



JERUSALEM COLLEGE OF TECHNOLOGY
Machon Lev • Machon Naveh • Machon Tal • Machon Lustig



Admissions Guide



Machon Lev/Machon Naveh Campus

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Compilation and editing of material: Sara L. Baime

The Jerusalem College of Technology (JCT) is entitled to cancel, change, or add details to this publication, without prior notification.

The Jerusalem College of Technology reserves the right to make, and is not responsible for, any changes made before the start of the academic school year or during the year, which may impact some or all of the students. The Jerusalem College of Technology also reserves the right to cancel all or part of its services, programs, courses and areas of study in certain circumstances. Such decisions do not represent a failure by the Jerusalem College of Technology to fulfill its responsibilities.

For convenience this guide is written in the male gender but in most cases applies equally to males and females unless specified otherwise.

All monetary references in this volume refer to prices effective in the 2006-2007 academic year and may change in future years. Correct figures can be found in the Hebrew edition of the Application Guide or Student Handbook published each year by JCT.

Dear Applicant,

Congratulations on your decision to enroll at the **Jerusalem College of Technology**, an institution that integrates Torah education with higher academic learning.

The goal of the **Jerusalem College of Technology** is to train and equip **engineers** to participate in the development, establishment, and expansion of the high-tech industry in Israel. Furthermore, the institution will prepare and educate **managers** who will play a role in improving the status and efficiency of factories, banks and corporations. JCT training encourages the high ethical standards characterized by Torah Jews.

This publication describes the study options at the Jerusalem College of Technology as well as the admission requirements and procedures.

We are happy to assist you during the admissions process and beyond, and we will try to respond to any questions or concerns you have in a timely manner.

With blessings for strong Torah study,

Eli Shalman

Assistant Executive Director

Director, Department of Student Affairs



The Lewis Technological Library at Machon Lev

Jerusalem College of Technology Established in 1969
An institution for academic learning certified by Israel's Council for Higher Education

Faculties and Degrees

Engineering, Science and Technology:

- **Applied Physics/Electro-Optical Engineering**
Bachelor of Science
Eligible for registering in the Architects' and Engineers' Registry
- **Applied Physics/Medical Engineering**
Bachelor of Science
Eligible for registering in the Architects' and Engineers' Registry
- **Biochemistry/Computer Science-Computational Chemistry**
Bachelor of Science
- **Communication Systems Engineering**
Bachelor of Science
Eligible for registering in the Architects' and Engineers' Registry
- **Computer Science**
Bachelor of Science
- **Computer Software Engineering**
Bachelor of Science
Eligible for registering in the Architects' and Engineers' Registry
- **Electronic Engineering**
Bachelor of Science
Eligible for registering in the Architects' and Engineers' Registry
- **Industrial Engineering and Management**
Bachelor of Science
Eligible for registering in the Architects' and Engineers' Registry

School of Nursing:

- **Registered Professional Nursing**
Bachelor of Science in Nursing*

Business Management:

- **Accounting and Information Systems**
Bachelor of Accounting and Information Systems
- **Technology Management & Marketing**
Bachelor of Technology Management & Marketing

Education:

- **Science and Technology Teaching**
Teaching certificate for teaching science and technology subjects in high schools.
This certification is supplemental to the Bachelor's Degree acquired by the student in his major field of study.

* Pending final approval of Council of Higher Education

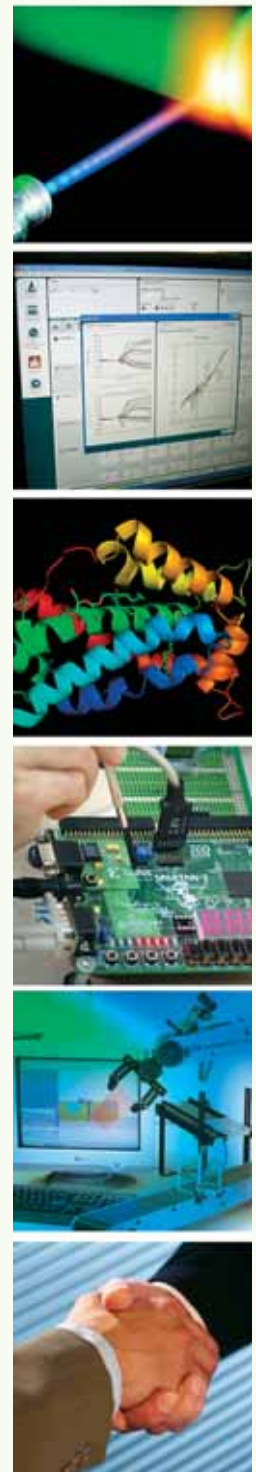


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Low Building of Physics
at Machon Lev

Jerusalem College of Technology

“How beautiful is the study of Torah when combined with a worldly occupation”

(יפה תלמוד תורה עם דרך ארץ) (אבות ב', ג)

The Jerusalem College of Technology (JCT) offers academic and practical studies at the university level within a Torah environment. JCT is fully recognized by the Israel Council of Higher Education, and its graduates receive a Bachelors Degree.

The idealistic founders of the college, led by Professor Ze'ev Lev (z"l), undertook three goals when they established JCT:

- To educate students who see the synthesis of Jewish values and a profession as their way of life.
- To provide the State of Israel with manpower for the country's developing high-tech industry who could also establish industries on their own.
- To produce strongly committed industrial leaders who are dedicated to a Jewish way of life, guided by their religious principles in both their personal and professional lives.

Since its establishment in 1969, the Jerusalem College of Technology has filled a central role in raising scientific, technological, and industrial standards in the State of Israel, and at the same time setting ethical standards that guide and characterize its students and graduates.

The Jerusalem College of Technology is comprised of **four institutes** each with degrees and academic study programs of equal standing while maintaining separate campuses for men and women in accordance with Jewish tradition:

- **Machon Lev** – in Jerusalem, for men, combines academic studies with Torah study at a Yeshiva Gevocha level.
- **Machon Naveh** – in Jerusalem, academic studies for men with a strong Yeshiva background.
- **Machon Tal** – in Jerusalem, academic studies for women, with Judaic Studies in a Midrasha.
Da'at is a special program at Machon Tal for young Charedi women, who wish to pursue academic and religious studies in a Bais Yaakov environment.
- **Machon Lustig** – in Ramat Gan, provides academic studies for Bais Yaakov graduates together with Seminary studies.

Academic Faculty

Members of the secular academic faculty are Torah observant with strong academic and research backgrounds. Some of them have academic backgrounds from renowned institutions abroad and most have doctorate degrees. The college strives to the high standards of its faculty, and encourages research and development, on-going relationships with industry, and staying up-to-date with scientific and technological inventions.

JCT's Graduates

Since 1969, the year Jerusalem College of Technology was established, thousands of students have completed their studies in the various disciplines. Close to 95% of the graduates have remained in Israel and played a central role in the prosperity of the country's high-tech industries, where many now serve in senior level positions. Graduates of the Jerusalem College of Technology are leaders in their professions and experts in their fields, offering significant contributions to the growth and success of the companies in which they work.

Graduates of JCT work today in leading companies in various industries:

- In the software, engineering and computer departments of companies such as Intel, IBM, and Israel Aircraft Industries;
- Developing communications systems for military and civilian use in Telrad, Tadiran, ECI, and Elbit;
- Developing electro-optic and electronic systems at Elta, El-Op, Orbotek, Bezeq, Motorola, Scitex, for the police force and all branches of the Israel Defense Forces (IDF);
- Working in the medical engineering field, where they are the initiators of many start-up companies;
- JCT's industrial management graduates are accountants, comptrollers, financial directors, and senior level executives in banking and industry;
- Some of our business management and technological marketing graduates are employed as advisors in international companies such as Ernst & Young, Merrill Lynch, and in high-tech companies in Israel and around the world.

In the Jerusalem area alone, 30 start-up companies have been founded by graduates of JCT.

Many of our graduates continue their studies towards masters degrees and doctorates at universities in Israel and abroad.

Research Centers at the Jerusalem College of Technology:

- The Phyllis and David Sugar Laboratory for Thin Films and Solar Energy
- The Ira Kukin Center for Medical Image Processing and Analysis
- The Center for Business Ethics and Social Responsibility
- The Nebenzahl Center for Human Safety and Accident Prevention
- The Mark Schuman Center for Innovation
- The Schloss Center for Communication Sciences
- The Graham Center for the Development of Medical Technology
- The Laboratory for Teaching and Researching of Simulation and Virtual Reality



Chemistry Lab at Machon Lev



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HaRav Natan S. Bar Chaim, Rosh Beit Medrash Machon Lev

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In the Beit Medrash at Machon Lev

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Mr. Chaim Bash, Assistant Executive Director; Comptroller and
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Mr. David Cassel, Director, Business Management and Technology Marketing Faculty,
Machon Lev/Naveh

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Dr. Haim Dayan, Chair, Computer Science Department

Dr. Yoram Devary, Chair, Biochemistry Department, Computer Science-
Computational Chemistry Faculty

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Dr. Aryeh Teitelbaum, Director, Computer Science Faculty, Machon Lev/Naveh

Mr. Zvi Weinberger, Chair, Applied Physics Department



*Prof. Hertzl Patal, Chair,
Accounting & Information
Systems Dept.*

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Mrs. Dina Bryskman, Admissions Office, Machon Lustig

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Mrs. Linda Derovan, Director, English Speakers' Program, Machon Tal

Mrs. Emuna Fruchtman, Director, Dormitories, Machon Tal

HaRav Chaim Elishevitz, Coordinator, Programs for Younger Students, Machon Lev

HaRav Yehoshua Geller, Assistant Director, English Speakers' Program, Machon Lev

Mr. Eyal Gvili, Director of Student Welfare and Dean of Students,
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Machon Tal

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Mrs. Vardit Markowitz, Registrar

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Machon Tal

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Mrs. Sarah Rosenfeld, Coordinator of Exams, Machon Lustig

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HaRav Michael Sultan, Dean of Students

Mr. Manny Teilo, Director, Dormitories, Machon Lev

Mr. Yisrael Tkach, Director, Programs for Students from Abroad

Mrs. Ruti Yoel, Registrar, Machon Lustig



Machon Lev Students

Machon Lev

Academic Studies Combined with Torah Studies

Machon Lev is an academic institution for men, and its vision is to enable students, upon graduation, to enter industry and contribute to science and technology in Israel with high ethical Jewish standards. With this in mind, the Beit Medrash was built alongside the academic buildings and the students are able to combine their Torah studies in the framework of a Yeshiva Gavoha, with academic studies towards a Bachelor's Degree in Engineering or Management.

Machon Lev serves the entire spectrum of the religious community in Israel and around the world. Our students include graduates of Hesder Yeshivot and Yeshivot Gevohot, IDF veterans, graduates of military high schools, public high schools and yeshiva high schools, Charedi schools, tourists and new immigrants.

Beit Medrash

Rosh HaYeshiva: HaRav Zalman Nechemia Goldberg

Rosh Beit HaMedrash: HaRav Natan S. Bar Chaim

Rabbinical Faculty

HaRav Menachem Akerman	HaRav Eliyahu Friedman
HaRav Daniel Behar	HaRav Eliezer Galinsky
HaRav Amnon Chedri	HaRav Yaakov Goldberg
HaRav Emmanuel Elalouf	HaRav Eli Peretz
HaRav Eliezer Elbaum	HaRav Yosef Reisner
HaRav Kalman Feder	HaRav Yehuda Zoldan
HaRav Moshe Foroutan	

The Beit Medrash aspires to create unique Bnei Torah who draw their inspiration from the wellsprings of Torah, and develop within themselves the depth of Torah and the academic excellence that will enable them to utilize all their talents and influence all aspects of life in Israel.

Our Beit Medrash is structured like a Yeshiva and has various study programs to suit the background and ability of each individual student. The Beit Medrash encourages its students to grow in Torah and spirituality through their strong personal relationship with the faculty Rabbis.

