TECHNION | The Henry and Marilyn Taub Faculty of Computer Science

The Henry and Marilyn Taub Faculty of Computer Science

Technion- Israel Institute of Technology

Graduate Studies Program Catalog
2026-2027

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1. Introduction

This booklet aims at guiding the students in The Faculty of Computer Science of computer science for the degrees of M.Sc. and All the rules in this booklet are subject to the regulations of the School of Graduate Studies, as listed in the studies catalog of the Technion. In case of differences between the Hebrew and English versions of this catalog, the Hebrew version shall apply.

The booklet lists the admission requirements and curriculum for M.Sc. and Ph.D. studies, the list of faculty members and their research areas, as well as division into research areas.

The graduate studies catalogue of The Faculty of Computer Science is also available on the Internet site of the Faculty: **graduate.cs.technion.ac.il/en/graduate-studies**. The site also includes detailed information (in Hebrew and English) on the Faculty, courses and syllabi, theses submitted in recent years, and other relevant information. It is also advisable to contact the Graduate Studies coordinator in the Faculty:
Anna Kleiner, in room 503, tel. 073-3784226, or by email: akleiner@cs.technion.ac.il

2. Study and Research Areas

The Faculty of Computer Science offers study programs for the degrees of “Master in Science in Computer Science", “Master in Science” and “Doctor of Philosophy”. Excellent students can apply for transfer to the Direct Ph.D. Track during their graduate studies.

The expertise and research areas of the Faculty are:

Theory of Computer Science:
Automata and Formal Languages
Coding
Complexity
Computational Geometry
Cryptology
Distributed Computing
Logic and Semantics
Theory of Algorithms

Systems:
Databases & Data Mining
Distributed & Parallel Systems
Hardware and Computer Architecture
Networks, Communication & Systems
Programming languages
Operating Systems & Virtualization
Software & Hardware verification
Software Engineering
Storage
System Security

Artificial Intelligence:
Learning
Reasoning

Intelligent Systems and Scientific Computation:
Geometric Modeling
Graphics
Image Processing and Computer Vision
Robotics and Complex Systems

Scientific Computation and Numerical Algorithms

Interdisciplinary Research:
Bioinformatics (Computer Science and Biology)
Computational Linguistics and Natural Language Processing
Quantum Information Processing (Computer Science, Electrical Engineering, Physics and Chemistry)
World Wide Web, Electronic Commerce, and Computational Finance

In addition to the theoretic research in these areas, the Faculty has research laboratories in the following areas:

Robotics
Computer Vision
Artificial Intelligence
Geometric Processing
Computer Graphics and Geometric Planning
Computer Communication Networks
Software Systems
Computer Systems
Natural Language Processing
Cyber and Computer Security
Learning and Reasoning
Data and Knowledge
Information Storage and Memories
Bioinformatics
Quantum Information Processing

3. M.Sc. Studies

The Faculty of Computer Science offers a study program for the degree of “Master of Science in Computer Science”. The studies are open for graduates of B.Sc. in Computer Science or other fields. The Faculty also offers a study program for the degree of “Master of Science” for graduates of B.Sc., which is not in computer science (such as Mathematics, Physics, and Electrical Engineering).

3.1 Admission Requirements

3.1.1 Admission Requirements for the Master in Computer Science Program

Students who have graduated with a B.Sc. degree in Computer Science, or in any of the joint tracks of Computer Science and other Faculties (e.g., Computer Engineering, Computer Science-Mathematics), may be admitted. Candidates who received their B.Sc. in another framework will be required to take supplementary courses as detailed below. Professional achievements of candidates with experience in industry or experience in research, as well as recommendation letters, will be taken into account by the Admissions Committee.

Candidates who wish to improve their academic standing towards admission may do so by taking courses as 'advanced studies'. For this, they have to meet the CS Vice Dean for Graduate Studies in order to decide what courses they should take, and set minimum acceptance grades for these courses.
The Faculty prefers internal students who receive a fellowship and who devote all their time to studies, research, and teaching.

A student who completed his B.Sc. in a recognized institute of higher learning in Israel with Computer Science as his major is not required to take supplementary courses.

Students who graduated from a college will be admitted according to the policy of the School of Graduate Studies, as stated from time to time. Furthermore, a graduate of a college may be admitted as a qualifying student, study 20 credits in this status, and must receive an average of at least 88. The subjects of study will be decided upon in coordination with the CS Vice Dean for Graduate Studies.

