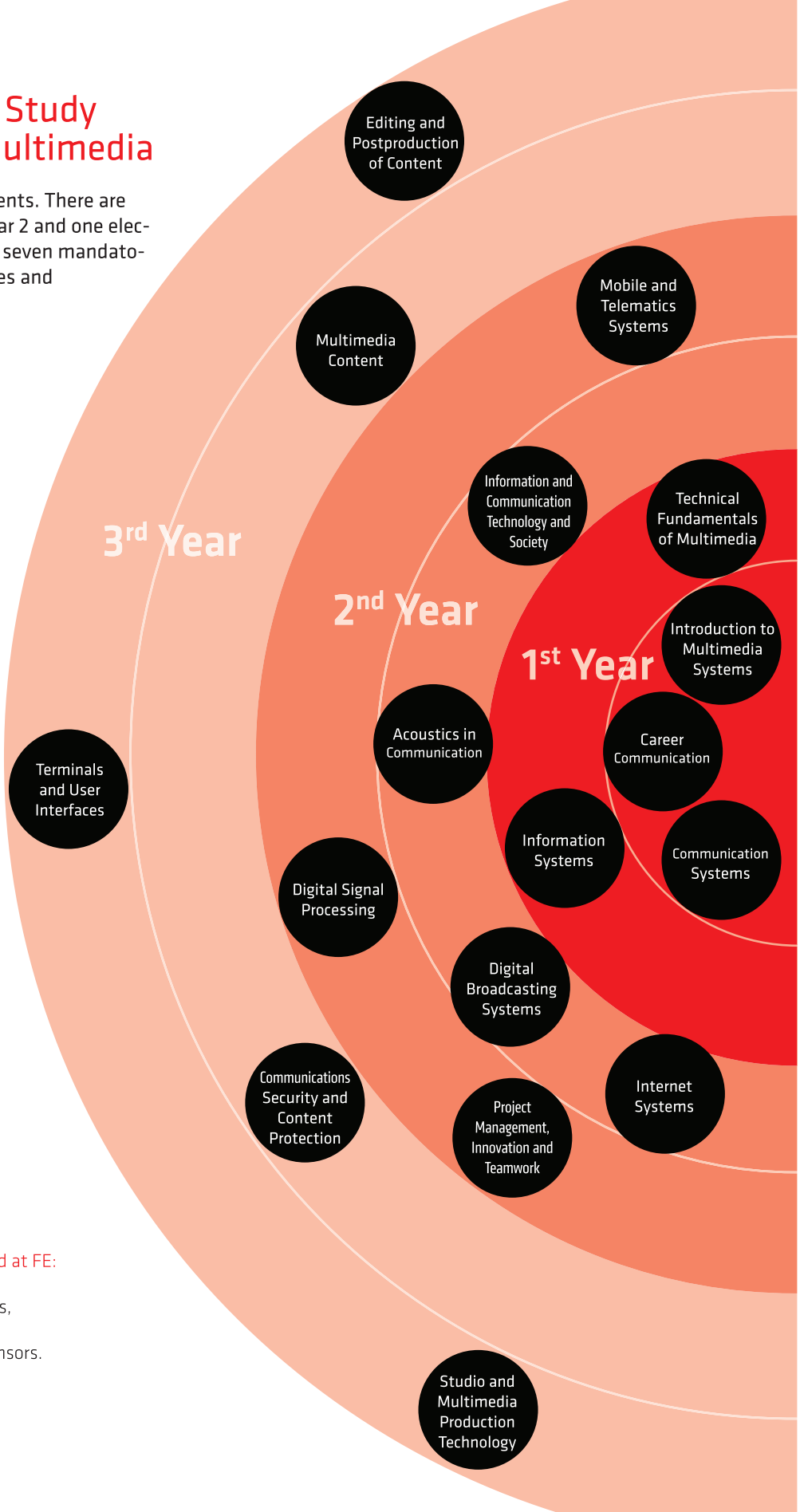
Access to the 1st cycle 'Multimedia' academic study programme is granted to candidates:
(1) who have successfully completed general matura;
(2) who have successfully completed vocational matura in any secondary school programme as well as the examination in one matura subject not already completed in vocational matura;
(3) who have successfully completed any 4-year secondary school programme prior to 1 June 1995.

In the event of limited enrolment, candidates under points (a) and (c) will be selected on the basis of:
- overall success in matura or the final examination 60%,
- overall success in Years 3 and 4 40%;