Students can undertake additional Torah learning sessions beyond the compulsory requirements. The students of all the academic majors learn together in the Beit Medrash, and the learning is done in a fashion similar to that of a Yeshiva Gevoha, including individual learning sessions, chavruta study, and group shiurim.

Judaic studies begin in the morning with Shacharis at 7:00 a.m., and end at 12:45 p.m. Many of the groups start their learning sessions with a shiur on Halacha and Hashkafa, and end with a shiur on the Masechet that they are learning. Students are placed in shiurim according to their level of knowledge while taking into consideration the student's personal study preferences.

Teaching Staff of the Beit Medrash

The Rabbis and Judaic Studies faculty at Machon Lev are renowned Talmidei Chachamim, educators with broad knowledge and big hearts, who see their responsibility as raising students to love Hashem and to personally carry out the great ideals that JCT promotes. Almost half of the Rabbis are graduates of Machon Lev.



*The Aron Kodesh in
Machon Lev's Beit Medrash*



Beit Medrash at Machon Lev

Topics of Study

● **Gemara – Talmud**

Tractates of practical daily applications are prioritized. In Elul, students learn about the Chagim, such as Perek Yom Kippur in Yoma, or a chapter in Masechet Sukkah or Rosh Hashana. Throughout the year a masechta from Seder Nezikin (for example: Baba Metzia, Makot or Sanhedrin) or Seder Moed (Shabbat or Pesachim) is studied. In these masechtot, chapters with practical application to every day life are studied. Most of the shiurim are in-depth, enabling the students to develop skills for studying by themselves complex sections of Shas, and to become familiar with the early and late commentaries. There is also a group that studies B'kiyut in an organized fashion.

● **Halacha – Jewish Law**

There are several groups of students that study Halacha by focusing on the Tur and the Shulchan Aruch and their respective commentaries, with an emphasis on the sources of the Shulchan Aruch. Similarly, time is designated for the study of Jewish Law relating to practical issues. According to demand, groups organize to learn Orach Chayim Hilchot Shabbat, and Hilchot Melicha, Ta'arovot, and Niddah in Yoreh Deah. These groups are organized specially for the graduates of Yeshivot Hesder and other Yeshivot Gevohot. They place a great emphasis on the relationship with the Sugyot HaShas, and also on questions of practical Halacha.

In the framework of the Halacha course, there are groups that learn according to the Semicha program of the Israeli Chief Rabbinate at Heichal Shlomo. The students select the exams they wish to take and receive guidance and assistance from the Rabbis in the Beit Medrash. During their four years of study in the Beit Medrash, the students manage to learn the majority of the topics necessary for these tests. Students who began this course in a different Yeshiva, have the option to continue with the assistance of JCT's Rabbis.

All the students are offered shiurim in practical aspects of Hilchot Shabbat, Kashrut, Taharat Hamishpacha (specifically for engaged and married students), and various shiurim to help them answer practical questions they may face in the army and throughout life.

● **Tanach, Jewish Thought and Emuna**

There are shiurim in Tanach, Torah commentaries, Mussar, and Jewish Thought, to discuss philosophy and various practical questions. Similarly, there are shiurim on the writings of the Rambam, Ramban, HaRav Yehuda Halevi, Maharal, Ramchal, HaRav Kook and leaders of Chassidut. The laws and customs of holidays are taught in accordance with the Jewish calendar.

Study Groups

The studies in the Beit Medrash are divided into 3 tracks, appropriate to the differing backgrounds of the students:

● **Students from Yeshivot Gevohot and Hesder**

These students form groups that learn Sugyot B'iyun, B'kiyut, or Halacha.

Sugyot B'iyun:

In depth study of the sugyot is done using source sheets distributed regularly by the Rav who teaches the group. The focus is on specific issues in the sugyot, according to the teachings of the Rishonim and Achronim. Students are encouraged to develop their own independent study of the main issues in each sugya, and their impact on practical applications of the Halacha.

This group meets formally 2-3 times a week.

B'kiyut:

In order to gain broad knowledge in Talmud, tractates are studied in B'kiyut or according to the Daf Yomi schedule. A pre-determined amount of material must be covered. This group participates in daily classes.

Halacha – Jewish Law:

In depth study of the Shulchan Aruch, Yoreh Deah and Orach Chaim (Shabbat). Source and reference pages are distributed by the Rav. There is a set amount of learning defined including the basics of Halacha in Shas, as well as practical questions as discussed in the responsa of the great scholars throughout the generations.

This group meets formally 2-3 times a week.

Studies in Tanach, Emuna and Halacha:

Each student may choose to participate in courses in Tanach, Emuna and Halacha. Some of these courses are taught by the regular Rav of the group while others are offered by other Rabbanim.

● **Army deferred students and IDF veterans, graduates of Yeshiva High Schools**

During the first two years of study, these students concentrate on learning Talmud and commentaries in daily shiurim with a Rav. The goal of Gemara studies is to nurture the skills required to deal with a page of Gemara and issues in Shas. In addition students participate in classes in Tanach, Machshava, Parshat HaShavua, and topics dealing with Jewish law as it impacts every day life.

After the first two years, students choose from the study frameworks described above: Sugyot B'iyun or Halacha. Some students join B'kiyut study groups with concentrated studies in Emuna and Machshava. In general, most of the time is devoted to learning with a study partner.

● **New Immigrants and Israeli students with limited Judaic Studies background**

During the first two years of studies, lessons take place in a classroom setting. Studies include: Chumash and commentaries, Tanach and commentaries, books of tenets of faith such as: Ethics of the Fathers, Kuzari, the writings of the Ramchal, Harav Kook, Chasidut and Halacha Le'Maaseh according to the Jewish calendar (holidays), Mishnah, and a small amount of Gemara.

After the first two years, as students progress in their learning, they may join the more advanced learning groups in the Beit Medrash, as described above, each one according to his level.



Learning in the Beit Medrash

For students with limited background in Judaic studies formal classes are offered in a broad range of subjects to provide students with exposure to many topics.

A Challenging Program

The various study programs described above are very challenging. From our experience many students would like to undertake this difficult program, but extenuating circumstances such as marriage and livelihood take priority. In order to assist, a Machon Lev student who fulfills one of the following criteria, if he so desires, may be excused from studies in the Beit Medrash:

- A fourth year student who has completed mandatory Army duty and whose program includes less than 12 credits per semester.
- A fourth year student who is married.
- A third year student who is a graduate of a Hesder Yeshiva and is married.
- A graduate of JCT's academic preparatory program with 8 credits in Judaic Studies.

A Machon Lev student who receives an exemption from Beit Medrash studies will be eligible for stipends and scholarships according to the criteria of Machon Naveh.

Housing Facilities

Machon Lev offers dormitory facilities and services to students. It is recommended that unmarried students reside in the dorms, in an environment of Torah, to ensure participation in the morning Tefilot, which is immediately followed by a class in Halacha led by one of the Rabbis .

All residents of the dormitory are required to act in accordance with JCT bylaws, which are publicized annually in the Student Handbook, and which students must sign before moving into the dormitory.

Criteria for Dormitory Residence

The demand for dormitory residence is greater than the space available, therefore, students should submit their application early, with a security deposit, to increase their chance of obtaining a place in the dorm. The dormitory management will endeavor to respond to the many requests, but unfortunately not everyone will get a room.

Priority will be given to those who:

- Accept upon themselves the rules and regulations of the dorms
- Are enrolled in full-time program
- Apply early (first come, first served)
- Reside outside of Jerusalem (Jerusalem residents can apply and will be placed on a waiting list)

Students whose acceptance is dependent on their success in Elul studies can register for the dorm. Approval of dormitory allotment will be determined only after their final acceptance to the college and upon determination that they are eligible for the dorm.

Unfortunately we do not have residence facilities for married couples on campus.

Dormitory Fees

Dormitory fees range between NIS 3,900 and NIS 6,300 annually, depending on the specifications of the room and the number of students in each room.

Specific details with regards to the dormitory facilities and registration procedure are included in the Student Handbook sent with the letter of acceptance.



*Machon Lev/Naveh
Campus at night*

Washing Machines and Clothes Dryers

Coin-operated washing machines and dryers are available in the dormitories, for self-service use at a low cost.

Additional Facilities and Services Available on the Machon Lev Campus

Laboratories

To assist students in their academic studies, the laboratories are open until late at night for the use of all students.

Libraries

Two libraries are located on campus to assist the students in their studies – the Meyer Lewis Technological Library is located in the Weiler Academic Building and the Lewis Lockshin Judaic Library is located in the Brause Educational Center which houses the Beit Medrash. In addition to books, the technological library is equipped with computers for internet access. Wireless capabilities allow students to use their own laptops as well. Small rooms in the library allow for group study. The Judaic Library provides computer access to vast halachic resources.

Dining Hall

The dining hall on campus is operated by a private company and offers three meals a day. A number of meal plan options are available and payments are made directly to the company.

Further information concerning the dining hall and meal plans is available directly from the manager of the dining hall, Zamir at Tel. 972-2-675-1017.

Snack Bars and Vending Machines

Two snack bars offer a choice of a meat menu or a dairy menu.

Food vending machines are located around the campus providing sandwiches, snacks and hot or cold drinks.

Health Club Facilities

For the welfare of our students, a fully equipped exercise room is available on campus. There is a minimal entry fee and hours of operation are posted on the campus bulletin board. Medical clearance is required for all students who wish to use these facilities.

Parking

Parking lots are provided near the entrance of the campus, offering free parking for students. Students wishing to use these facilities must obtain a parking permit from JCT and park only in areas designated for students.



Dormitory Facilities at Machon Lev

Machon Naveh

Academic Studies for Men with a Strong Yeshiva Background

In 1999-2000, the Jerusalem College of Technology established Machon Naveh, a program of academic studies for individuals with a strong Torah background. Machon Naveh was designed for graduates of Torah institutions and programs who are seeking higher education in a Torah environment that will lead to a profession. The morning hours may be used for the study of Torah at any Yeshiva of the student's choosing or for employment. Academic studies are available during the afternoon and evening hours providing flexibility for individualized scheduling.

Machon Naveh has earned a reputation among Israel's institutions of higher education because of the benefits it offers for its special student body:

- Academic studies in the afternoon and/or evening
- Studies on an all-male campus, in a Torah environment, among supportive peers in friendly and familiar surroundings.
- High standards of teaching and quality faculty, equal to that of Machon Lev.
- Degrees bestowed by the Jerusalem College of Technology, on par with all other JCT programs and recognized by Israel's Council for Higher Education.

All the academic degrees offered at Machon Lev are also available to the students of Machon Naveh. Machon Naveh is housed on the same campus as Machon Lev, in pleasant buildings situated between Bayit Vegan and Givat Mordechai in Jerusalem.

Academic studies at Machon Lev and Machon Naveh take place between 2:30-10:15 pm. Generally Machon Lev students study in the afternoon and early evening while Machon Naveh students study in the evening. Each year the class schedule is determined in accordance with the number of students registered in each department. JCT may decide to unite the studies of all students to either afternoon or evening hours only, at its discretion.

All the "Additional Facilities and Services Available on the Machon Lev Campus" described on page 17 are also available to Machon Naveh students.



Machon Naveh student in the Library

Machon Tal

Academic Studies for Women Combined with Midrasha Studies

Machon Tal was established in 1998 as an academic institute for women to parallel Machon Lev. In addition to academic studies, students at Machon Tal learn Judaic Studies in a Midrasha.

Machon Tal is fully recognized by Israel's Council of Higher Education and awards Bachelor's Degrees equivalent to those of Machon Lev.

Machon Tal was established with the following goals in mind:

- To train religious engineers and managers who would join the elite hi-tech industry and management firms in Israel.
- To enable women interested in employment as teachers to earn a Teaching Diploma as well as a Bachelor's Degree.