3.1.2 Admission Requirements for the Master of Science Program

Students who have graduated with a B.Sc. in scientific or engineering programs may be admitted. The student should secure a faculty member who will serve as an advisor. It is not obligatory to submit a research proposal upon admission. The study program for each student will be determined in coordination with the advisor and the CS Vice Dean for Graduate Studies, and will be approved by the Admissions Committee.

3.1.3 Admission Requirements for External Students

A student may also be admitted as an external student (that is, without receiving a fellowship). The following three rules apply in this case:

An external student for M.Sc. studies must be present in the Faculty at least two days a week, for at least one year.

The student has an excellent academic record, with a GPA substantially higher than the admission threshold. Such a student will commit to work outside the Faculty for at most three days a week (with the approval of the employer), and to work as a Teaching Assistant in the Faculty (regular load) if required to do so.

In case of a student with an exceptional academic record, the committee may consider admission even if the above conditions are not met.

3.2 Curriculum for the M.Sc. Program

During studies, the student should take a number of courses as described above, and perform research (with thesis or minor thesis) under the supervision of a faculty member. Students with a supplementary program should finish it as well. Course prerequisites are not imposed on graduate students, but students that take a course without its formal prerequisite, must understand that it is their own responsibility to obtain the knowledge necessary for understanding of the course material.

For the supervision of the research, the student should approach a faculty member in his field of interest. In special cases, and in coordination with, and with prior approval of the Graduate Studies Committee, the advisor may be an adjunct teacher or a member of another Faculty in the Technion. External students may neither choose adjuncts nor external faculty as advisors. The research project may be theoretical or involve advanced engineering. In special cases, there is an option of a 'minor thesis', in which case, eight additional credits are required.

Graduates of a B.Sc. degree in a four-year course must complete 40 points of study for the degree, of which 18 are in courses that will be devoted to specialization in the field of research, according to a plan to be determined in coordination with the supervisor, 2 points in the "Extended English" course and 20 credits in conducting a research work (thesis).

Graduates of a B.Sc. degree in electrical engineering and physics at the Faculty of Electrical and Computer Engineering must complete 38 study points for the degree, of which 16 are in courses that will be devoted to specialization in the field of research, according to a program that will be determined in coordination with the supervisor, 2 points in the "Extended English" course and 20 points in conducting research work (thesis).

3.2.1 Program for Graduates of a Three-Year Program B.Sc.

Students who graduated a three-year program are required to take courses worth 52 credits, of which 20 credits for thesis, 2 credits of “Extended English” course, 30 credits courses of which at least 24 are graduate courses or joint courses for undergraduate and graduate studies. The student must study at least six courses courses of the The Faculty of Computer Science from at least four different groups within the 11 groups of the optional courses (which are neither a project course, nor advanced topics, nor a seminar). Subjects listed in the following groups, with similar professions provided by the Faculty of Electrical Engineering. Listed undergraduate courses may be taken as long as the student does not pass the allowed number of undergraduate credit points. Excellent students can apply for transfer to the Direct Ph.D. Track during their graduate studies.

The remaining courses should be of courses that yield expertise in the proposed research topic, according to a program decided jointly with the student's advisor. The student may take up to three seminars and advanced topics courses before the approval of his research program.
The two following courses are obligatory. Students who did not study the courses:

02370267 Computer architecture
02370343 Theory of computation
in the framework of their B.Sc. studies are required to study them in the framework of the M.Sc. program (the credits will be counted).
At least 6 credits should be taken following the approval of the research proposal. Courses will be approved by the advisor or temporary advisor. It is possible to study up to six credits of undergraduate courses.