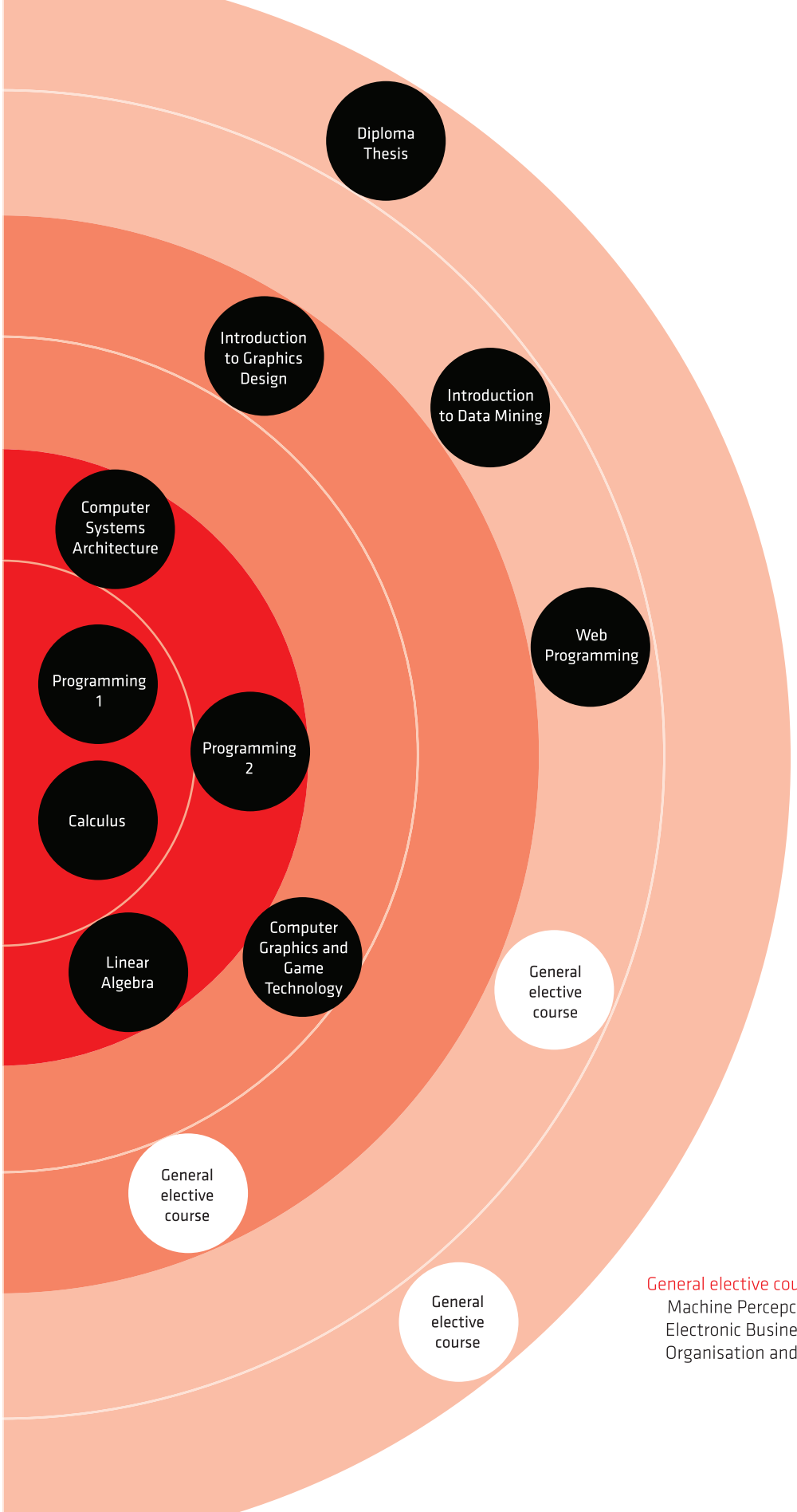
while candidates under point (b) will be selected on the basis of:
- overall success in vocational matura 40%,
- overall success in Years 3 and 4 40%,

Interdisciplinary Study Programme in Multimedia

Year 1 is the same for all students. There are nine mandatory courses in year 2 and one elective course. Year 3 consists of seven mandatory courses, two elective courses and the Diploma Thesis.



General elective courses offered at FE:
Computer Simulation,
Speech and Image Technologies,
Telecommunication Protocols,
Electronic Components and Sensors.



General elective courses offered at FRI:
Machine Percepcion,
Electronic Business,
Organisation and Management.

How to Apply?

The call for Enrolment on the Individual study programmes for the first year of study in 2017/2018 is published on the portal eVŠ: **http://portal.evs.gov.si**

Recognition of Foreign Education

Candidates with foreign higher education qualifications are required to have their education recognised in Slovenia prior to access to the graduate or postgraduate studies in Slovenia. The recognition procedure starts at the request of the candidate who submits the request using the prescribed form Application for the Recognition of Foreign Education for the Purpose of Continuing the Education. The process takes around two months. We advise the candidates, abiding in a foreign country, to appoint and authorise a person in Slovenia, to help with the procedure.

Tuition Fee

Tuition fee for a study year is published on the **www.fri.uni-lj.si/education/undergraduate**

Candidates from the EU, Bosnia and Herzegovina, Montenegro, FYR Macedonia, and Serbia are exempt from tuition fees.