Students at Machon Tal come from the broad spectrum of religious women in Israel and from abroad. Israeli students who have graduated from religious high schools, ulpanot, seminaries and midrashot study alongside new immigrants and tourists to Israel.

Midreshet Ma'amakim – Judaic Studies at Machon Tal

Rosh Midrasha: HaRav Chaim Levik

Faculty

Rabbanit Yael Amit

HaRav Shmuel Ben Shitrit

HaRav Yehuda Ben Yishai

Prof. Yosef Bodenheimer

HaRav Yosef Daniel

Rabbanit Ofrat Elalouf

Rabbanit Sara Eliasaf

HaRav Mordechai Entabbi

HaRav Ofer Erez

HaRav Michael Feder

Rabbanit Adina Feuerman

HaRav Yitzchak Yaakov Fuchs

Rabbanit Bracha Hendler

Rabbanit Idit Itzkovitz

HaRav Amos Klieger

HaRav Gidon Krotheimer

Rabbanit Simonne Lachman

HaRav Chaim Levik

Rabbanit Esther Lior

HaRav Chagai Luber

HaRav Menachem Makover

Rabbanit Na'amah Maor

HaRav Doron Moshkovitz

Rabbanit Ahuva Nissan

Rabbanit Tal Rachmani

Rabbanit Bat-Sheva Roth

HaRav Chaim David Serachik

HaRav Sharon Shalom

HaRav Yaakov Shimon

Rabbanit Chava Shmilovitz

HaRav Uri Shreki

HaRav Daniel Stavsky

HaRav Eran Tamir

HaRav Michi Yosefi

Rabbanit Ahuva Zuckerman



In the Machon Tal Library

The Beit Medrash is the greenhouse for the spirituality of every Jew. Emunah, belief, is strengthened through the Jewish and secular studies which are really intertwined. Every student who learns at Machon Tal is obliged to join the learning in the Midrasha, and benefits enormously from these studies as they strengthen and develop their spiritual being.

Programs of Study

Regular Program:

All students at Machon Tal are obligated to spend a specific number of hours in Judaic studies. The chart below indicates the number of hours according to the year of study and status of the students.

Year of Study	Number of Study Hours Per Week	
	Single Students	Mothers
First Year	10	6
Second Year	10	4
Third Year	6	4
Fourth Year	2	---

Optional Program:

The optional part of the Midrasha program is designed for students who are interested in broadening their horizons in Jewish studies above and beyond the required number of credits. A student who is interested in this program must register in advance. Participants in this program qualify for special financial grants.

Guidance

HaRav Chaim Levik and the staff of Rabbis and Rabbaniot in the Midrasha are available to students for counseling on all topics, including halacha, questions of faith, direction in Jewish studies, educational questions, and personal issues.

The Midrasha

The Midrasha aspires to become a center of spirituality for all women who seek to expand their Torah knowledge. A Midrasha for intensive Jewish studies has opened, with morning and afternoon studies, that offers a classic Midrasha ambience.

In the Small Midrasha, students spend most of their time on Jewish studies, but they can also enroll in a number of academic courses at Machon Tal and receive credits towards future academic studies.



Class in Midreshet Ma'amakim

Married Students and Mothers

The staff of the Midrasha is aware of all the special spiritual needs of married women. For that reason, the Midrasha offers special classes answering the needs of married women, including lessons on parental guidance, a course for Kallahs, and more.

New Immigrants

In order to facilitate the studies of new immigrants, special tracks are available in the Midrasha for Russian, French and English speaking students and students of Ethiopian origin. Each group has a coordinator who meets regularly with the students to address their special needs throughout their years of study.

Study Program in the Midrasha

Shiurim in the Midrasha cover a broad range of topics in Tanach, Halacha, Chassidut, Emuna, Education, Prayer, and more.

Courses Offered:

Tefila ■ Parshat Hashavua ■ Chumash ■ Naviim & Ketuvim ■ Shmuel as Preparation for Kingship ■ Pirkei Avot ■ Wives of the Tanaim ■ Fundamentals of Emunah ■ The Kuzari ■ Mesillat Yesharim ■ Thoughts of the Rambam ■ The World of our Sages ■ Studies of Chazal ■ Writings of HaRav Kook ■ Writing of Reb Nachman of Breslav ■ Writings of Radak ■ Chassidut ■ Chassidut & Music ■ Writings of the Baal Shem Tov ■ Message and Musar in Agadda ■ Halacha ■ Relevant Subjects in Halacha ■ Yerushalaim & the Mikdash ■ Torah & Science ■ Miracles & Nature ■ Torah & Western Civilization ■ The Hidden Light of the Soul ■ Interpersonal Communication ■ Between Man & His Friend ■ Matrimony & Family ■ The Jewish Home ■ The Woman in the Life Cycle ■ Bride's Guidance Course

Tour Guide Course

This one year course offers joint program for guiding tours and “knowing” Jerusalem. The course is directed by HaRav Menachem Makover, the former director of Machon Hamikdash. This course trains students to be tour guides and teachers on the topics of Jerusalem and the Beit Hamikdash.

Housing Facilities

Machon Tal offers dormitories for its students, in the Kiryat Moshe neighborhood of Jerusalem. The Machon invests a lot into these dormitories, to enable the students to live in an appropriate religious and secure framework. The dormitory apartments are furnished, with central heat and a phone line for incoming calls, as well as basic furnishings.

All residents of the dormitory are required to act in accordance with JCT bylaws, which are publicized annually in the Student Handbook, and which students must sign before moving into the dormitory.

Criteria for Dormitory Residence

The demand for dormitory residence is greater than the space available, therefore, students should submit their application early, with a security deposit, to increase their chance of obtaining a place in the dorm. The dormitory management will endeavor to respond to the many requests, but unfortunately not everyone will get a room.

Priority is given to those who:

- Accept upon themselves the rules and regulations of the dorms
- Are enrolled in a full time program



At Machon Tal

- Apply early (first come, first served)
- Reside outside of Jerusalem (Jerusalem residents can apply and will be placed on a waiting list)
- Students who will reside in the dormitory all year will be given preference

Students who are accepted to Machon Tal on probation pending the success of their summer courses, can register for the dorms, however, they will be considered for dormitory facilities based on availability only after their acceptance to Machon Tal is final.

Unfortunately dormitory facilities are not available for married students and spouses.

Dormitory fees per student are approximately NIS 6,200 annually. This rate is subject to change.

Additional Facilities and Services

Cafeteria and Food Services

Machon Tal offers a cafeteria at which students can purchase food and drinks for breakfast and a hot lunch. In addition, there are vending machines for cold and hot drinks throughout the building.

Day Care Center for Infants

To help students who are mothers, Machon Tal has set aside facilities in the building as a day care center for infants. The day care center is well-equipped and students can learn knowing that their child is well cared for yet close enough should they be needed. There is a fee for this service.

Extra-curricular Activities

Machon Tal, together with Midreshet Maamakim and the Students' Association, organizes various social activities throughout the year. These include special seminars, Rosh Chodesh parties, Shabbatonim in a Torani environment, educational and social outings, and more.



The Electro-Optics lab at Machon Tal

Da'at – A Learning Center for Charedi Women at Machon Tal

Da'at was established in 2004 as a center for academic studies for Charedi women who graduated from Bais Yaakov or other Charedi high schools. The academic studies parallel those of all the branches of JCT.

Da'at was established with the following three goals in mind:

- To educate their students for life in accordance to the legacy of the Torah and mitzvot, in order to create Torah homes.
- To train students in academic fields of hi-tech and business.
- To assist the graduates, as much as possible, to find employment in a suitable environment.

Judaic Studies

The Judaic studies at Da'at are the cornerstone upon which each student builds her individuality and her future as a mother in Israel. Concern for the income and financial security of the home creates a crucial need to prepare these mothers of the future with the spiritual and educational energy to provide strength and guidance in managing a home and raising children. Therefore, special emphasis is placed on this topic in courses taught by leading teachers and Rabbis, who have a wealth of knowledge and strong backgrounds in education.

Faculty

Rabbanit Adina Attiya	Rabbanit Shoshana Halevi
Rabbanit Rachel Ben Chamo	HaRav Mordechai Kaufman
HaRav Moshe Einhorn	HaRav Moshe Klauzen
Rabbanit Ofra Elalouf	Rabbanit Chana Klein
HaRav Michael Feder	HaRav Baruch Yosef Manat
HaRav Yitzchak Fuchs	HaRav Eliezer Schweb
HaRav Avraham Goldish	

Study Program

Mandatory Program:

All students at Da'at are required to spend a specific number of hours in Judaic Studies in accordance with the year of study and status of the student.

Year of Study	Number of Study Hours Per Week	
	Single Students	Mothers
First Year	13	6
Second Year	10	4
Third Year	6	1
Fourth Year	2	----

Optional Program:

The optional part of the Da'at Judaic Studies program is designed for students who are interested in additional Jewish studies beyond those required for academic credit towards a degree. A student who is interested in this program must register in advance. Participants in this program qualify for special financial grants.

Guidance

HaRav Manat and the educational advisors are available to students for counseling on all topics, including halacha, emunah, and personal questions.

Topics of Study

Topics in the Torah ■ Kohelet ■ Shir Hashirim ■ Michtav M'Eliyahu ■ Philosophy ■ Topics in Chazal ■ Miracles and Nature ■ Exile and Redemption ■ Man's Obligation in the World ■ Studies in Parshat HaShavua ■ Mesilat Yesharim ■ Chovat Halevavot ■ Shaarei HaTeshuva ■ Middot ■ Holidays ■ Pirkei Avot ■ The Jewish Home ■ Marital Harmony and Communications



Class at Da'at

Machon Lustig

Academic Studies for Charedi Women in Ramat Gan

Machon Lustig was established in 1999 as an academic institution in Ramat Gan for Bais Yaakov graduates, and offers academic degrees on par with those of the other schools of JCT.

Accounting studies were first introduced to the graduates of the Lustig High School for girls in Ramat Gan in 1980. Recognizing the need for providing the students with an academic degree that would be approved by the Council of Higher Education, the directors of the Lustig High School and the directors of JCT agreed to establish Machon Lustig.

Machon Lustig is for graduates of the Lustig High School and other Bais Yaakov high schools located in the central region of Israel. Machon Lustig offers degrees in Accounting & Information Systems, Computer Engineering and Computer Science.

Machon Lustig graduates have entered accounting, auditing, and management professions at established CPA firms and factories, and have been praised for their high standards of professional service and personal integrity. Graduates of the Computer department have also successfully found work in high-tech and other relevant companies.

The founders of Machon Lustig set three goals for the program:

- To educate their students for a traditional life, in accordance with the legacy of the Torah and mitzvot, in order to establish Torah homes.
- To train students in academic professions with a wealth of knowledge and technology.
- To be concerned with the integration of the graduate, as much as possible, within an appropriate work environment.

Academic Staff

Machon Lustig's academic lecturers are carefully selected. They include lecturers with advanced academic degrees and many are leading experts in high-tech companies. They offer students the valuable combination of theoretical background and practical experience in their respective fields. The Judaic Studies faculty is comprised of leading Torah lecturers, including Ramim and educators in Yeshivot Gedolot. The academic director of Machon Lustig and all the educators are greatly concerned with the welfare of their students, and provide guidance for them throughout their educational studies and beyond.

Seminary Lustig

Director of the Seminar: HaRav Binyamin Metzger

Education Director: HaRav Eliezer Schwab

Seminary Lustig's goal is to help mold young women who wish to build a Torah home filled with Yirat Shamayim, and to be a "helper and mate" to a Ben Torah. The Seminary provides the students with a strong foundation of Judaic Studies in order to help mold her character in accordance with a Torah lifestyle. The Seminary attempts to prepare the students to be able to fit into their work environment in their future jobs while maintaining the highest standards of modesty.