The group topics are as follows:

1. Computational Complexity		
02360011	Selected topics in Dynamic Graph Algorithms	3.0
02360306	Random graphs	2.0
02360309	Introduction to coding theory	3.0
02360313	Complexity theory	3.0
02360315	Algebraic methods in computer science	3.0
02360318	Boolean Function Analysis	2.0
02360359	Algorithms 2	3.0
02360374	Probabilistic methods and algorithms	3.0
02360377	Distributed Graph Algorithms	3.0
02360378	Principles of managing uncertain data	2.0
02360508	Cryptography and complexity	2.0
02360518	Communication complexity	2.0
02360521	Approximation algorithms	2.0
02360525	Introduction to network coding, bounds and construction	3.0
02360755	Distributed Algorithms	3.0
02360760	Computational learning theory	2.0
02360992	Quantum Algorithms	3.0

2. Algorithm Theory		
02360011	Selected topics in Dynamic Graph Algorithms	3.0
02360315	Algebraic methods in computer science	3.0
02360357	Distributed algorithms A	3.0
02360359	Algorithms 2	3.0
02360377	Distributed Graph Algorithms	3.0
02360521	Approximation algorithms	2.0
02360715	Methods in analysis of algorithms	3.0
02360719	Computational geometry	3.0
02360755	Distributed algorithms	3.0
02360760	Computational learning theory	2.0
02360779	Foundations of Algorithms for Massive Datasets	2.0
02380739	Discrete algorithmic geometry	2.0
02360992	Quantum Algorithms	3.0

3. Logic and its Applications		
02360025	Automata, logic and games	2.0
02360026	Knowledge and games in distributed systems	2.0
02360304	Logic for computer science 2	3.0
02360342	Introduction to software verification	3.0
02360345	Automatic verification of hardware and software systems	3.0
02360356	Introduction to database theory	3.0
02360378	Principles of managing uncertain data	2.0

4. Cryptology, Coding and Information		
02360309	Introduction to coding theory	3.0
02360350	Network security	3.0
02360379	Coding and algorithms for memories	3.0
02360500	Cryptanalysis	3.0

02360506	Modern cryptology	3.0
02360508	Cryptography and complexity	2.0
02360520	Coding for storage systems	2.0
02360525	Introduction to network coding, bounds and construction	3.0
02360990	Introduction to quantum information processing	3.0
02360992	Quantum Algorithms	3.0

5. Software System Development		
02360268	Constructive computer architecture	3.0
02360271	Android Development	2.0
02360278	Computational accelerators and accelerated systems	3.0
02360319	Programming languages	3.0
02360321	Software engineering methods	3.0
02360332	The internet of things (IoT) – technologies and implementations	2.0
02360342	Introduction to software verification	3.0
02360347	Software synthesis and automated reasoning	3.0
02360351	Distributed Systems	3.0
02360360	Theory of Compilation	3.0
02360363	Databases	3.0
02360369	Programing Web Systems	3.0
02360376	Operating systems engineering	4.0
02360490	Computer Security	3.0
02360491	Secure Programming	3.0
02360496	Reverse Engineering	3.0
02360700	Software design	3.0
02360703	Object-oriented programming	3.0
02360712	Agile software engineering	2.0
02360780	Algorithms for dynamic memory management	2.0

6. Distributed Systems and Communication Networks		
02360026	Knowledge and games in distributed systems	2.0
02360322	Information storage systems	3.0
02360334	Introduction to computer networks	3.0
02360341	Internet networking	3.0
02360350	Network Security	3.0
02360351	Distributed systems	3.0
02360357	Distributed algorithms A	3.0
02360369	Programing Web Systems	3.0
02360370	Concurrent and distributed programming for data processing and machine learning	3.0
02360377	Distributed Graph Algorithms	3.0
02360422	Advanced storage systems and technologies	3.0
02360490	Computer Security	3.0
02360510	Database management systems implementation	3.0
02360668	Advanced topics in blockchain and cryptocurrency protocols	2.0
02360700	Software design	3.0
02360755	Distributed algorithms	3.0

7. Computer Systems		
02360003	Selected topics on data management algorithms for decision making	2.0
02360022	Advanced Topics in Cloud Technologies	3.0
02360207	Advanced topics in adversarial attacks on deep learning models and cyber security systems	3.0
02360268	Constructive computer architecture	5.5
02360278	Computational accelerators and accelerated systems	3.0
02360322	Information storage systems	3.0
02360334	Introduction to computer networks	3.0

02360347	Software synthesis and automated reasoning	3.0
02360350	Network security	3.0
02360351	Distributed Systems	3.0
02360360	Theory of Compilation	3.0
02360363	Databases	3.0
02360369	Programing Web Systems	3.0
02360376	Operating systems engineering	4.0
02360379	Coding and algorithms for memories	3.0
02360422	Advanced storage systems and technologies	3.0
02360490	Computer Security	3.0
02360491	Secure Programming	3.0
02360496	Reverse Engineering	3.0
02360510	Database management systems implementation	3.0
02360700	Software design	3.0
02360703	Object-oriented programming	3.0
02360780	Algorithms for dynamic memory management	2.0