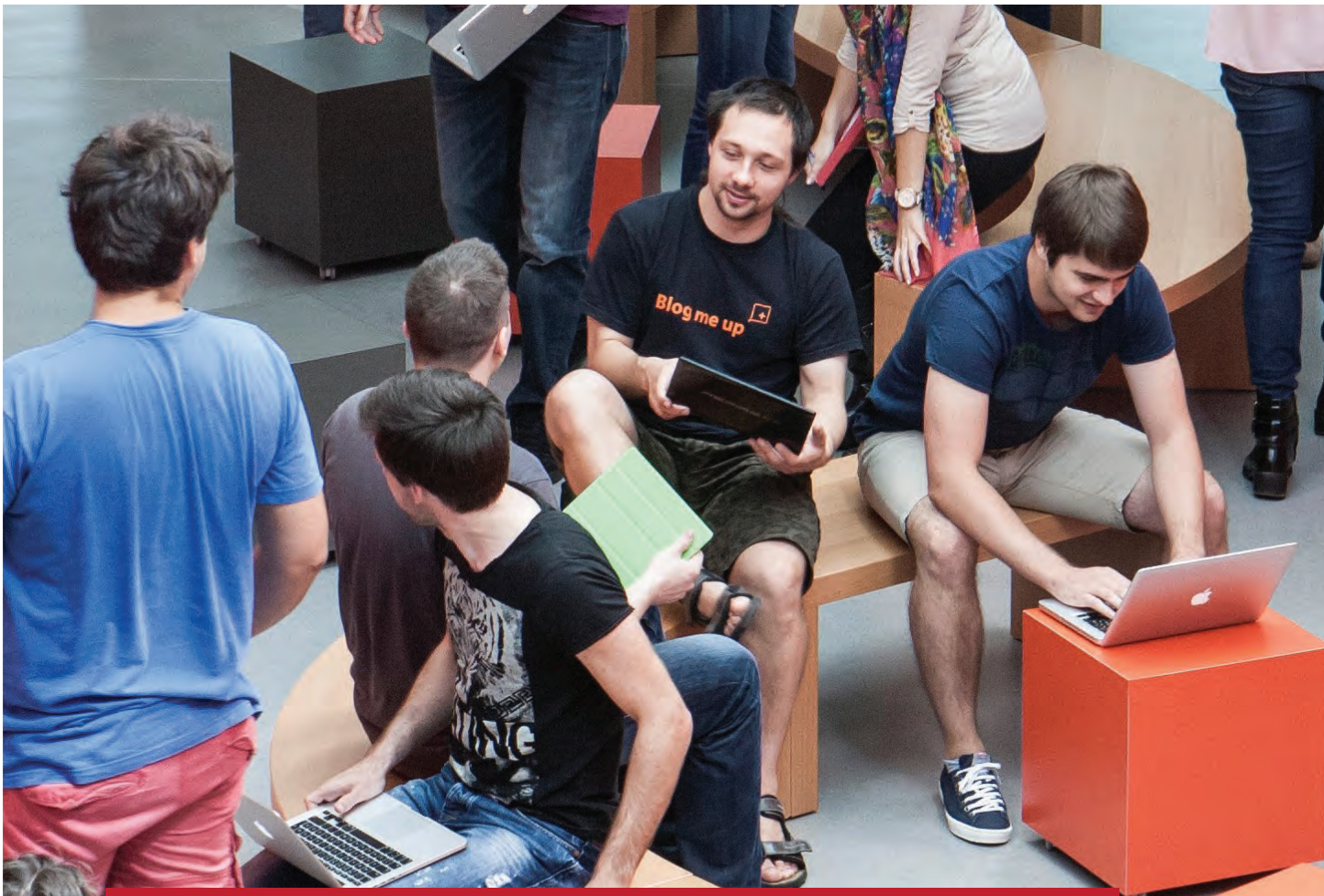
The tuition fees for the academic year 2017/2018 will be announced in February 2017.

Scholarships

Slovene Human Resources Development and Scholarship Fund offers a certain number of scholarships each year for Slovenians from Slovenian national minorities and for Slovenians accross the world.
http://www.sklad-kadri.si/en

Tuition Language

Courses are taught in Slovenian language. The Faculty also offers some courses in English. The updated list of available courses in English:
http://www.fri.uni-lj.si/en/courses



Application for First Cycle Study Programmes

Candidates must submit their application for enrolment, namely via the eVŠ online portal; via the following eVŠ address:
portal.evs.gov.si/prijava

All the information on access to higher education programmes is available in calls for enrolment.

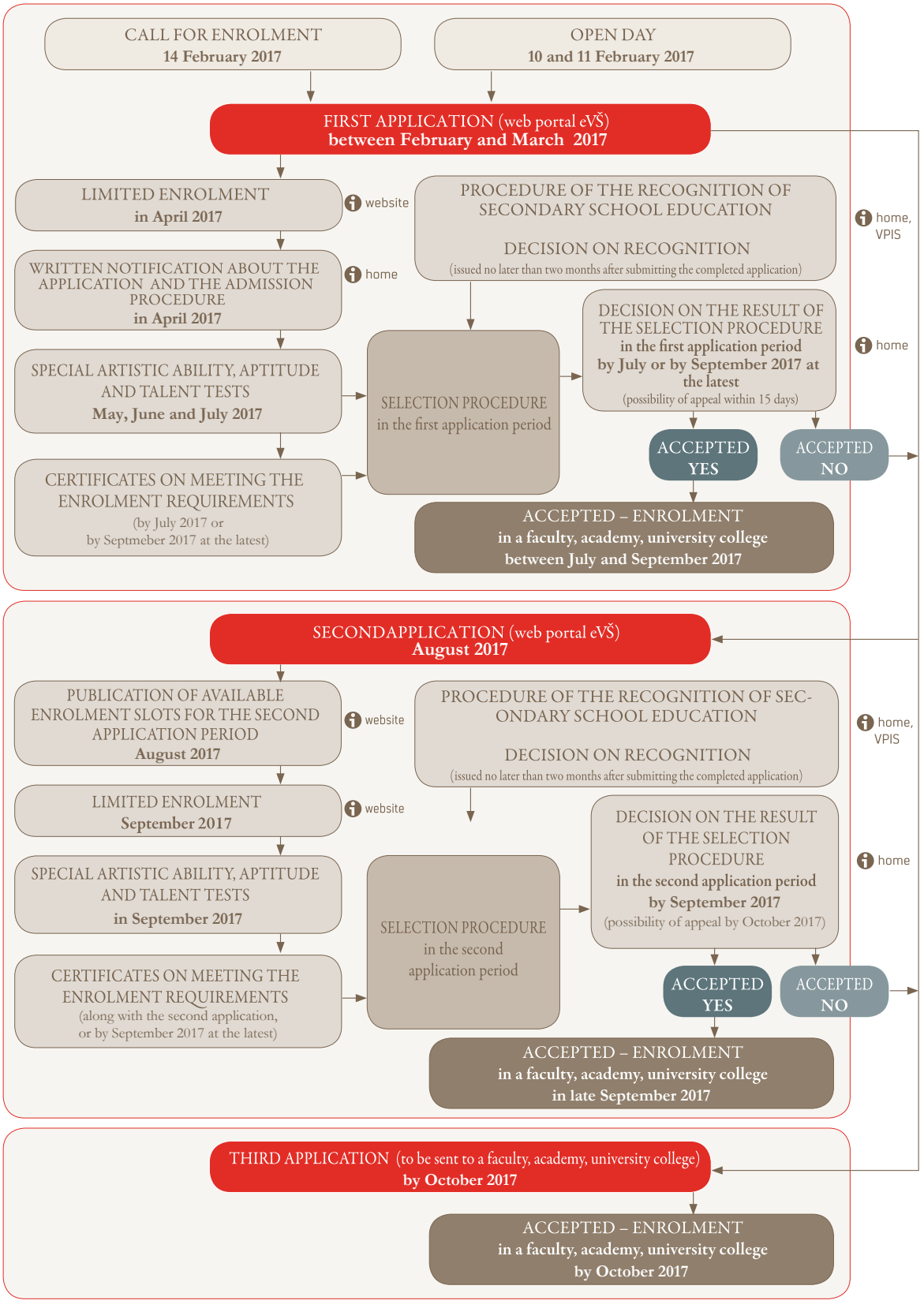
University of Ljubljana
The Higher Education Application and Information Service
Kongresni trg 12, p.p. 524
1001 Ljubljana, Slovenia
Phone: +386 1 241 85 05 and 241 85 08
Fax: + 386 1 241 86 71