At Machon Lustig

Faculty

HaRav Moshe Einhorn
HaRav Avraham Goldhish
HaRav Chaim Gruzman
HaRav Yechezkel Manat
HaRav Eliyahu Roth
HaRav Moshe Weinberger
HaRav Yaakov Zur

Rabbanit Irit Braverman
Rabbanit Hadassah Dikman
Rabbanit Leah Metzger
Rabbanit Aviva Romanov

Study Program

Courses in the Seminary include: Tanach, Halacha, Jewish Thought & Philosophy, Musar & The Jewish Home.

All unmarried students are required to participate in Seminary studies. Married students and students who are graduates of a three-year Seminary program are excused from participation in Seminary courses.



*Computer Science
at Machon Lustig*



In Machon Lustig's Library

The Admissions Process and Criteria





The Lockshin Judaic Library at Machon Lev

Admissions Procedures and Requirements

Applications for admission are accepted each academic year beginning in January and ending at the end of July.

Students applying to all academic programs at JCT must be eligible for an Israeli Bagrut Diploma, or a comparable certificate from abroad that is recognized by the Israeli Ministry of Education and Culture, or a certificate of completion from a Mechina (pre-academic, high school equivalent) program. Students applying to Machon Lustig or Da'at who do not have a regular Bagrut Diploma can submit the equivalent from their Bais Yaakov High School or Seminary.

Men who wish to study at Machon Naveh, in addition to a high school diploma, must be at least 23 years old, who have studied at least 3 years in a Yeshiva Gevoha, or tourists from age 21 and up.

The following criteria must be submitted by each applicant before evaluation for admission can take place:

- Bagrut Diploma or equivalent – Bais Yaakov High School Diploma including external exams or certificate from a Mechina (academic preparatory program). 12th Grade students must submit 11th and 12th grade progress reports and Bagrut exams to date.
- Psychometric, TIL or SAT exam results
- Personal interview
- Applicants to Machon Lev from 12th grade must take an exam on an unlearned section of Gemara.

Bagrut Diploma or Equivalent

The following is an explanation of the requirements in specific subjects in the high school diploma:

Mathematics

The studies at the Jerusalem College of Technology, and specifically the courses in Engineering and Computer Science, require advanced knowledge in mathematics. Therefore, each student is required to meet the following requirements:

Majors	Level required
All engineering programs, Computer Science and Computer Science/ Computational Chemistry	5 units with a minimum grade of 65 or 4 units with a minimum grade of 80
Accounting and Information Systems	5 units with a minimum grade of 60 or 4 units with a minimum grade of 75
Technology Management and Marketing	5 units with a minimum grade of 60 or 4 units with a minimum grade of 75 or 3 units with a minimum grade of 90

An applicant who does not meet these requirements and is still interested in applying to the college should contact the admissions office for information regarding alternate methods for qualifying.

Note: All students accepted to study at JCT are required to participate in a Preliminary Math course in the Elul semester to assure that all students have the required math level for academic studies at JCT.

Physics

All Engineering programs require knowledge of physics. It is highly recommended that an applicant to an engineering faculty complete a 5 unit Bagrut in physics with a minimum grade of 65.

A student who does not have a 5 unit Bagrut in physics is required to take a pre-academic course in physics, which is offered prior to the academic year. An applicant who has successfully completed the physics course at another institute of higher learning can receive an exemption from this preparatory course upon submitting details of his grade and a copy of the syllabus.

English

All majors of study at the Jerusalem College of Technology require a 4 unit Bagrut in English with a minimum grade of 65.

An applicant who does not meet this requirement will be required to pass an internal exam of 4 units in English during the admissions period, or complete a pre-academic course in English offered during the summer, or both at the discretion of the Admissions Office.

Hebrew

An applicant with an Israeli Bagrut Diploma must have at least 2 units in Hebrew language.

An applicant who does not have an Israeli Bagrut Certificate should review the requirements for knowledge of the Hebrew language in the section on “Integrated Academic Program for Students from Abroad – Immigrants and Tourists”, on page 47.

Psychometric Exam, TIL Exam or SAT Exam

To be accepted at the Jerusalem College of Technology, all applicants must take the Psychometric Exam, TIL Exam or SAT Exam.

Psychometric Exam

The Psychometric Exam is an important factor in considering an applicant for admission. The exam is administered through the National Center for Exams and Evaluations.

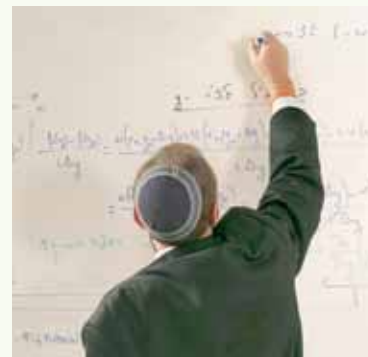
Registering for the Psychometric Exam is a process independent from the registration for the Jerusalem College of Technology. Registration forms for the Psychometric Exam are available through university bookstores, the Steimatsky book chain, or directly through the National Center for Exams and Evaluations at tel. 02-675-9555. When registering for the Psychometric Exam, please indicate that your test scores should be sent to the Jerusalem College of Technology.

NOTE! An applicant for the IDF Academic ATUDA Program must take the psychometric exam!

TIL Exam

TIL International Ltd. offers an assessment exam which evaluates an individual's potential for succeeding in academic studies. The TIL Exam is recognized by JCT as an alternative to the Psychometric Exam for acceptance to the college. However, applicants to the IDF Academic Atuda Program cannot be accepted on the basis of the TIL Exam.

The test takes about 4.5 hours, testing skills and abilities, and does not require any



advance preparation. The tests are presented to the applicant on a computer screen, but there is no need for any prior experience operating a computer in order to succeed. The results are not “pass” or “fail”, but refer to the extent of compatibility with the studies chosen by the applicant.

A sample test can be found at www.tilint.com

An applicant interested in taking the TIL Exam can contact TIL International, located in Ramat Gan, Tel. 03-578-7444. The exam fee is NIS 175 payable directly to TIL International.

A student taking the TIL Exam who, in high school, had authorization for extra time in tests can bring the authorization to TIL International on the day of the exam and receive the allotted extra time for the exam.

SAT Scores

Applicants who have previously taken SAT Exams in the US, Canada or other countries may submit official documented results to the admissions office for consideration in lieu of the Psychometric or TIL Exam.

Personal Interview

Every applicant must have a personal interview with a representative of the Admissions Committee. The Admissions office sends each applicant an invitation for an interview upon processing the application.

Male applicants applying to either Machon Lev or Machon Naveh have a personal interview with a representative of the Beit Medrash. Male applicants in their senior year of high school must also undergo an exam in Gemara, which includes questions on a section of Gemara (with Rashi and Tosafot) that has not already been learned.

A female applicant is interviewed by a staff member of the specific school to which she applied.

Probability of Acceptance to Study

The Acceptance Committee evaluates the personal details of each applicant in order to determine if he fulfills the admissions requirements. There are several options for acceptance to study at the Jerusalem College of Technology:

- Automatic acceptance based on the Psychometric Exam
- Automatic acceptance based on Bagrut Diploma
- Acceptance based on the combined criteria of the Bagrut Diploma and the Psychometric, TIL or SAT Exam
- Acceptance based on a high school equivalency diploma, Mechina diploma or Bais Yaakov diploma and the Psychometric, TIL or SAT Exam
- Acceptance based on Associate Engineering Diploma or previous academic studies

Automatic Acceptance Based on the Psychometric Exam

A student who has a Bagrut Certificate including the specific requirements described earlier in this guide and a Psychometric score of 720 or above (this score may be adjusted from year to year at the discretion of the Committee of Admission Requirements) will be accepted automatically to JCT on condition that he meets the admission criteria for the major of his choice including a personal interview.



Studying in the Gardens of Machon Lev's Campus

Automatic Acceptance Based on the Bagrut Diploma

An applicant with a Bagrut Diploma who has received a weighted average of 106 or above (this grade may be adjusted from year to year at the discretion of the Committee of Admission Requirements) will be accepted automatically into the program of his choice without the Psychometric, TIL or SAT Exams, on condition that the applicant meets the specific admission criteria for the major of his choice, including a personal interview.

To calculate the weighted Bagrut average, please see Appendix A at the end of this booklet.

Acceptance based on the Bagrut Diploma and the Psychometric, TIL or SAT Exam

An applicant who does not qualify for acceptance solely on the basis of a Psychometric Exam, or solely based on his Bagrut Diploma, could be accepted on the basis of a compatibility score. The compatibility score is calculated using the following formula:

$$(0.02 \times \text{Psychometric/TIL/SAT score}) + (0.35 \times \text{Weighted Bagrut Average}) + 35.703 = \text{Compatibility Score}$$

The compatibility score required for acceptance to the Jerusalem College of Technology is 79. Please see Appendix B at the end of the booklet for an example of calculating the compatibility score.

An applicant who has not yet received eligibility for a Bagrut Diploma

- An applicant who passed most of the exams towards a Bagrut Diploma, and is lacking up to 2 subjects to receive a Bagrut Certificate, can apply for acceptance to JCT provided that he is scheduled to finish his Bagrut exams by the summer prior to the beginning of the academic year in which he wishes to begin his studies.
- Such an applicant will be considered for admissions based on his Psychometric, TIL or SAT scores, his Bagrut grades to date, and the grades on his 11th and 12th grade report cards. Furthermore, the applicant must provide documentation from his high school indicating the total subjects and units he is scheduled to complete to qualify for his Bagrut Diploma.
- Such an applicant will be conditionally accepted until he is eligible for a Bagrut Diploma.
- A student who is conditionally accepted is not eligible for scholarships.

Acceptance Based on Certification from a Mechina (Academic Preparatory Program) or a Bais Yaakov Diploma or High School Equivalency Diploma and the Psychometric, TIL or SAT Exam

An applicant who has a Mechina certificate or high school equivalency diploma will be accepted provided he has a compatibility score of 79 as described in the previous section: "Acceptance based on the Bagrut Diploma and the Psychometric, TIL or SAT Exam."

An applicant who has not yet received certification from a Mechina or a High School Equivalency Diploma

- An applicant will be considered for admission based on his Psychometric, TIL or SAT scores, his Bagrut grades to date if he has any, and according to the interim evaluation grades from the Mechina. If there is insufficient data to make a decision, the decision will be postponed until he qualifies for the Mechina Certificate.



The Brause Educational Center at Machon Lev

- An applicant who has been accepted to studies and has not yet received the Mechina Diploma, will be conditionally accepted until he receives confirmation of his eligibility for the certification.
- A student who is conditionally accepted is not eligible for scholarships.

Acceptance based on an Associate Engineering Degree or Previous Academic Studies

- **An Associate Engineer with a diploma or a letter attesting to his eligibility for a degree from a recognized school for Associate Engineers**, and whose average grades from the government administered exams, including the final project grade, is 75 or higher, can apply to upgrade to an academic degree. With a grade average below 75, the applicant must provide the score of a Psychometric, TIL or SAT Exam. The Acceptance Committee and/or Department Chairman will then determine acceptance.

An Associate Engineer accepted to upgrade to an academic degree will receive credits based on his earlier studies upon approval by the Department Chairman.

A graduate of an Associate Engineering school who states that he will be able to present confirmation of his eligibility for a diploma by the end of the first semester can receive conditional acceptance based on the above. Alternatively, he can be accepted on the basis of the Psychometric, TIL or SAT Exam and Bagrut grades. If by the end of the first semester the student does not submit his Diploma, all the credits the student received will be cancelled and the continuation of studies will be considered anew.