8. Computer Vision and Robotics		
02360004	Selected topics in Transformers and attention-based networks	3.0
02360006	Advanced Topics in AI and Robotics	3.0
02360201	Introduction to data processing and representation	3.0
02360330	Introduction to optimization	3.0
02360372	Bayesian networks	3.0
02360759	Diffusion models in deep learning	2.0
02360767	Algorithmic robot motion planning	3.0
02360770	AI and Robotics	3.0
02360777	Deep learnig and its applications	3.0
02360781	Deep learning on computation accelerators	3.0
02360860	Digital image processing	3.0
02360861	Geometric computer vision	3.0
02360862	Sparse representations and applications in signal and image processing	2.0
02360873	Computer vision	3.0
02360875	Visual recognition	3.0
02360927	Introduction to robotics	3.0
02380100	Reliability, Equity, and Reproducibility in Modern Machine Learning	2.0
02360790	Multi-grid methods	2.0
02380125	Numerical Algorithms M	3.0

9. Computational Geometry and Computer Graphics		
02360216	Computer graphics 1	3.0
02360324	Computer graphics 2	3.0
02360329	Digital geometry processing	3.0
02360373	Image synthesis	3.0
02360716	Geometric models in CAD systems	3.0
02360719	Computational geometry	3.0
02360759	Diffusion models in deep learning	2.0
02360861	Geometric computer vision	3.0
02380125	Numerical Algorithms M	3.0
02380739	Discrete algorithmic geometry	2.0

10. Machine Learning and Artificial Intelligence		
02360003	Selected topics on data management algorithms for decision making	2.0
02360004	Selected topics in transformers and attention-based networks	3.0
02360006	Advanced Topics in AI and Robotics	3.0
02360018	Selected topics on Sequential Decision Making and Reinforcement Learning	3.0
02360201	Introduction to data processing and representation	3.0
02360203	Advanced Topics in Collaborative Artificial Intelligence	3.0

02360207	Advanced topics in adversarial attacks on deep learning models and cyber security systems	3.0
02360299	Introduction to natural language processing	3.0
02360372	Bayesian networks	3.0
02360501	Introduction to artificial intelligence	3.0
02360667	Advanced Topics in machine learning and human behavior L+T	3.0
02360759	Diffusion models in deep learning	2.0
02360760	Computational learning theory	2.0
02360763	Deep learning and approximation theory	3.0
02360765	Planning and Reinforcement Learning in AI Systems	3.0
02360766	Introduction to machine learning	3.5
02360767	Algorithmic robot motion planning	3.0
02360770	AI and Robotics	3.0
02360777	Deep learnig and its applications	3.0
02360779	Foundations of Algorithms for Massive Datasets	2.0
02360781	Deep learning on computation accelerators	3.0
02360861	Geometric computer vision	3.0
02380100	Reliability, Equity, and Reproducibility in Modern Machine Learning	2.0
02380125	Numerical Algorithms M	3.0

11. Bioinformatics		
02360522	Algorithms in computational biology	3.0
02360523	Introduction to bioinformatics	2.5

3.2.2 Program for Graduates of a Four-Year B.Sc. Program

The student must complete 18 credits of graduate courses or joint courses for undergraduate and graduate studies, mostly in Computer Science courses or similar courses in the Faculty of Electrical Engineering courses. The courses will be chosen jointly with the advisor. The student is required to take at least two courses (six credits) after submitting a research proposal.

The two following courses are obligatory. Students who have not studied the courses:
237267 Computer architecture
237343 Theory of computation
in the framework of their B.Sc. studies are required to study them in the framework of the M.Sc. program.

3.2.3 Supplementary Program for Qualifying Students

A student pass the supplementary courses at the grade level which will be determined in advance as part of the supplementary program. A student may be exempted from taking a supplementary course if:

1 The student studied a similar, or a more advanced course, in the same field (possibly in another academic institution).
2. The student received an exemption from the teacher of the course .

