

CEEPUS

CEEPUS Network

FREND

Fire Engineering Education

Minimum three universities: one co-ordinating and two participating.
Co-ordinating University is responsible for the overall coordination of the FIRE ENGINEERING EDUCATION and its management.
Co-ordinating University and participating universities agree to found a Consortium agreement on:

Two possibilities

Development of the new curriculum leading to a Joint degree

Adjustment of existing curricula

Requirements:

- to have very similar program and curricula's
- usually three partners, but could be more
- **each partner need to have their own program accredited at national agency for accreditation**
- to have Letter of Intent – sign by Dean
- to have Letter of Endorsement – sign by Rector
- to have documents relating to Joint Programs

Possibilities:

- each partner could involve Silent Partner (visiting teacher from EU)

Consortium agreement:

- which subjects will be hold at which University
- how many students will be at xx University
- number of students for getting Ceepus support
- the rules for students getting CEEPUS support
- ????

Requirements:

- to choose the curricula which are for exchange
- to choose the teachers for exchange
- to choose the number of students for exchange
- to organize the summer school or workshops with getting the certificate and credit numbers
- to have Letter of Intent – sign by Dean
- to have Letter of Endorsement – signed by Rector
- to have documents relating to Network Program

Student benefits:

- student could choose the University they wanted to study:
- the whole program or some subjects
- student could get more diplomas

Student benefits:

- student could choose some curricula at different University
- student can be present at the summer school or workshops
- student could be involved at the summer school or workshops to get certificate and number of credits

CEEPUS Network – **FREND** - Fire Engineering Education

The goal of the FREND is to transfer the knowledge from academia to practice with the final aim to protect the people life and properties of structures.

The chances for fire in buildings and structures has become bigger and bigger with increase of urbanisation, number of habitans per square unit area, use of sophisticated electronics in house and workplaces and also with people inattention. A proper fire safety measures as a part of the whole system are essential in design, construction, exploitation and maintainance fase of structures life cycle. Fire Engineering Safaty System play an important role in ensuring protection and taking the necessary precautionary actions against unwanted incidence, fire in the structure. Obviously, fires cannot be prevented, but structures can be designed, built and maintained in a better way.

To ensure a wel-performed and reliable fire safety Master?? Course is to cover all necessary knowledge for attendees through the obligatory and elective curriculum. The basic value of this study is the interdisciplinary knowledge usefull for the practice. Having completed the studies, students will be qualified for the following jobs: urban planning and architectural designing regarding fire protection measures, preparation and revision of fire-prevention in compliance with fire-prevention regulations; controlling of the mechanical resistance and stability of general designs in case of fire; designing and execution of the conversion of older structures that do not meet basic fire-prevention requirements; preparation of fire-risk assessments for structures; expert witnessing of fires; designing, manufacturing and installation of fire-prevention equipment and devices on constructions; testing of materials and structures when exposed to fire; production, testing and installation of fire-prevention materials on constructions as fire engineering specialist.

Possible organization:

The courses are lectured in English by academics from all partner institutions and invited teachers (silent teachers) from associated members. The teaching is organized in three semesters, each 60 ECTS and is held in Zagreb and [xxxxx](#). The course work for first two semesters is concentrated in [xxxx](#) countries and third semester is reserved for dissertation work and can be done at any of partners involved in the teaching process.

The students collect the ECTS from [xxx](#) obligatory subjects, [xxx](#) from elective subjects and [xxx](#) from dissertation.

Eligibility

The [MSc](#) course is open for all interested students which fulfill the minimum requirements and they may apply for a Ceepus grant.

Minimum requirements

All those who have completed their graduate/diploma studies at any of the technical engineering faculty can enrol in these specialist studies.

Plan of curricula and place of teaching

Curricula	Place of teaching				
	Zagreb	xx	xx	xx	xx
THERMODYNAMICS OF FIRES					
THERMODYNAMICS OF FIRES - laboratories					
FIRE PERFORMANCE OF CONSTRUCTION MATERIALS AND ELEMENTS					
FIRE PERFORMANCE OF CONSTRUCTION MATERIALS AND ELEMENTS -laboratories					
BASICS OF LOADBEARING STRUCTURES*					
FIRE SAFETY OF STRUCTURES					
FIRE MODELLING					
ARCHITECTURAL AND CIVIL ENGINEERING FIRE PROTECTION MEASURES					
URBAN PLANNING AND FIRE PROTECTION MEASURES					
FIRE PROTECTION MEASURES IN INDUSTRY					
ACTIVE FIRE PROTECTION SYSTEMS					
HUMAN BEHAVIOUR IN FIRES					
FORENSICS OF FIRE					
FIRE SAFETY LEGISLATION					
FIRE RISK ASSESMENT AND MANAGEMENT					
SCIENTIFIC RESEARCH METHODOLOGY					
THESES					

*Only for those who are not architect, civil engineer or mechanic engineer

About CEEPUS:

CEEPUS is an acronym for the "Central European Exchange Program for University Studies". It is an academic exchange program for students and teachers from Central Europe based on multilateral cooperation agreements in the fields of education and research.

The main CEEPUS activity is based on university networks operating joint programs, ideally leading to joint degrees.

CEEPUS scholarships are adjusted to the needs and living conditions in a particular country of academic exchange and they cover room and board, as well as a monthly stipend.

The main objectives of CEEPUS are to contribute to merging the European Higher Education Area and European Research Area by promoting inter-university cooperation and mobility in the framework of EU Strategy for the Danube Region (EUSDR).

Current member countries of CEEPUS are:

Albania, Austria, Bosnia and Herzegovina, Bulgaria, Croatia, the Czech Republic, Hungary, Macedonia, Moldova, Montenegro, Poland, Romania, Serbia, the Slovak Republic and Slovenia. Prishtina/Kosovo is also participating.

CEEPUS scholarships are comprehensive grants which cover the cost of living, housing and basic medical insurance and they are adjusted to the needs and living conditions in a particular country. Additionally, CEEPUS grantees do not pay tuition fees.

The national CEEPUS office of the host country organizes the payment of the monthly stipend, as well as all other benefits that grant-holders are entitled to, while the host higher education institution is in charge of realization of the program's educational goals.

More information can be found at <http://www.ceepus.info/> .