tanja.zuzek@uni-lj.si,
alenka.suligoj@uni-lj.si

www.vpis.uni-lj.si

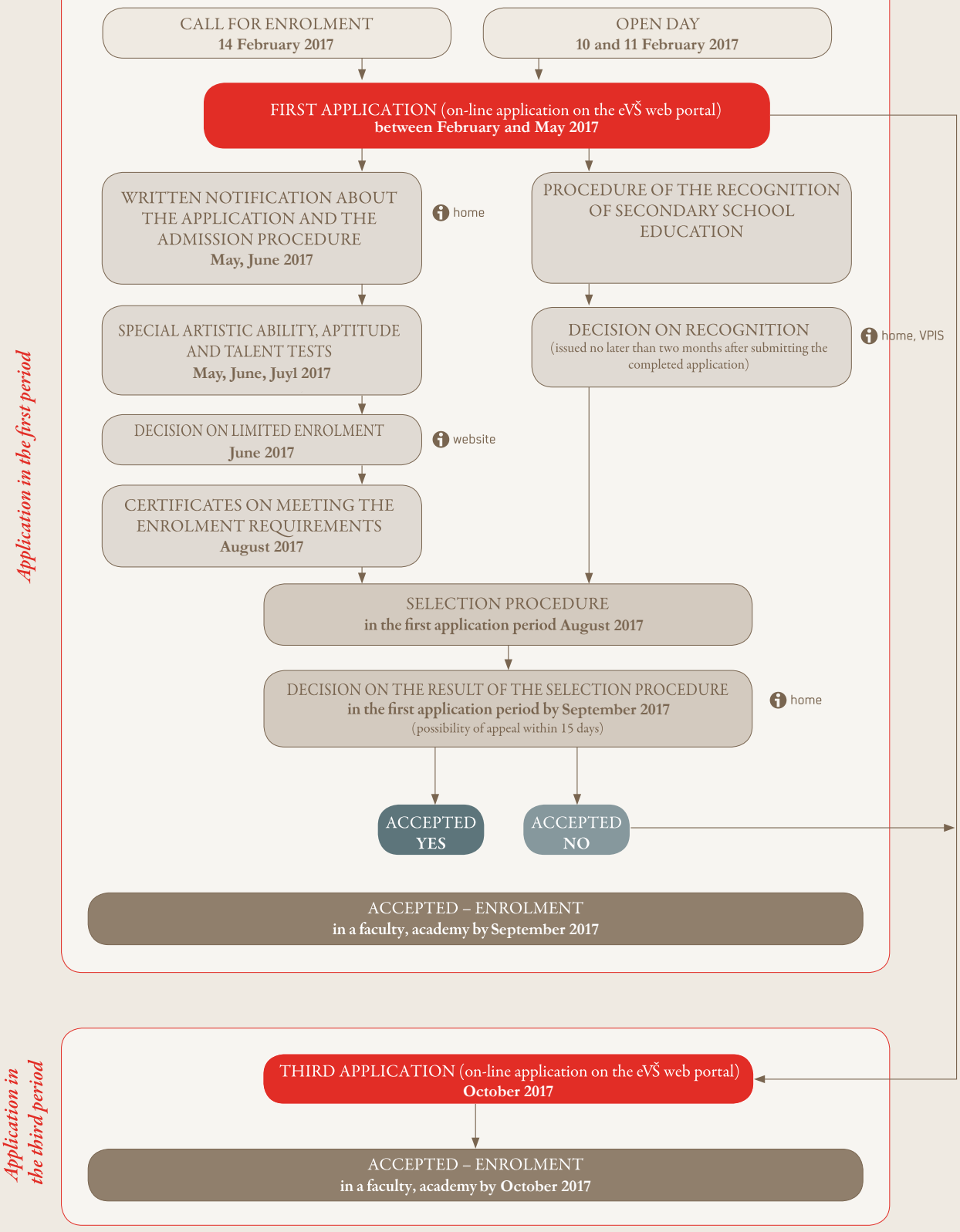
The Application and Admission Procedure

for Slovenian citizens who have conducted secondary school abroad and citizens of EU-member states