A complete list of the supplementary courses will be compiled for each student at the time of his acceptance, according to the following list:

Mathematics Courses		
Number	Name	Credits
01040031	Infinitesimal calculus 1M	5.5
01040032	Infinitesimal calculus 2M	5.0
01040166	Algebra AM	5.5
	or	
01040134	Modern algebra H	2.5
00940412	Introduction to probability M	4.0

Computer Science Courses		
Number	Name	Credits

02340123	Operating systems	4.5
02340124	Introduction to systems programming	4.0
02340125	Numerical algorithms	3.0
02340129	Introduction to set theory and automata for CS	3.0
234141	Combinatorics for CS	3.0
234218	Data structures 1	3.0
234247	Algorithms 1	3.0
234292	Logic for CS	3.0

A student has to pass the supplementary courses with an average of 88, and each course with a minimum grade of 80. Students may register to these courses even if they did not take their prerequisites. Upon successful completion of the supplementary courses, the CS Vice-dean for graduate studies will approve the students transfer to the regular M.Sc. program (either for graduates of three-year or four-year B.Sc.).

4. Ph.d. Studies

4.1 Admission requirements

4.1.1 General

The prime goal of doctoral studies is the development of an independent research capability culminating in original research work. The student will prepare a detailed scientific thesis based on the research he conducted. The research must be innovative, advance the state of knowledge in the student's chosen research field, and be acceptable for publication in respectable scientific journals in the field.

4.1.2 Definition of Types of Students

A candidate who fulfills the formal admission requirements for studying towards a Ph.D. degree as set down by the School of Graduate Studies, or has almost completed his Master's degree and is interested in studying for a Ph.D. degree, shall contact (at any time) the committee for graduate studies in order to enroll.

A candidate may be admitted either as a 'qualifying student' or as a 'regular student'. The former status allows the candidate one semester in which he may fulfill the conditions for admission as a regular student, as explained in Clause 31.02 of the School of Graduate Studies Regulations.

A student must be internal for at least one year during his studies.

4.1.3 Request for Admission

A student applying for admission to doctoral studies will submit at least two letters of recommendation and two standard assessment forms to be provided by the faculty. One of the letters of recommendation should be written by the main supervisor (if there is more than one supervisor), and the other by a faculty member (not necessarily from the Technion), or by a senior researcher familiar with the research work. In order to be accepted for doctoral studies, you must contact a designated supervisor and submit a proposal for a research topic. The Graduate Committee of the Faculty will discuss the application for admission.

4.1.4 Admissions Committee

The admissions committee, composed of members of the Graduate Committee, will discuss the student's application and send the recommendation to the Graduate School.

4.1.5 Conditions of Admission

In order to be admitted as a regular student for a Ph.D. degree, the candidate must fulfill the following conditions:

- Comply with all the formal requirements of the School of Graduate Studies.
- Be admitted by the Graduate Studies Committee, and comply with the requirements of that committee.
- Comply with other requirements (e.g., in case of a change in the field of research) that the Graduate. Studies Committee may decide upon, while discussing the student's request.
- Be approved by the Dean of the School of Graduate Studies.

A candidate who does not comply with the first condition may be accepted as a qualifying student for a period of one semester. During this time he must fulfill all the requirements which will allow a change of status to that of a regular student.

4.1.6 Direct Studies

Outstanding students, studying for a master's degree, can move on to a direct course of study towards a doctorate. If the conditions for such a transfer have been met (according to section 24.07 in the regulations of the School of Graduate Studies), the student will submit an application to the Graduate Studies Committee of the Faculty. The application should include two standard assessment forms to be provided by the faculty and at least two letters of recommendation to be sent directly to the Graduate Studies Coordinator. One of the letters should be written by the supervisor (the principal, if there is more than one supervisor), and the other by a faculty member (not necessarily from the Technion), or another senior researcher familiar with the research paper. If no articles have been accepted yet for publication, an article submitted or prepared for submission is required. In this case, three letters of recommendation are required from experts in the field (of which at least one is independent of the supervisor), relating to the level of the article that has not yet been published and the likelihood of its being accepted for publication.
A CS department **mandatory requirment** is being an **internal student for at least one year** (100% dedication to research, receiving a scholarship, and not working outside the department). This requirment should be fulfilled **after** the transfer to the direct doctoral track.