- **An applicant with prior full or partial academic studies** will be exempt from the Psychometric, TIL or SAT Exam. The applicant must present an authorized report of his grades for at least 4 semesters together with his diploma if he has one and his course average must be 75 or higher. Upon acceptance, the new student can apply to the Department Chairman of his chosen major to receive exemptions and/or credits for courses already studied, provided that the course is similar in content to the studies at JCT and the student earned a minimum grade of 75 in each course. To receive the exemption, the student must bring an authorized report of grades and the syllabus for each course.
- All requests for credit and/or exemptions from courses must be submitted to the Department Chair by the beginning of the fall semester.
- It is the student's responsibility to verify with the Registrars office that credits and/or exemptions granted by the Department Chair are credited.

The Application Process

The Application Kit includes:

- Admissions Guide
- Application Form
- Health Declaration Form
- Voucher for Application Fee
- Return Envelope

Applicants must fill in all details on the application form clearly and concisely.

The application form will be processed only if it is mailed in with all the required supplementary documentation.

An applicant who applies via the internet must also submit all specified documentation in order for his application to be processed.

The following must be mailed in with the application form:

- Photocopy of the applicant's Teudat Zehut. Tourists should include a copy of their passport. New immigrants should include a copy of their Teudat Oleh.
- Two recent passport photos.

- A Marriage License must be submitted by married students.
- A copy of the applicant's Israeli Bagrut Diploma, Mechina Certificate or the equivalent from abroad.
- Applicants who have not yet received their high school diplomas should provide 11th and 12th grade report cards, Bagrut grades earned to date and authorization from his high school attesting to the subjects and level of Bagrut exams the applicant is scheduled to complete.
- An associate engineer or someone with a previous academic background must provide an official transcript of grades, diploma, etc.
- Grades from the Psychometric or SAT Exam
- Health Declaration Form signed by the applicant
- Copy of the release/exemption/deferment from the Army or National Service
- Receipt for payment of application fee. **This fee is not refundable.**

Application Process

- Upon receiving the application form and documentation, the Admissions Office will enter your details into the computer. You will receive a letter confirming receipt of your application, a summary of your details as they have been entered into the computer for verification and an invitation to a personal interview.

Please Note: Applicants via internet must send documentation to the Admission Office. Only upon receipt of all documentation will the application be considered.

- Upon receiving the letter, please ensure that there are no mistakes in your personal details. If it is necessary to change any of your details, please notify the Admissions Office **in writing**.
- An applicant, who has provided all required documents and meets all the admission requirements, will receive a prompt decision regarding his acceptance.
- An applicant who has not provided all the necessary documentation or who has not yet received a Psychometric, TIL or SAT Exam grade etc., will receive an answer regarding acceptance only after fulfilling all the admissions requirements.
- The Admissions Committee reviews each application in accordance with the faculty choice listed by the applicant and in order of his preferences.
- If the applicant is interested in changing his major or the order of his preferences, that request must be made **in writing**. It is recommended to confirm prior to submitting a request for change, the likelihood of acceptance to the new field of study.

Notes:

- The Jerusalem College of Technology reserves the right to review and refute all data, documents and declarations provided by an applicant. Falsifying data or hiding information is a serious disciplinary offense. A student or applicant who is found guilty of this is liable for punishment, and could be expelled.
- It is not necessary to submit original documents, but rather to submit certified copies. Documents submitted will not be returned. Documents can be certified by the Admissions Office.
- Special requests or circumstances should be submitted in writing, attaching relevant documents.
- The decision regarding acceptance will be made only after all required documents have been submitted. An applicant who has omitted information in his application



At Machon Tal

will be requested to provide the missing data. Only after all missing details have been provided will the application be reviewed.

Application Fees

In Israel, the application fee should be paid using the enclosed voucher. Payments can be made in any bank excluding the Postal Bank.

The application fee for those applying via JCT's Website is payable by credit card on the website.

The application fee is not refundable.

Application Fee Scale

- New Applicant – NIS 350 if paid until July 20
- New Applicant – NIS 400 if paid after July 20
- New Applicant – applying by internet (in Hebrew only) receive discount of NIS 100
- Applicant who has completed the Preparatory Academic Program (Mechina) or any other program at the Jerusalem College of Technology – NIS 150
- An applicant who is renewing his application to JCT – NIS 150
- A returning student – NIS 150

Please Note: These fees are correct as of 2006 and are subject to change.

Admissions Committee Decisions

An applicant who has submitted all the necessary documents and fulfills all the admissions requirements will receive written notice of his acceptance.

The acceptance letter will specify the program of study to which the applicant has been accepted, as well as level placement for English studies. Furthermore, the letter will specify any preparatory course required by the new student and the date for beginning the academic year.

An applicant who does not meet the admission requirements will unfortunately receive a letter of rejection.

Conditional Acceptance

The Admissions Committee may decide to accept an applicant even though he does not meet all the admission requirements. The committee will specify conditions to be met by the applicant and/or determine a period of probation.

The student who is accepted must pay attention to the conditions specified in his letter of acceptance.

It is the student's responsibility to verify that he meets the conditions of his acceptance. The student must provide the Registrar's Office with proof that he has met the conditions so that his status may be changed from "Conditional" to "Good Standing".

An applicant who is conditionally accepted is not eligible for scholarship grants. If an applicant's status is changed to "Good Standing" by the first day of Semester I, and if he meets all the criteria to receive a scholarship, it can be awarded.



At Machon Tal

Confirming Acceptance

Together with the letter of acceptance, each new student will receive a packet with forms, vouchers and information for confirming his acceptance to the college. The packet will include:

- Student Handbook with details of tuition fees and methods of payment, scholarship and loan information, dormitory costs, and other services available at the college
- Voucher for tuition deposit
- Voucher for preparatory courses
- Form for setting up a direct debit for tuition from the student's bank
- Dormitory request form
- Form for "Heter Iska"
- Form for updating information

To secure your place at JCT, you must pay the security deposit for tuition and return the bank debit form signed by your bank. Failure to pay the security deposit and set up the direct debit before the start of the academic year can cause a delay in the start of studies.

Tuition Fees

Tuition costs at JCT are identical to those at all Israel Universities and are determined each year by the government. Tuition fees are based on the number of credits towards the degree for which the student is enrolled. The Student Handbook sent with the acceptance letter provides detailed explanations of the tuition fees and payment options available.

Other Fees

Aside from the tuition fees, Israeli students must pay National Insurance (Bituach Leumi) and accident insurance. These payments should be arranged independently by students at a National Insurance Institute office. Similarly, a student who is a tourist must have valid health insurance coverage for at least his first year of studies in Israel.

Students who will be residing in the campus dorms will pay, in addition to tuition, dormitory costs. A detailed explanation of the costs of dormitories is included in the Student Handbook that is sent to each student upon acceptance to the school.

Fees for Judaic Studies

Judaic Studies in the Beit Medrash, Midrasha or Seminary are not included in the regular tuition costs. The Student Handbook sent upon acceptance includes a description of the fees for Judaic Studies at each of the Machonim.

Tuition fees for the English Speakers' Programs are determined by JCT and include Judaic Studies, Academic Courses, and dormitory facilities.

Canceling Registration, Discontinuing Studies, and Payment Refunds

- A student who wishes to cancel his application or to postpone his acceptance for a year must notify the Admissions Office in writing.
- Application fees are non-refundable. Refunds for tuition and dormitory deposits will be made according to the by-laws of the Jerusalem College of Technology as described in the Student Handbook.
- A student who decides to terminate his studies after the start of the academic year must notify the Dean of Students and fill out the form for terminating studies.
- A student who cancelled his application and wishes to renew it must pay a renewal fee of NIS 150 and apply once again to the Admissions Office. The Acceptance Committee will evaluate the application anew. Should there be a change in the admission criteria the applicant would have to abide by the new criteria.

Beginning the Academic Year – Elul Semester

To assist all students accepted to the various programs at JCT acclimate properly to studies and insure that incoming students all begin the academic year with the proper level of mathematics, physics and English, JCT offers preparatory courses in Elul (August). Preparatory courses are also offered in Computer Science and Accounting.

The mathematics course in Elul is required of all new students.

The acceptance letter sent to the student will indicate which courses he must take in Elul. The cost of the preparatory courses in the Elul semester is not included in the annual academic tuition fees and must be paid for separately.



*Studying hard
at Machon Lev*

Scholarships and Loans*

The Jerusalem College of Technology offers tuition scholarships and loans to students in the various programs to provide financial assistance for academic studies, and to help to relieve students of the financial burden of their education while devoting themselves to their studies.

Scholarships are offered:

- To encourage excellence in Judaic and academic studies
- To encourage leadership and community service
- To assist students with financial problems

In order to benefit from JCT's scholarship programs the student must fill out a scholarship form on the internet by the first day of Semester I

Types of Scholarships

Scholarships for Academic Excellence

This scholarship is offered to students in all the programs in order to encourage academic excellence. 20% of the students in each Machon who score the highest grade average will be awarded a scholarship. For first year students at JCT, the Compatibility Score will be the criteria for determining recipients of this scholarship.

A student who receives this scholarship will be obliged to devote 10 hours of his time during the academic year to providing tutorial assistance to fellow students.

Beit Medrash – Machon Lev Students Only

In order to encourage young men to study the full Machon Lev program including Beit Medrash studies, JCT offers an extensive scholarship incentive. This scholarship varies in amount depending on whether or not the student is married. This scholarship is intended for Israeli students only. Attendance in the Beit Medrash is checked regularly by JCT and by external government offices who finance the Beit Medrash studies. Proper attendance record in the Beit Medrash is required for this scholarship.

Special Study Incentive Scholarships

From time to time, JCT decides to offer incentive scholarships to new students who decide to learn in specific departments. Each year the department may change. In 2006-2007, Incentive Scholarships are being offered to students being accepted to Industrial Engineering and Management.

Special Grants/Loans

Where a student informs the Jerusalem College of Technology that he is in need of additional financial aid, special assistance may be offered, based primarily on the student's financial situation, with consideration given to his academic status. Half the assistance awarded is a loan and half is a grant.

Scholarships for Community Service

Scholarships are awarded to students at JCT who have excelled in community service, assistance to their fellow students or to society, in a special way, such as volunteering in Civil Guard, serving in the Army Reserves, and other forms of volunteer work.

Science Teaching Scholarship

A scholarship of up to 25% of the annual tuition rate will be given to 20% of the students with high averages in education courses. Evaluation of student grades will be done at the end of the third year, and the scholarship will be given in the fourth year of study.

* Scholarship amounts may vary from year to year. Amounts mentioned in this guide are applicable in 2006 and are subject to change.



Attentive at Machon Tal

Family Scholarships

Families who have more than one member studying at the Jerusalem College of Technology (including all its programs) can apply for a family scholarship of NIS 850 per student.

Note: If one of the students is entitled to receive 50% or more as tuition funding from any other source, or as part of a salary contract between employers and employees, the student will not be entitled to receive this scholarship. Also, if one of the students is studying 50% or less of a full academic program, neither student will be entitled to receive the scholarship.

Excellence in Research

A special program exists at JCT for exceptional students to encourage them to fulfill their potential. In addition to their regular program of study these students, under the guidance of a faculty member, design a research program for themselves. Participating students can receive a special scholarship of NIS 6,000 per year.

To qualify for this grant students must have an academic average of at least 90. Full time students may join this program beginning with the first semester of the second year of studies.

A student must invest at least 8 hours a week in pursuing research and individual studies beyond his regular study program in order to broaden his horizons. Each semester the student must summarize in writing the results of his studies and research. He may also be required to present a seminar to other students and faculty. An academic average of 85 is required for students to remain in the program. A student who has remained in the program for at least 4 semesters will receive a special certificate at graduation indicating that he participated in the **Program for Excellence**.

For more information contact Mr. Meir Komar, coordinator of the program at Tel: 972-2-675-1286 or Email: excellence@jct.ac.il.

Atidim for Industry

A student with high academic achievement from a family with limited financial resources might qualify for this special program which couples a student with a company. The company 'adopts' the student and finances his studies. The student receives a monthly stipend of NIS 1,500 for up to four years of academic studies. To qualify for this program the student must be an IDF veteran or have performed Sherut Leumi. Acceptance to the program is determined by JCT and the Atidim organization.