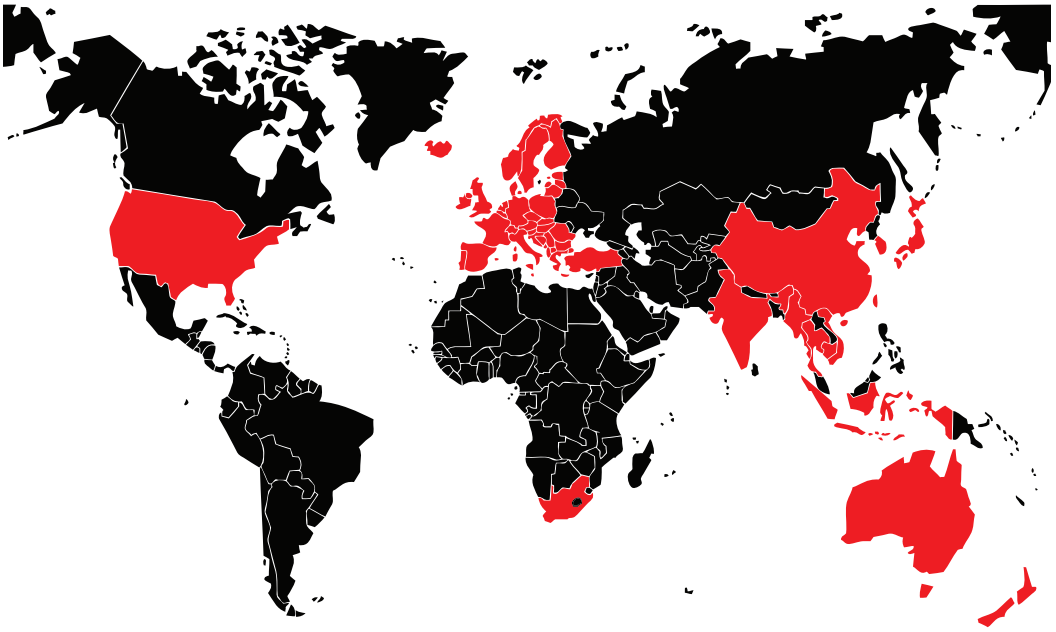
The Application and Admission Procedure

for Slovenians without Slovenian citizenship and for foreign citizens of non-EU countries



International Mobility

Discovering the unknown, an invaluable life experience, an opportunity to form new connections, broaden your horizons, learn new skills – this and more is available at your fingertips through student exchange programmes. The experiences of students who have completed part of their studies abroad vary, but they all share the conviction that their semester abroad was one of the best times of their lives. International exchange programmes enable students to study abroad or complete internships/placements.



Map of the countries we collaborate with:

Albania • Australia • Austria • Belgium • Bosnia and Herzegovina • Bulgaria • Cambodia • China • Croatia • Czech Republic • Denmark • Estonia • Finland • France • Germany • Greece • Hungary • India • Indonesia • Ireland • Island • Italy • Japan • Kosovo • Latvia • Liechtenstein • Lithuania • Luxembourg • Malta • Montenegro • Myanmar • Netherlands • New Zeland • Norway • Poland • Portugal • Republic of Cyprus • Republic of Macedonia • Romania • Serbia • Slovakia • South Africa • South Korea • Spain • Sweden • Switzerland • Thailand • Turkey • United Kingdom • United States of America • Vietnam

Elective Courses Taught by Jure Leskovec, PhD., from Stanford University

Undergraduate and postgraduate university students have the unique opportunity in their general elective courses to also choose two courses delivered by Jure Leskovec, PhD., from the prestigious Standford University. The courses are Analysis of Networks and Mining Massive Datasets. The letter is also available to PhD students. Analysis of Networks covers practical approaches to analysing and understanding large (social) networks on the basis of various models of their structure and development. The *Mining Massive Datasets* course looks at machine learning algorithms that are able to process very large volumes of data and help us acquire information on and the properties of that data.

MARINKA ŽITNIK, PhD

International exchanges are an excellent opportunity for students to broaden their horizons, network with peers from other cultures, learn about new research topics and generally form connections that reach beyond the comforts of home. During my studies, I went on several research visits to the University of Toronto, Imperial College London, the Baylor College of Medicine in Houston and the University of Stanford. The Faculty of Computer and Information Science supported me throughout, for which I am very grateful. I found that the Bioinformatics Laboratory played an important role for me – I started to cooperate with them during my undergraduate studies and prof. Blaž Zupan, PhD truly opened many doors to research institutions for me. I think my student exchanges enriched my understanding of the world and I always strive to share my research experiences and enthusiasm with the people and the environment I return to.

SAŠA ŠPILER, postgraduate

Ever since I started my studies, I wanted to spend a semester abroad. I decided to go to the Netherlands, which turned out to be an incredible experience. Learning about new people and a new culture, impromptu excursions during the weekends, and studying in a foreign language at the world-famous university in Utrecht all became part of my everyday life. I can say with confidence that this experience opened my eyes to seeing the world in a different way that will certainly benefit me in the future.

Studies and the Economy

In addition to scientific research, the Faculty also cooperates with the business world, which has proved important for gaining new knowledge and experience in business, as well as providing new scholarships and subsequent employment opportunities for our students. The Faculty offers lectures from visiting professors at our university, while companies offer prize challenges in programming, paid internships etc.

The Faculty hosts weekly lectures linked to the industry that aim to educate students and staff. The lectures are public and host experts from different companies and institutions who highlight issues that companies face on a daily basis.

Up to the Nose in Mud

Up to the Nose in Mud is a series of monthly lectures on industry and technology for everyone who wants to dive deeper into advanced (computer) technology. They are suitable for graduate and postgraduate students. The lecturers are seasoned experts who work for companies and want to share their experience with the next generation of professionals.

