MSc in Computer Science

Title of the programme: Computer Science

Degree: MSc

Duration of the course: 4 semesters

Language of tuition: English

Description of the programme:

The aim of the program is to train Information Technology professionals who can perform the
development, creation, application, implementation, and operation of IT systems either individually
or as a team member at advanced level. Furthermore, it provides the cooperative and modelling
skills required to solve and research IT related problems, and ensures solid theoretical background to
pursue PhD studies.

The graduates are able to use problem solving techniques in the design and implementation of
enterprise resource planning systems; to apply state of the art modelling techniques; and to design,
implement, and operate decision support systems.

Main subjects: Advanced Programming, Graph Theory, Automata and Formal Languages, Application
of Linear Programming, Advanced Image Processing, Online Algorithms, Machine Learning, Advanced
Graphics Algorithms, Program Systems Development, Advanced Approximate and Symbolic
Computing, Logic and Functional Programming. Analysis, Game theory, Nonlinear Programming,
Data Mining, Image Registration, Embedded Systems, Parallel Programming, Software Development,
Computer Vision, Distributed Application Development, Network Science.

Detailed master degree program [1]

Application procedure:

Application deadline: 25th June 2018

Online application [2]

Application requirements: BSc degree (Computer Science or related), English language -
intermediate proficiency level (B2) (TOEFL or equivalent)

Application fee: 200 USD (non-refundable)
Entrance examination fee: 250 USD (only applicable if entrance examination is required)
Tuition fee: 3500 USD per semester

All fees have to be paid to the following bank account:

Account name: University of Szeged
Bank name: Hungarian State Treasury
Bank Address: HU-1054 Budapest, Hold utca 4.
IBAN: HU94-1000-4012-1000-8016-0022-0332
SWIFT code: MANEHUHB

IMPORTANT NOTICE: When transferring the fees, please, indicate the following number in the
message/comment box: 1901 1S575
All bank expenses have to be paid by the applicant.
Application requirements:

A. At least BSc degree in Computer Science or close equivalent.
   a. Copy of the BSc degree (notarized English translation).
   b. Official full transcripts of your Bachelor studies (notarized English translation).

Note that the applicant might be requested to send all the detailed course syllabuses.

B. English language.

The requested level of language knowledge is at least B2-intermediate according to the Common European Framework Reference. The certificate is preferably a state or international language exam (e.g.: TELC B2, ECL B2, TOEFL iBT test score of 72, or PBT score 550; ITP 543, Cambridge First Certificate "B"; IELTS score of at least 5.5)

C. Copy of the passport.

Relevant page(s) where passport number, name, photo and date of expiry are visible.

D. Recent medical certificate of satisfactory general health status

(not older than 1 month).

E. Up-to-date curriculum vitae (no longer than 2 pages).

Optionally, two recommendation letters from recognised academic persons.

F. An evidence of payment of 200 USD non-refundable application fee.

G. The applicant needs to have at least 60 credits from the following topics:
   a. mathematical and natural sciences rudiments (at least 15 credits): calculus, numerical analysis, discrete mathematics, linear algebra;
   b. computer science rudiments (15 credits): logics, design and analysis of algorithms, automata and formal languages, theory of computing, artificial intelligence basics;
   c. information technology rudiments (at least 30 credits): software technology, databases and information systems, computer architectures, computer networks;

H. Applicants with less than 60 credits, but at least 30 credits from the list given in G ) will be
   a. either requested to take a preparatory 0th semester during which all the missing courses can be taken,
   b. or requested to take extra lectures at the beginning of a semester to acquire the necessary knowledge.

Applicants with less than 30 credits from the list given in G ) cannot be accepted to the MSc program.

Admission score: max 100 points

- qualification of the diploma (max 20 points),
- grades of main (non-elected) bachelor courses which are listed in point G (max 50 points),
- oral (skype) interview (max 20 points),
- further extras: publication, participation in competitions, etc (max 10 points).

Only applicants obtaining at least 50 points can be accepted.
Detailed application procedure [3]

Address for the documents to be posted:
University of Szeged
Faculty of Science and Informatics
1 Aradi vértanúk tere,
H-6720 Szeged,
HUNGARY

Promotion materials:
University of Szeged, Institute of Informatics [4]
University of Szeged Student Recruitment Chinese Promo Film [5]

For further information please contact:
Tamás Vinkó
tvinko@inf.u-szeged.hu [6]

Source URL (retrieved on 2018-07-13 07:56):
http://www.inf.u-szeged.hu/en/future-students/academic-programs/msc-in-computer-science

Links:
[4] https://www.youtube.com/watch?v=TQGO8bOjQWw
[5] https://www.youtube.com/watch?v=CBs9aR0vbT4
[6] mailto:tvinko@inf.u-szeged.hu