Further information can be found at the website

www.atidim.org/citizen1.asp or by speaking to Chaim Rosenfeld, coordinator of the project at JCT, Tel: 972-2-675-1193, Email: atidim@jct.ac.il

Additional Scholarships Available from External Sources

Perach

Students can register for Perach scholarships which involves tutoring younger students in elementary and high schools for four hours each week. The meetings are conducted at a time and place that is convenient to the tutor and student, with activities that are designed to enrich the child's world, to strengthen his self-confidence, and to assist him in his studies. The Perach scholarship is paid directly to the student by the Perach administration and is NIS 4,500 a year. Jerusalem College of Technology further encourages this important project, and offers an additional scholarship of NIS 750 a year to Perach tutors. To register, please visit www.perach.org.il beginning in August. Scholarships are limited and are awarded on a first-come first-served basis.



Special Program for students from Ethiopia

Scholarships from the Ministry of Education

The Israel Ministry of Education offers scholarships to students studying toward an academic degree. In recent years, hundreds of students at the Jerusalem College of Technology have been given this opportunity and were awarded scholarships in the amount of NIS 2,000-3,500 annually. Forms can be obtained at a minimal fee from the Student Council during the first semester.

Jerusalem Grants

With the intent of strengthening and developing Jerusalem, the Development Authority of Jerusalem has received government funding to distribute loans to students studying towards a Bachelor's Degree in technological fields – Engineering, Information Systems, and Computer Science. The purpose of this program is to encourage students to remain in Jerusalem for employment upon completion of their studies. The loan becomes a grant, full or partial, in accordance with defined criteria. Students can receive up to NIS 8,000 annually towards a Bachelor's Degree. Students interested in this aid can contact the Dean of Students.

Note: Students who are enrolled in the military deferment program are not eligible for this loan.

Sustenance Scholarships for Students Residing in Central Jerusalem

In accordance with the growth program for Jerusalem initiated by the Israel Government and the Mayor of Jerusalem, Sustenance Scholarships are being distributed to students studying for their Bachelors' degree in Jerusalem who are renting accommodations in central Jerusalem (according to the list of streets defined in the program). The scholarship grant is NIS 6,600 annually, for each participant who meets the defined criteria. A student wishing to apply for this grant can do so with the help of the Dean of Students.

Additional information about these scholarships is available at http://www.jda.gov.il/News_JersusalemStrength.asp

Student Authority

The Student Authority of Israel's Ministry of Absorption offers tuition scholarships for up to 3 years of studies towards a Bachelors' degree (including Mechina studies). The scholarship is intended to cover tuition fees only and is not dependent upon the student's economic or family situation.

Candidates eligible for this scholarship include:

- An immigrant or returning minor, or the child of an immigrant or minor immigrant, who begins academic studies in Israel within 36 months of his Aliya to Israel and meets the following age criteria:
 - Mechina / Academic Preparatory Program: aged 23 or under on the first day of studies.
 - Bachelors' degree: aged 25 or under on the first day of studies.
- Ethiopian, Bucharian, and Kafkas immigrants are entitled to special assistance.

Additional information can be found at <http://www.moia.gov.il/students/students2.htm>, or by contacting regional directors of the Student Authority.

Gruss Foundation

A scholarship of approximately NIS 4,000 is offered as part of the assistance program for the advancement of under privileged areas. Students eligible for submitting an application are: IDF veterans within 5 years of their discharge who live in development areas or have at least 3 younger siblings, or a member of a large family who live in



Periodicals Section

anywhere in Israel. Applications for this scholarship can be obtained through the regional councils. For further information please visit www.gruss.org.il/milgot.html

Impact Foundation

This foundation, founded in the USA was established to support needy students who have served in IDF combat units. Applications must be submitted during the first or second year following the student's discharge from the army. The Impact Foundation offers \$4,000 annually to students for each academic year (up to 4 years). A student who receives an Impact Scholarship must contribute four hours weekly in community service throughout the year.

A student interested in applying for this scholarship should contact the foundation directly at 03-544-5731. Further information can be found at <http://www.hachvana.mod.gov.il/pages/general/impact.asp>

Achievement Scholarship for a "Chayal Boded"

This scholarship fund was founded in May 2005 and is intended for army veterans who have served in any branch of the military, have finished their full army service satisfactorily and were categorized as a "Chayal Boded". The scholarship includes full funding of tuition for a Bachelors' degree and a monthly stipend for living expenses. This scholarship is designed to encourage motivation and the personal development of the "Chayal Boded" and will also include a program for academic excellence.

Students can contact the Aguda Lema'an HaChayil directly at 03-544-5731 to receive application forms for this scholarship.

Scholarship Fund for Discharged Soldiers

Initiated by the Prime Minister, this fund is managed by Mifal Hapayis to assist soldiers discharged from their army service, and whose financial situations do not allow them to fulfill their ambition for academic studies in Israel. The fund offers academic scholarships to approximately 1,000 students from all parts of Israel, who are selected by a Scholarship Committee, with preference given to veterans who served in combat units. The fund assists students with their tuition, beginning in the first year of studies until graduation (up to 3 years of study) up to NIS 10,000 each year. Money is transferred directly to the students' bank account after ascertaining that the student has met the academic requirements and community service requirements.

The community service is done within the framework of the Yedidim organization for youth and society, four hours each week, totaling 130 hours for each academic year.

Applicants can apply through the Mifal Hapayis website from October 5. Further details can be found at <http://milga.pais.co.il>

Chairman of the Knesset Fund

This fund is intended for students who are experiencing financial hardship. Many applicants who submitted appropriate documentation were granted scholarships of up to NIS 1,500. For further details, please call 02-649-6461 (beginning in October) or visit the Knesset website at

<http://www.knesset.gov.il/library/heb/docs/rep2002-32.htm>

Jewish Agency Grants for Needy Immigrant Students

The purpose of this fund is to offer special assistance to students who have immigrated to Israel on their own from 1997 onward. Assistance provided by this fund is designed to meet the immediate and urgent needs of students and is not part of the assistance given by the Student Authority.

For more information, please call 02-620-2727 or visit <http://www.jafi.org.il/hebrew/aretz.htm>

Fund to Assist Terror Victims in Israel

The fund was designed to provide direct assistance to victims of terror or a close relative of a victim if they have no option of receiving full assistance from formal government agencies. For further information, please call 02-620-2836, Fax: 02-620-2952, or visit <http://www.jafi.org.il/hebrew/aretz.htm>

Martha Panzani Scholarship Fund

The Israel Justice Department – General Guardianship awards scholarships from this fund. Students meeting the following criteria may apply to the fund through the Dean of Students:

- Descendants of parents and grandparents of German origin who suffered during the Holocaust
- Students up to the age of 30
- A student with a difficult socio-economic situation

Note: A student who has already received aid from this fund must wait four years before applying for assistance again.

Loans

The Jerusalem College of Technology is interested in assisting students to dedicate their time to their Torah and academic studies. To aid them, JCT has created a variety of loan options as part of the financial aid available to students. The loans are designed to help students finance their studies, as well as to assist with living expenses.

The loan that a student receives today is an investment in his future. It will enable him to concentrate on his studies, to reach his potential, and subsequently to ensure for himself (and his family) a better financial future. Indeed, loans must be repaid, but, at this time, the loan is an investment and the repayment terms are very favorable.

The loans assist not only those who are in financial need, but are available for specific needs, such as brides and grooms.

The JCT loan options include bank loans, JCT loans, foundation loans, and no-interest gemachim. There are even funds without linkage to the cost of living index.

JCT has an agreement with Bank Leumi to offer student loans for tuition costs with favorably repayment terms and low interest rates.

For more information or to request a loan application, please contact the Dean of Students or the Student Finance Office.

A more detailed description of Scholarships and Loans appears each year in the Student Handbook provided to all students at the beginning of each academic year.



*Students help each other
at Machon Tal*

English & Mathematics: For all Students

Applied Mathematics Department

Department Director: Dr. Noach Dana-Picard

Mathematics is the foundation for practical knowledge. The development and advancement of our world is dependent upon having ongoing practical and logical understanding of our ever-changing environment.

The intellectual strength of our industries depends on our ability to apply mathematical thinking to real problems.

Economic success can often be attributed to global competitive advantage in the field of mathematical analysis, which enable companies to increase their creativity, innovation, and export sales.

The Applied Mathematics Department offers courses for students of all majors at JCT. These courses conform to the needs of each major, and offer tools in the pure mathematic fields, mathematic feasibility, probabilities and statistics – all fields that have become increasingly crucial in this age of modern technology.

Contact information:

Tel: 972-2-675-1259, Fax: 972-2-675-1285, Email: math@jct.ac.il

Teaching Staff

Prof. Abba Engelberg	Netanel Altschuler
Prof. Yaakov Friedman	Yeara Aviad
Prof. Yitzchak Manevitch	Eli Bagno
Prof. Uziel Sandler	Miriam Bardenshtein
Prof. Joseph Steiner	Leah Bozgelo
Prof. Alan Stulman	Rivka Gassenbauer
Dr. Israel Aharoni	David Garber
Dr. Noach Dana-Picard	Nethanel Goldshmidt
Dr. Haim Dayan	Uzi Hadad
Dr. Yuri Hofmann	Shlomo Haddad
Dr. Yaakov Itin	Yoram Haddad
Dr. Ivy Kidron	Malka Halpert
Dr. Vladmir Lender	Dorit Hutzler-Rotem
Dr. Aryeh Naimark	Olivier Koch
Dr. Joseph Peretz	Aharon Kreysler
Dr. Emanuel Reisin	Chaya Kukis
Dr. Alexander Rosenthal	Hadas Levi-Parzan
Dr. Alexander Rotstein	Shulamit Reches
Dr. Zvi Scarr	Ronit Rosenfield
Dr. Daniella Shnaps	Yitzchak Tulbovich
David Adjashvili	Talia Yeshua

English Department

Department Director: Mr. Michael Gordon

To succeed in academic studies, students must be able to function in English as well as Hebrew. If students learn the English language properly, they will better understand the materials used in their respective curricula. Research has proven that those with a strong grasp of the English language are better able to succeed in academic studies and in the business world.

The English Department at JCT offers English courses for students of all majors. The studies in the English Department focus on both written and spoken English for daily use, in addition to professional English for high-tech and business. We insist that our students have an excellent command of the English language in order to be eligible for receiving a degree.

Contact information: Tel/Fax: 972-2-675-1026, Email: english@jct.ac.il

Teaching Faculty

Prof. Yosef Mendelson	Israel Levine
Dr. Tziporah Abraham	Eliyahu Saar
Dr. Dale Weiss	Regine Hoffman Schwartz
Yosef Barnett	David Stahl
Robin Braverman	Aharon Steifel
Chaya Cowan	Fiona Shlakman
Reuven Engelberg	Yona Triestman
Reuven Falk	Rivka Tsava
Eliashiv Levi	

Levels of Learning

Assigning students to English levels is done when a student is accepted to the college according to one of the following criteria:

- English score in the Psychometric Exam
- English level from the TIL Exam
- Grade from the AMIR Exam

Bagrut grades do not determine placement in English levels.

The following chart indicates the English Level according to the various exams:

Level on the TIL Exam	Grade from the AMIR Exam	Grade in the English Section of the Psychometric Exam	Initial Level Assignment at JCT
Intermediate	180-199	80-99	Intermediate
Advanced 1	200-219	100-119	Advanced 1
Advanced 2	220-227	120-127	Advanced 2
Professional English	228-233	128-133	Professional English
	234-250	134-150	Exemption

Notes:

1. **There is no exemption based on the TIL Exam.**
2. An applicant who is a graduate of an English-speaking high school is exempt from English studies.