4.2 Research

4.2.1 General

The prime goal of doctoral studies is the development of an independent research capability culminating in original research work. The student will prepare a detailed scientific thesis based on the research he conducted. The research must be innovative, advance the state of knowledge in the student's chosen research field, and be acceptable for publication in respectable scientific journals in the field.

4.2.2 Advisor and Research Topic

Generally, the candidate must register for doctoral studies after coordinating a supervision with a faculty member and defining a research topic. In exceptional cases, registration will be possible without a supervisor and research topic, and the student will be given an extension of one semester from the beginning of the doctoral studies. An external student is not allowed to choose an adjunct teacher as an advisor.

4.2.3 Candidacy Exam

Towards the end of the first year, the student has to submit a research plan describing his up-to-date achievements and his plans for the continuation of his research. This plan has to be approved by the advisor and the Graduate Studies Committee, and serves as a basis for the candidacy exam.

4.3 Studies

4.3.1 Studies Credits

As of 2025 winter semester, courses requirements for Ph.D. students at the Faculty are:

1. At least 14 credits of graduate computer science courses (or joint courses for undergraduate and graduate studies), of which 2 credits in the required course “Academic Writing for Doctoral Students”.
2. Ph.D. Direct Track students will be required to obtain eight credits in addition to their M.Sc. Studies sum of credits, of which 2 credits in the required course “Academic Writing for Doctoral Students”.

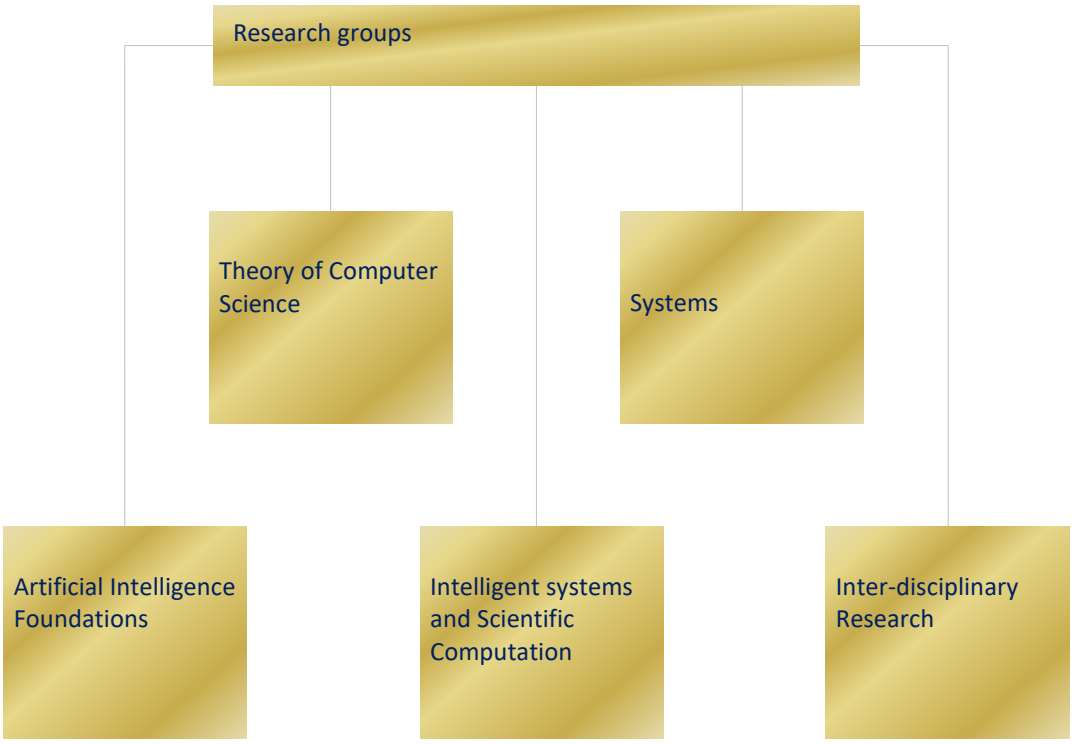
4.3.2 Supplementary Courses

Candidates for a Ph.D., whose previous degrees are not in Computer Science, will be required to take supplementary courses, selected from the obligatory courses in the three-year program for B.Sc.

A candidate may be exempted from the above-mentioned courses if:
- The student has already successfully completed equivalent courses.
- The courses were prerequisites for advanced courses that he has already completed.