Student Challenges

The university cooperates with businesses in creating programming challenges. Students are also confronted with research challenges in practice. They can participate in challenges by ComTrade, Nil, Celtra, Zemanta and Xitaso.

COMTRADE Zemanta

XITASO IT & SOFTWARE SOLUTIONS celtra

NIL

Traineeships

At the professional studies level, students finish the semester with a traineeship. They acquire new skills in computer and information science technology that are essential for being a successful computer expert.

Laboratory Project Work

The Faculty encourages students to work on projects that take place in research laboratories. A number of laboratories function at the Faculty that develop new methods and knowledge in areas of computer science for domestic and international projects, in cooperation with businesses and foreign institutions. Among other things, the laboratories participate in the 'Creative path to practical knowledge' project, which develops practical skills and experience while working with companies.

UL FRI Alumni Society

The UL FRI Alumni Society brings together graduates and teaching staff, working towards accelerating the personal and professional development of FRI graduates after the completion of their studies. It enables the cooperation of business partners, the faculty and the students. By maintaining interpersonal relationships and affiliations to the profession, it contributes to the development of both the academic and business communities.

Extracurricular Activities

FRI and FE Sports Society

The sports society was established in 1998. It organises sports activities throughout the academic year, including skiing trips, biking trips, mountain hiking, kayaking, rafting and surfing every year. At the Rožna dolina sports centre, sports activities are held every week, where students can play basketball, volleyball and football or work out in a fitness centre. The society also organises tournaments in basketball and futsal. The Faculty has a men's and women's volleyball league that plays in the University volleyball league. Even in sports, our faculty offers something for everyone.

International Summer Schools

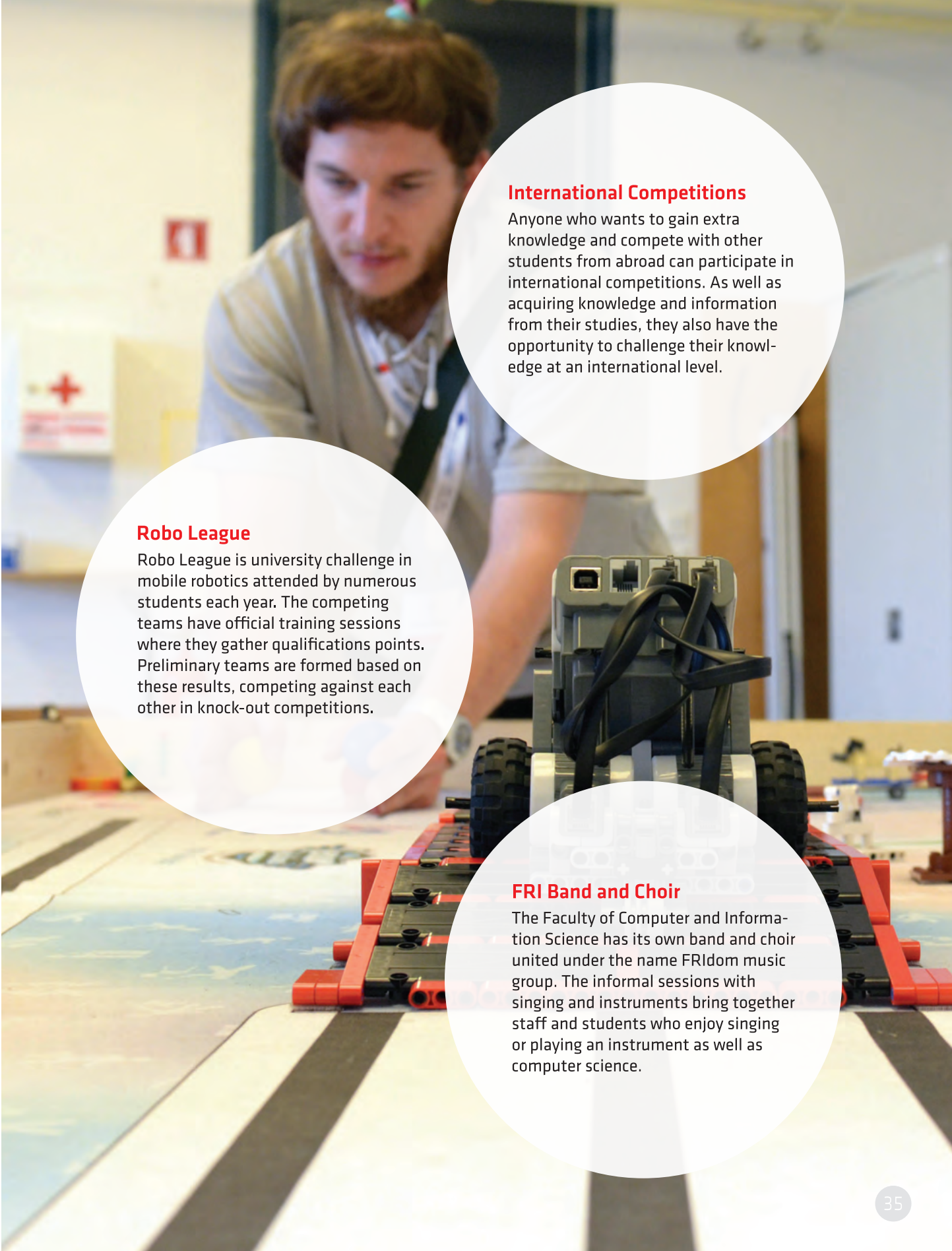
The international summer school is available to FRI students and students from other faculties who want to upgrade their knowledge of computer science under the supervision of domestic and foreign experts.