3. A student who is exempt from English studies may take the professional English course, if he so desires and earn 3 credits for the course.
4. An Associate Engineer or someone with previous academic studies, regardless of whether or not he has an academic degree, must do one of the following in order to be assigned his proper level of English or receive an exemption:
 - Take the AMIR Exam prior to the start of the academic year, or
 - Take the English section of the TIL Exam prior to the start of the academic year, or
 - Bring an official transcript documenting prior English courses, grades and syllabi to the Director of the English Department. It is advisable to arrange to meet with the Director of the English Department prior to the beginning of the first semester of study.
5. An applicant who receives less than the minimum grade of 80 on the Psychometric Exam, or below 180 on the AMIR Exam, or pre-academic level on the TIL Exam, will be required to pass a pre-academic preparatory course in English.
6. An applicant who does not meet the acceptance requirements (at least 4 units of Bagrut with a minimum grade of 65) will be required to pass an internal exam, corresponding to 4 units in English, at the time of application, or take a pre-academic preparatory class in English, or both. The Admissions Office will decide on the requirement according to the circumstances of each applicant.



At Machon Tal

Special Programs





*New Immigrant Student
at Machon Tal*

Academic Program for Students from: Immigrants and Tourists

Program Director: Mr. Yisrael Tkach

Coordinator at Machon Lev and Machon Naveh: Mr. Yehouda Allouche

Coordinator at Machon Tal and Da'at: Mrs. Ketti Kujawsky

The Academic Program for Students from Abroad is designated for immigrants and tourists from various countries, who have completed high school.

Students in this program are considered first year students in all respects. Some of the courses in this program are given separately at an easier level of Hebrew or in the language of the student's origin. The remaining courses are offered within the regular academic framework. The academic by-laws for this program are set appropriately for tourists and new immigrants. Likewise, students in this program can take Judaic Studies classes in easier Hebrew, as needed, or join the regular Beit Medrash or Midrasha programs.

One of the main purposes of this program is to assist in the successful absorption – academic, spiritual and social – of a new immigrant or tourist who has only recently arrived in Israel. Therefore, in the joint program, special emphasis is given to the following areas:

- Judaic Studies, including: Hashkafa, Mussar, Jewish History, Chumash, Tanach, Mishna, Gemara, and Halacha.
- Hebrew language supplementary classes, which is crucial for the success of the student at any academic institute of higher learning in Israel.
- Students in this program will receive tutorial assistance in the courses in which they have difficulty due to language problems.
- The students will receive personal care throughout the period of absorption at the institution, with regards to their daily needs as well as matters pertaining to official government agencies.
- Professional and experienced pedagogic staff will assist the students of this program, including Rabbis, lecturers, coordinators, and counselors.

In addition to formal studies, a variety of extra-curricular programs are available, including trips, organized Shabbatonim, Rosh Chodesh parties, all important to ease the absorption of the students into Israeli society in general and JCT campus life in particular.

Most of the students in this program who come as tourists, complete their immigration to Israel, becoming full Israeli citizens.

See the chapter on Scholarships and Loans for special financial aid available to New Immigrants and tourists.

Note: Tourists or immigrants from abroad who study in the academic preparatory program at JCT or in the one year program for English speakers will be accepted in the regular academic program after evaluation by the Admissions Committee.

Acceptance Criteria

- High School Matriculation Certificate or equivalent. Full high school transcript should be provided.
- Entrance exam in Hebrew (See section below on “Knowledge of Hebrew”)
- Personal interview
- Psychometric, SAT or TIL Exam
- Letter of recommendation from a Rabbi or educator

Knowledge of Hebrew

An applicant from abroad who is interested in studying in this program must have skills in Hebrew at a minimum of level B from a recognized Ulpan program with a passing grade of 75.

Hebrew Entrance Exams and Exemption Exams

- Every applicant from abroad must take an entrance exam in Hebrew written by JCT staff, comprising both oral and written sections. The entrance exam is offered in the country of origin in early spring or at JCT for those who are already in Israel.
- A student who passes the entrance exam with a grade of 75 or above and has all the other criteria for acceptance, will be accepted to the college as a regular student, and will participate in an intensive Ulpan in Elul.
- A student who passes the entrance exam with a grade of 90 or above will be exempt from the Ulpan studies and will be permitted to take the exemption exam at the first opportunity that it is offered.
- Upon completion of the Ulpan in Elul, an intermediate exam will be held for all Ulpan students. A student who excels in this exam with a minimum grade of 90 is released from further Hebrew studies and can take the exemption exam at the next available time.
- A student who receives less than 90 in the intermediate exam will be required to participate in Hebrew classes throughout their first year of studies. At the end of each semester, an exam will be held. A minimum grade of 80 on the semester exam will enable the student to take the exemption exam.
- The exemption exam is held twice a year: at Chanukah and at the end of the academic year. A grade of 65 on the exemption exam will release the student from further Hebrew language studies.
- A student who does not pass the exemption exam by the end of the first year will be receive the status of “not in proper standing”. This status will be removed when the student passes the exemption exam.

Contact information:

Tel: 972-2-675-1029, Fax: 972-2-675-1068

Email: olim@jct.ac.il



In Machon Lev's Beit Medrash

English Speakers' Program (ESP)

Program Director at Machon Lev: Prof. Alan Stulman

Program Director at Machon Tal: Mrs. Linda Derovan

The English Speakers Program provides a religious, academic and social infrastructure to integrate English speaking students into JCT and Israel.

Judaic studies courses, are available on beginner and intermediate levels in English. The Machon Lev curriculum includes: Jewish Law, Philosophy, Talmud learning with a partner, and Talmud lectures. Courses in the women's program at Machon Tal include: Jewish Law, Philosophy, Jewish History, Torah, Neviim and Ketuvim.

A large variety of academic courses are offered in English, including Psychology, Business Ethics, Environmental Science, Introduction to Marketing, Introduction to Management, College Mathematics, Calculus, Linear Algebra, Physics, Micro-economics, Macro-economics, Economics of Israel, Internet Programming and Computer Science.

Students proficient in the Hebrew language may join any Judaic Studies or academic course offered in Machon Lev's or Machon Tal's regular programs.

An academic advisor is available to assist the students in determining their personal interests, and they can receive tutorial assistance in all areas.

In addition to classroom studies, a wide range of social activities are offered to the students, including field trips, touring, Rosh Chodesh parties, and more.

The ESP Program is designed for students from two different groups of English Speakers:

- High school graduates from English speaking countries. These students often come to Israel for one year of studies, during which they can receive a rich spiritual and academic experience. These students can request an official transcript to use for transfer credit at the college of their choice.
- Students who are interested in pursuing a college degree in Israel, however, lack strong Hebrew language skills. In the one-year program, they will study in English while at the same time acquire a strong grasp of Hebrew in Ulpan, which will enable them to continue their studies in Hebrew in subsequent years.



Harav Yehoshua Geller with ESP students



Machon Lev Dormitory Room

Machon Lev Faculty

Beit Medrash Rabbanim

HaRav Yehoshua Geller

HaRav Yitzchok Talansky

Academic Faculty

Shlomo Eitan

Nachum Danzig

Michael Dreyfus

Israel Levine

Tom Kaplan

Machon Tal Faculty (in formation)

Prof. Abba Engelberg, Academic Director

HaRav Menachem Copperman

Mrs. Linda Derovan

Mrs. Daphna Siegman

Acceptance Criteria

- High school diploma
- Personal interview
- Recommendations from Rabbis or educators
- SAT scores or equivalent

For additional information contact:

ESP for Men at Machon Lev

Tel: 972-2-675-1011

Fax: 972-2-675-1033

Email: esp@jct.ac.il

Website: www.esp.jct.ac.il

ESP for Women at Machon Tal

Tel: 972-2-675-1231

Fax: 972-2-675-1068

Email: espw@jct.ac.il

Website: www.esp.jct.ac.il



On the basketball court



IDF Academic Deferment Programs

For Machon Lev students only

Atuda Academit

Machon Lev accepts students who receive Academic Deferment from the Israel Defense Forces (IDF).

Applicants are chosen by the IDF and by Machon Lev from students in their senior year of high school, after they have applied and met the criteria of the IDF. Students who are accepted to the deferment program are inducted to the army but their service is postponed until their studies are completed.

IDF provides students in this program with a financial grant each year which usually covers the annual tuition fees.

Application Process

- An applicant is obligated to apply at his local army recruiting office for the academic deferment. The application form can be obtained from the local recruiting office, on the IDF website or in the booklet sent by the IDF to all young men as they approach the age of induction. The application must be submitted by the end of February.

- Applicants to this program are required to take the Psychometric Exam. Please see page 29 for more information about the exam.

Note: The last date for the Psychometric Exam for applicants to this program is April.

- The first screening of students is based on the data that has been submitted to the IDF office, about the applicant. After reviewing this information, the applicant will receive notification regarding his status from the IDF Department of Academic Deferment. If the student received a letter from the army indicating that he has passed Level 1 of the process, the applicant may fill out an application form for Machon Lev and submit it with all required documents to the Registrar of the Department of Academic Deferment, Military Mail 01191, IDF.
- The Department of Academic Deferment stamps the application and forwards it to JCT's Admissions Office.
- Machon Lev reviews the application and accompanying documentation (Psychometric grade, existing Bagrut grades, and the report cards of grades 11 and 12), and invites the student to a personal interview.
- If the student meets all the criteria of Machon Lev, he will be sent a letter of acceptance conditional upon the final Bagrut Diploma and final approval from the IDF Department for the Academic Deferment.
- With the letter of acceptance, the student will receive vouchers to pay the deposit fee for studies and dormitory facilities. Applicants will pay the deposit and begin studies in Elul Semester even if he has not received a final answer from the army. During the Elul Semester, the students participate in important introductory courses necessary to begin academic studies at Machon Lev. If for some reason the IDF later rejects the student, the tuition deposit will be refunded in full.
- The final decision regarding acceptance to this program is dependent upon various personal exams and interviews conducted by the army, final Bagrut scores, and the psychometric exam scores. The IDF ranks the applicants and assigns them to the appropriate professions according to the military's needs.

- The final decision of the IDF will be sent to the applicant in September, after final results of the Bagrut exams arrive. A student who is aware of a delay regarding his Bagrut scores should immediately notify the principal of his high school in order to deal with this as soon as possible. A student who is rejected by the IDF will discontinue studies at Machon Lev and will receive a refund of his tuition deposit.

Note: Students interested in the Atuda Program will be accepted to one of these fields of study:

- Electronic Engineering
- Electro-Optic Engineering
- Software Engineering
- Computer Science
- Industrial Engineering and Management

Atuda Charedit

This program is appropriate for students 18 years of age and older who have a Yeshiva background and, seeking an academic education, are not planning to continue their studies in the framework of a Yeshiva Gevoha.

This program is offered in conjunction with the IDF.

Curriculum

- One year of Mechina (Academic Preparatory Program) to provide background preparation for academic studies – see page 53.
- 4 years of academic studies towards a degree in a technological field
- 5 years military service within the profession of the student's studies, in an environment appropriate for the Charedi population, with such accommodations as kosher l'mehadrin food, separation by gender, tefillot, Shmirat Shabbat, etc.

Acceptance Criteria

- Age 18-20.
- Status of "Torato Umanuto" for no more than two years.
- Admissions interview – this interview will determine the appropriateness of the applicant with regards to the atmosphere of the program (Yirei Shamayim, proper middot, and so forth). To obtain an interview, your application should include a letter of recommendation from a Rabbi at the Yeshiva where you have learned.
- Evaluation workshop

Students who do not successfully pass the Mechina program and are not accepted for studies at Machon Lev will still be able to do their army service through the Nachal Charedi.



Academic Studies for Outstanding High School Students

Exceptionally bright high school students may join some of JCT's academic courses while still studying in high school. Upon receiving their high school diploma, they can apply to continue as a full time JCT student, and will be accepted provided they fulfill all the regular admission requirements. The advance credits they earn during high school will be credited to their first academic year and thereby lighten their load.