The Graduate Studies Committee will determine, on a case-by-case basis, the supplementary courses, as well as the number of graduate credits the student has to complete (4–24). These courses will be selected in coordination with the student's advisor.

5. Research Groups structure



Theory of Computer Science

Automata and Formal Languages:
N. Francez
O. Grumberg
M. Kaminski
B. Kimelfeld
A. Paz

Coding:
E. Yaakobi
T. Etzion
R. Roth
G. Yadgar

Complexity:
R. Bar-Yehuda
N. Bshouty
Y. Filmus
E. Fischer
Y. Ishai
M. Kaminski
E. Kushilevitz

Computationl Geometry:
R. Bar-Yehuda
G. Barequet

Cryptology:
E. Biham
Y. Ishai
E. Kushilevitz

Database Theory Algorithms:
B. Kimelfeld
O. Shmueli

Distributed Computing:
H. Attiya
N. Ben-David
K. Censor-Hillel
R. Friedman
E. Petrank
A. Schuster
S. Zaks

Human-Computer Interaction:
H. Peleg

Logic and Semantics:
N. Francez
O. Grumberg
M. Kaminski
S. Katz
B. Kimelfeld
J. Makowsky
E. Yahav
Y. Vizel

Theory of Algorithms:
R. Bar-Yehuda
G. Barequet
N. Ben-David
K. Censor-Hillel
E. Fischer
A. Itai
S. Moran
J. Naor

Systems

Databases and Data Mining:
N. Ben-David
J. Gil
B. Kimelfeld
A. Schuster
O. Shmueli
B. Youngmann

Distributed & Parallel Systems:
N. Amit
H. Attiya
Y. Etsion
R. Friedman
E. Petrank
A. Schuster
D. Tsafrir
G. Yadgar

Hardware & Computer Architecture:
N. Amit
Y. Etsion
Z. Kohavi
A. Litman
A. Mendelson
T. Mor
Y.Vizel

Networks, Communication & Systems:
R. Cohen
A. Litman
D. Raz
R. Roth
O. Rottenstreich
S. Zaks

Operating Systems & Virtualization
N. Amit
Y. Etsion
A. Mendelson
A. Schuster
D. Tsafrir
G. Yadgar

Programming Languages:
J. Gil
S. Itzhaky
H. Peleg
E. Petrank
D. Tasfrir
E. Yahav

Software & Hardware Verification:
O. Grumberg
M. Heymann
S. Katz
Y.Vizel
E. Yahav

Software Engineering:
J. Gil
R. Friedman
S. Itzhaky
E. Kantorowitz
S. Katz
H. Peleg

Storage:
Y. Kanza
E. Petrank
A. Schuster
D. Tsafrir
E. Yaakobi
E. Yahav
G. Yadgar

System Security:
N. Amit
E. Biham
D. Tsafrir
E. Yahav

Artificial Intelligence Foundations

Machine Learning:
Y. Baram
Y. Belinkov
A. Bronstein
N. Bshouty
A. Itai
R. El- Yaniv
M. Elad
D. Geiger
R. Kimmel
O. Litany
S. Markovitch
K. Radinsky
Y. Romano

Neural Networks & Deep Learning:
Y. Belinkov
R. El- Yaniv
M. Elad

Y. Baram
A. Bronstein
O. Litany
A. Mendelson
R. Kimmel

Logical and Probabilistic Reasoning:
D. Geiger

M. Kaminski
S. Keren

Intelligent systems and Scientific Computation

Geometric Modeling:
A. Bronstein
A. Bruckstein
G. Barequet
M. Ben-Chen
G. Elber

Robotics & Complex Systems:
A. Bruckstein
M. Heymann
S. Keren
E. Rivlin

Graphics:
A. Bronstein
M. Ben-Chen
G. Elber
R. Kimmel

Scientific Computation & Numerical Algorithms:
A. Bronstein
M. Elad
R. Kimmel
Y. Romano

A. Sidi

Image Processing & Computer Vision:
A. Bronstein
A. Bruckstein
M. Elad
R. Kimmel
M. Lindenbaum
O. Litany
Y. Romano
E. Rivlin

Biological Computation:
Y. Baram

Interdisciplinary Research

Bioinformatics:
D. Geiger
S. Moran
R. Pinter
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Computational Linguistics & Natural Language Processing:
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