Student Excursions

In recent years, a group of FRI students have been going on an excursion to the States lasting several weeks. They travel from the East, to the South and West of America into the heart of computer development – Silicon Valley and its environs, where they get to know the computer enthusiasts' everyday schedules. Students usually visit some of the world's most famous corporations such as Google and Facebook, as well as prestigious American universities.

Tutoring

The purpose of tutoring is to facilitate the students' integration into the academic environment, to guide them through the academic process, answer their queries and generally provide them with a higher quality study experience.



International Competitions

Anyone who wants to gain extra knowledge and compete with other students from abroad can participate in international competitions. As well as acquiring knowledge and information from their studies, they also have the opportunity to challenge their knowledge at an international level.

Robo League

Robo League is university challenge in mobile robotics attended by numerous students each year. The competing teams have official training sessions where they gather qualifications points. Preliminary teams are formed based on these results, competing against each other in knock-out competitions.

FRI Band and Choir

The Faculty of Computer and Information Science has its own band and choir united under the name FRIdom music group. The informal sessions with singing and instruments bring together staff and students who enjoy singing or playing an instrument as well as computer science.

Careers

According to Forbes magazine, the largest number of jobs offered to software developers; among the most employable jobs in 2015 were also database administrator and data scientist. The European Comission estimates that by 2020 Europe will lack 900,000 experts in information-communication technology. Furthermore, computer liceracy is one of the key criteria for employment.

Specialist in Computer Interactions

Adapting computers, smartphones, multitouch tables and new web technologies to the potential needs and tastes of the everyday user.

App Designer

Graduates gain expert knowledge in various programming languages, algorithms, data structures and web security.

Robotics Expert

Developing robots such as the iRobot Roomba vacuum cleaner and mobile robots designed to search ruins, avalanches and mine fields.

Data Analyst

With database analysis skills and by observing amoebas, students can develop new antibiotics, double revenue based on client data or help with the economic crisis in international bank transactions.

Computer Vision Expert

Graduates with appropriate skills can be employed by Google on the Google Glass project. They gain skills for the development of tools for indentifying and photographing objects and with a mobile phone, for game interfaces for Xbox and Kinect, and find solutions for traffic sign detection in cars.

ANDRAŽ TORI,
founder and technical director of Zemanta

My passion for computers was the reason why I enroled in computer science studies. During my studies, I already used my computer skills in various ways - in the non-government sector, for activist and entrepreneurial purposes. It is important for students to get to know the great world out there, which is why at Zemanta we try to cooperate with the Faculty in order to open student's minds and subsequently their future opportunities. We cooperate in the University challange and in "in the Mud" lecture series. We started with "Up to our Ankles", continued with "Up to our Knees, Waists and Necks", while this year we are already "Up to our Nose in (industrial) Mud". More is avalable at:
http://meetup.com/vblatu

IZA LOGIN,
director and founder of Outfit7, the creator of Talking Friends

Samo and I created our first multimedia app for children while we were still students at FRI. At the time, this represented quite a technological challenge and was a lot of fun. Later on, our business path led us to different enterprises, where we gained skills in business and leadership. When Samo decided to create a mobile app company in 2009, he invited me, along with six of his colleagues. We decided to build entertaining apps for children, which had been my dream fifteen years ago. The scope of our work has grown considerably and now also involves the development of various apps (cartoons, films, physical products, music and so on). For areas where we had no experience, we hired top experts from Slovenia and abroad.

2nd Cycle
Master's Study Programmes

Graduates of all disciplines can continue on one of four second cycle study programmes divided into blocs of two years or four semesters. The programmes offer a wide scope of knowledge of computer and information science and prepare students for a successful career in either the industry or academia.

Study Programme in Computer and Information Science

Interdisciplinary Study Programme in Computer Science and Mathematics
(with the Faculty of Mathematics and Physics)

Interdisciplinary Study Programme in Computer Science Education
(with the Faculty of Education)

Interdisciplinary Study Programme in Cognitive Science
(with the Faculty of the Arts, the Faculty of Medicine, the Faculty of Education and other foreign universities)

Interdisciplinary Study Programme in Multimedia
(with the Faculty of Electrical Engineering)

Requirements for Enrolment

The requirement for enrolment into second cycle studies is a completed first cycle degree (university or professional study programme) or an equivalent study programme.

In the case of limited enrolment, a selection exam is required for the Computer and Information Science programme and the Computer and Information Science Education programme. Enrolment candidates are classified on the basis of their undergraduate study results and the selection exam results. The selection exam aims to rank students and, in the case of limited enrolment, is a requirement for admission into the Master's programme.

Double Degree Programme

In the 2013-2014 academic year, the Faculty of Computer and Information Science launched the double degree programme in cooperation with the Graz University of Technology. Students in Year 2 of the Master's programme in Computer and Information Science spend one semester at the Graz University of Technology. Upon completion, they receive degrees from both universities.


t is the index of the leftmost element
ht is the index of the rightmost element
nber of element in subarray = right - left + 1
tition (array, left, right)
pivotIndex := choosePivot (array, left, right)
pivotValue := array [pivotIndex]
swap array[pivotIndex] and array[right]
storeIndex = left
for i from left to right - 1
if array[i] < pivotValue
swap (array[i], array[storeIndex]), storeIndex++
swap(array[storeIndex], array[right])
return storeIndex

3rd Cycle
Doctoral Programme

Faculty of Computer and Information Science delivers a doctoral programme in Computer and Information Science. It also cooperates in the delivery of the Biosciences programme. The study programme aims to deepen the students' knowledge of computer science and train them for research. We recommend it for students who intend to stay in academia and also others whose goal is to work in more demanding development and innovation computer science industries. The entire study programme is conducted in English.

