

West University of Timisoara

Faculty of Mathematics and Computer Science

European Computer Science

Artificial Intelligence and Distributed Computing
specialization
2018-2019





Timisoara

- Largest town in the western part of Romania (350000 inhabitants)
- First mentioned in 1212
- During centuries it was part of Roman, Hungarian, Turkish and Austro-Hungarian Empires (until 1919)
- Multi-cultural town (“unity in diversity”)
- Various architectural styles (“little Vienna”)
- Many parks and gardens (“city of flowers”)
- Cultural events (European cultural capital in 2021)



- Founded in 1944
- **11** faculties
- Around **14000** students
 - 10000 (first cycle)
 - 3500 (second cycle)
 - 500 (third cycle)
- 700 teachers
- 400 administrative staff
- around 300 Erasmus+ agreements

Faculty of Mathematics and Computer Science:

- two departments
- **1550** students
 - 1250 – first cycle (**1100** in CS)
 - 260 – second cycle (**200** in CS)
 - 40 – third cycle (**25** in CS)
- 56 teachers (**37** in CS) + around 40 associated teachers



Study Programs in Computer Science

First cycle

Applied Informatics

Computer Science

Computer Science
(in English)

ECS
specialization

Second cycle (Master programs)

Software Engineering

Artificial Intelligence
and Distributed
Computing (in RO and
in EN)

Bioinformatics

CyberSecurity

Big Data – Data
Science, Analytics and
Technologies

Third cycle (PhD)

Cloud & HPC
computing

Artificial Intelligence

Automated
Reasoning

Theoretical
Computer Science

Computational
Mathematics

ECS specialization - Artificial Intelligence and Distributed Computing

Third year study plan

Semester 1

Semester 2

Subject	ECTS	Subject	ECTS
Artificial Intelligence	5	Graphics and User Interfaces	5
Web Technologies	5	Numerical Methods	5
Differential Equations	5	Diploma Stage II	5
Diploma Stage I	3	Elective 3 (list B1)	5
Elective 1 (list A1)	5	Elective 4 (list B2)	5
Elective 2 (list A2)	5	Elective 5 (list B3)	5
Elective 3 (other faculty)	2		

List A1

1. Programming Environments
2. Distributed and Concurrent Programming
3. Software Systems Testing

List A2

1. Design Patterns
2. Information Theory

List B1

1. Security and cryptography
2. Cloud Computing and IoT

List B2

1. Network Administration
2. Intelligent Systems

List B3

1. Management Information Systems
2. Applications Development using .NET platform

ECS specialization - Artificial Intelligence and Distributed Computing

How to obtain the diploma?

- **Graduation Exam:** written test with 30 multiple choice questions and an integrated problem (several questions with short answers) covering topics from:
 - Discrete Structures and Algorithms, Programming Languages and Software Engineering, Computing Systems and Databases
- **MSc Thesis Defense**
 - Possibility to prepare a thesis in collaboration with an industrial partner

Other info

- **Accommodation:** Halls of residence (5 minutes walking distance) at a price of 25 euro/month
- **Student associations**
 - OSUT – Organization of Students from the West University of Timisoara (<http://osut.ro>)
 - ASSEUT – Organization of Students in Exact Sciences (<http://www.asseut.org/>)

West University of Timisoara:

<http://www.uvt.ro/en/>

Department of International Relations:

<http://www.ri.uvt.ro/en/>

UVT in images – virtual tour:

<http://www.turvirtual.uvt.ro/>

Facebook group:

<https://www.facebook.com/international.uvt>

Faculty of Mathematics and Computer Science:

<http://www.math.uvt.ro>

About Timisoara:

<http://www.romaniatourism.com/timisoara.html>

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