A high school student who is interested in attending courses must provide a letter of recommendation from his high school principal. For more information contact JCT's Admissions Office at 972-2-675-1203.



Robotics at Machon Lev

Academic Preparatory Program – Mechina

At Machon Lev and Machon Naveh

Director of the Program: Mrs. Ariela Itzkowitz

Academic Director: Prof. Joseph Steiner

Academic Advisor: Mr. Aharon Stiefel

The Mechina Program at JCT allows students the opportunity to improve their chances of acceptance to the academic program while providing a close preview of the academic framework.

The Academic Preparatory Program operates under the auspices of the Ministry of Education and the Association for the Advancement of Education. The Council of Higher Education recognizes Mechina exams as equivalent to the Bagrut.

The studies in the Academic Preparatory Program are designed to:

- Facilitate acceptance to academic programs for applicants who do not have a Bagrut Diploma.
- Improve students' study habits and motivate the students as is necessary for academic studies.
- Give students a second chance to complete and improve their grades on the Bagrut Diploma, in order to increase their chances of acceptance to academic studies in their selected major. It is possible to complete the regular Bagrut Diploma in the Academic Preparatory Program.
- Acquire broad knowledge in basic subjects, such as mathematics, physics, and English for students who have had no or limited secular education.

The preparatory studies are offered in a warm, family environment with intensive daily assistance from the faculty. The activities are integrated with student life at the Jerusalem College of Technology.

Students excelling in the preparatory program may integrate courses from the academic framework upon the recommendation of the academic advisor.

The final exam schedule is coordinated with the Ministry of Education according to the time schedule of the regular Bagrut exams.

Approximately half of the graduates of the Academic Preparatory Program continue their studies towards a Bachelor's Degree in one of the programs at JCT, and many study at other universities or regional colleges. It is important to note that completion of the Academic Preparatory Program does not guarantee automatic acceptance to the Jerusalem College of Technology. Those who are interested in continuing their academic studies must meet all the criteria for acceptance at the college.

Teaching Faculty

Dr. Pinchas Bar-Gil	Yuri Hoffman
Dr. Ari Willovski	Eliashav Levi
Meir Alfassi	Shmuel Nachmias
Mordechai Amar	Menasha Pietrekovsky
Elisha Buchris	Shraga Preis
Gideon Ben-Ami	Natan Schwab
Emmanuel Ben-Simchon	Noah Tarshish
Dovid Cassel	Moshe Zvi
Shlomo Hadad	



*Studying at
Machon Lev*



*Chavruta Study at
Machon Lev*

Program of Study

Mathematics – 3 or 4 or 5 units
English – 3 or 4 or 5 units
Physics – 3 or 5 units
Geography – 5 units
Civics – 1 unit
Hebrew language and expression – 2 units

Judaic Studies

Judaic studies in the Mechina program are optional, and an applicant who is interested in learning in the Beit Medrash must notify the school at the time of their interview. However, for those who are interested in living in the dormitories, Judaic studies are required.

The Beit Medrash program is varied to enable each student to find his personal study path. Various groups in Judaic studies are created in response to the different levels of students – from individuals that have no religious background at all to those who wish to study in great detail with a study partner.

For more details about the Beit Medrash program at Machon Lev see page 13.

Acceptance Criteria

- 18 years and older
- Psychometric Exam of the National Center for Exams and Evaluations, or the Meimad Exam (the Psychometric Exam for applicants to the Academic Preparatory Program)
- Success in the entrance exam in mathematics and English
- Personal interview with the Director and Advisor of the Mechina

Special Mechina Program for Ethiopians

The aim of this program is to assist in the absorption of Ethiopian immigrants in Israel, and to train them to integrate into the high-tech and technology arenas, as well as in the fields of management. The program aids the students in both their academic and social development by offering a Torah-based world outlook that combines the traditions of the “Betah Yisrael” community.

A preparatory program is available for high school graduates, army veterans and others who want to integrate into academic studies but do not meet the admission requirements such as: Bagrut certificate, psychometric examination, etc.

In the preparatory program:

- Students can complete or improve their grades for courses such as mathematics, English, physics, civics, geography and language. In addition, students can improve grades in other areas with a personal program.
- Students can prepare for the Psychometric Exam.
- There is an option to take courses to prepare for academic studies, including Introduction to Computers, Introduction to Accounting, and so forth.

Students in the preparatory program can integrate academic courses to obtain credits. This option will be weighed according to the Bagrut grades they might have at the time of acceptance to the preparatory program, and with the approval of the Academic Advisor of the Mechina.

Special emphasis is placed on mixing the groups of students in the Mechina with the Ethiopian immigrants. The Mechina offers various social activities with the goal of creating an integrated social atmosphere for the student population.

Academic Studies

A student of Ethiopian origin who does not need the preparatory program can apply directly to the academic faculty of his choice. The staff of the Ethiopian program will be available throughout his academic studies to assist in all aspects of learning at the school, both at the personal and academic levels.

Mechina Program for Charedi Students

The Academic Preparatory Program offers an evening program for students who are interested in continuing with their Torah studies or working during the day, to gain the basic secular knowledge necessary for academic learning.

These courses are from 6:00 – 10:15 p.m. throughout one academic year.

Curriculum

- Studies in mathematics, English, civics, and language.
- Academic courses will be offered as enrichment courses for exceptional students.
- Upon completion of their studies, students will receive a certificate from the Academic Preparatory Program, which will enable them to continue their studies at the Jerusalem College of Technology if they meet all the admission requirements.

Acceptance Criteria

- Must be age 22 or older
- A minimum of 2 years in a Yeshiva Gevoha
- Psychometric Exam (of the National Center for Exams and Evaluations) or the Meimad Exam (the Psychometric Exam for applicants to the Academic Preparatory Program)
- Passing the entrance examination in mathematics and English.
- Personal interview with the Director and Advisor of the Mechina

For information about Atuda Charedit see page 51.



In the Electronics Laboratory

Atidim Chalamish – Charedim Study Practical Vocations

Friends of Atidim, a non-profit organization approached JCT to launch a new program of Atidim for Charedim. The purpose of the program is to encourage Yeshiva students to obtain an academic degree in a practical vocation that will enable them to support their family with honor.

The program is for Yeshiva students, ages 23 – 30, who have no prior education in general studies.

Students who are accepted to the program will begin with studies in the Mechina. Upon satisfactorily completing the Mechina year, they may continue in the academic program of Machon Lev, provided that they meet the admission requirements.

The Atidim organization provides the students with full tuition costs in addition to a stipend for living expenses for the duration of their studies.

To register for any of the Mechina programs:

- To obtain application forms and additional details, please contact the Mechina at Tel: 972-2-675-1260 or 972-2-675-1198, Fax: 02-675-1201, Email: mechina@jct.ac.il
- Applicants must fill out all the forms and submit all the required documents.

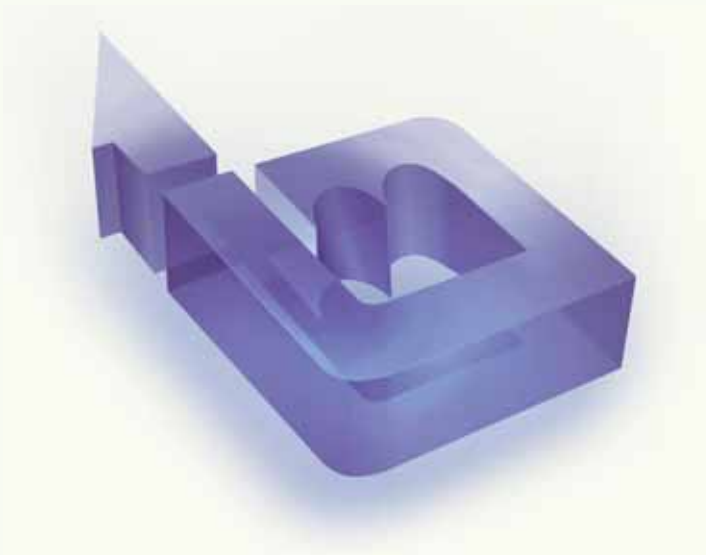
Scholarships for the Mechina program:

The Association for the Advancement of Education supports students in the Mechina program who meet the financial and social criteria established by the Ministry of Education and Ministry of Defense. An IDF veteran who meets the criteria can receive monthly sustenance scholarships from the Ministry of Defense, and likewise can utilize the benefits that are given to discharged soldiers towards his academic studies. Many students also qualify for additional assistance towards tuition, other financial expenses, and dormitory accommodation.



Machon Naveh students in Computer Laboratory

Appendices



APPENDIX A

Calculating the weighted Bagrut average including bonuses:

The guidelines below are given in order to help calculate the Bagrut average of someone who has an Israeli Bagrut Certificate.

The weighted Bagrut average will be calculated according to bonuses given in certain subjects at the level of 4 units or more, according to the following:

For a Bagrut exam of 4 units, a bonus of 12.5 points will be awarded and 25 points will be awarded for 5 unit Bagrut exams in the following subjects:

Comprehensive Technology	Talmud
English	Tanach
Mathematics	Torah She'Ba'al Peh (Oral law)
Physics	

For a Bagrut exam of 4 units, 10 bonus points will be given, and for a Bagrut of 5 units, 20 bonus points will be given in the following areas:

Accounting	Electro Optical Systems
Agricultural Biology	Electronic Systems
Analyzing Systems and Organizing Files	Electronics
Applied Optics	Electronics and Communications
Artificial Intelligence and Expert Systems	Electronics and Computers
Biology	Electro-Optics
Bio-Technological Systems	Engineering Science
Bio-Technology	Finance
CBM Systems	Industrial Chemistry
Chemical Technology	Life Science
Chemistry	Life Science and Agriculture
Command and Control Systems	Management
Communication and System Management	Management Application Design
Communications for Computers	Management Applications
Computer Control and Equipment	Management System Design
Computer Monitoring	Managing Manufacturing
Computer Science	Microbiology
Computerized Monitoring Systems	Programming and Manufacturing Systems
Computers	Programming Systems Design
Computers and Systems	Software and Hardware Systems
Computing Science	Technological Science
Control Systems	TBM Systems
Economics and Management	Theoretical Foundations of the Computer
Electric Systems	Thermodynamics
Electrical Science	Training and Evaluation Systems
Electricity	

- Bonuses are awarded for a grade of 60 and above in each specified field.
- After the bonus is added to the grade, multiply the grade by the number of learning units studied in the specific subject.
- Add the multiplication results.
- Divide the total received by the total number of learning units studied. This gives you the weighted average for the Bagrut.

See the example in Appendix B – Calculating the Compatability Grade.

APPENDIX B

Calculating the Compatability Grade

Calculating the Compatability Grade is based on the weighted Bagrut average and on one of two of the following grades: Psychometric or TIL Exam grades (the higher or the most available, according to the choice of the applicant).

Calculating the Compatability Grade is based on the following:

$(0.02 \times \text{Psychometric/TIL}) + (0.35 \times \text{weighted Bagrut average}) + 35.703 = \text{Compatability Grade}$

The Compatability Grade established by JCT for acceptance is 79.

Below is a sample of calculated weighted averages and the Psychometric or TIL:

Subject area	Units	Grade	Bonus	Grade + Bonus Units
Jewish History	2	76		152
Jewish Thought	2	72		144
Tanach	4	84	12.5	386
Talmud	5	82	25	535
Literature	2	79		158
Hebrew Expression	2	75		150
English	5	94	25	595
Civics	1	74		74
Mathematics	4	80	12.5	370
Total units	27			2564
Psychometric Score	675			Average weighted 94.96

Plug in:

$(675 \times 0.02) + (94.96 \times 0.35) + 35.703 = 82.44 = \text{Compatability Grade}$