MATEVŽ PESEK,
doctoral student

A computer science engineer must be an expert in two fields: in his or her own and in the field of the task assumed. Doctoral study enables me to work during the day on ideas that I dream about at night. Research, which is an essential component of doctoral studies, is appealing not only because of the approach to the unknown, but it is also personally fulfilling, because I grow and am becoming a better man as I achieve research progress.

Useful Information

Residence Permits for the Republic of Slovenia

EU citizens do not need a permit (visa) to enter the Republic of Slovenia; they can enter with a valid identity card or valid passport regardless of their purpose of stay. For all stays less than three months, these citizens do not have to register their place of residence; they only need to register at the competent police station within three days of crossing the country border. If they want to stay longer than three months, they have to register their place of residence at their local administrative unit.

Foreign citizens from countries that are not EU Member States coming for study, specialisation, professional improvement or practical training purposes, will be issues visas or temporary residence permits. Foreign citizens who do not need visas, because they are citizens of a country that Slovenia does not have a visa arrangement with, can enter with valid passport and can stay in Slovenia for 90 days within six months.

Enrolment Number and Citizen Number (EMŠO)

All exchange students receive their enrolment number and citizen number (Unique Master Citizen Number or EMŠO) upon arrival at the International Exchange Coordinator`s Office.

Housing in Ljubljana

Information on renting rooms or flats is available at the following address:

ŠOU – University Student Organisation (www.mkvadrat.si)

The Office for International Students operating within the framework of the ŠOU is headquartered at Vojkova 63, 1000 Ljubljana. General information on student life in Ljubljana is available to foreign students.

Student Halls of Residence

Slovenes without a Slovene citizenship who are recipients of a Republic of Slovenia scholarship (the Slovene Human Resources and Scholarship Fund) can apply for a room in one of the student halls of residence (**http://www.stud-dom-lj.si**). The allocation of accommodation for scholarship recipients will be conducted by the Ministry of Education, Science, Culture and Sport in collaboration with scholarship providers. Recipients of Ministry Scholarships shall be charged subsidised rent. The Ministry or the scholarship provider shall pay the rent directly to the student hall of residence out of the allotted scholarship. Unfortunately, accommodation in Student halls of residence is not available to other foreign students not participating in the CEEPUS or ERASMUS+ programmes.

Where to Eat?

During they stay in Ljubljana, students are entitled to food subventions (equal to 2.63€) for the majority of Ljubljana`s restaurants. The additional fee they need to pay varies up to 4.37€ (as well as the quality of the food and service offered in the restaurants.

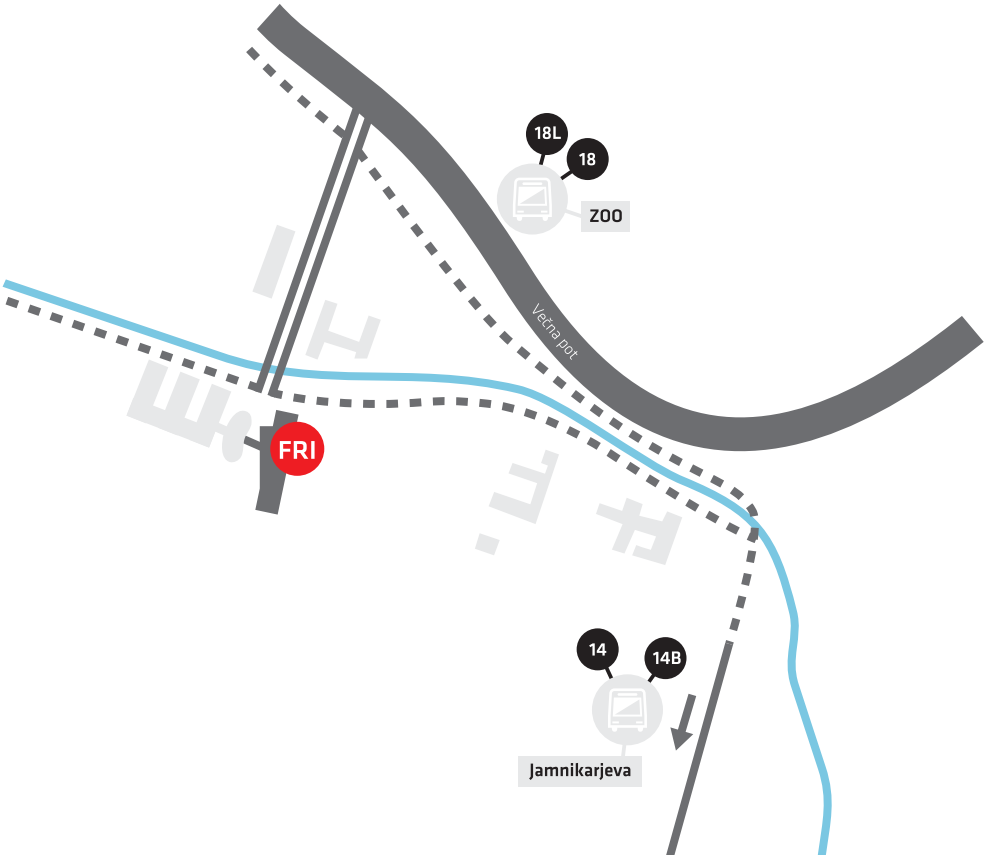
How to Get Around?

The most useful and cheapest form of transportation are buses. There are monthly student tickets available for 20€.

photo: D. Wedam/Turizem Ljubljana

The Faculty of Computer and Information Science of the University of Ljubljana relocated to its new premises which provides a good basis for the future growth and development of the faculty in all areas, including research, education and knowledge transfer.

It is located in the South-West of Ljubljana within walking distance from the center of Ljubljana. To reach the Faculty from the center take bus lines 18/18L or 14/14B.



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