The Tzvi Mitrov Program for Technological Innovation is a new program that offers participants unique opportunities to be exposed and to investigate the legal, ethical, economic, and social implications of technological change, including new technologies and developments, and to contribute to public discussion on these issues by conducting research and formulating policies.

The program includes the following components:

- Courses and workshops in the fields of science and technology, law, and state, and lectures by experts and leaders in these fields. In their context, students will be taken on special tours and meet with figures in the field of high-tech, biotech, and green-tech.

- Symposia, round tables, and conferences in which students will be exposed to new technologies that challenge the regulations of the day and obligate new thinking about regulations in the future.

- A research project that will examine the legal, ethical, and social aspects of new technologies and developments. The completion of the research work will be manifested in scientific articles, position papers, preparation of friend of the court petitions, and promotion of legislative proposals, among other things.

The annual program (Semester A and B) is conducted under the guidance of Professor Dan Greenbaum, the head of the program, and is intended for outstanding students from all faculties in their sixth year of study, and for law students from the third year of study. Admission to the program is based on academic and personal achievements and is usually at a level of 85 and above, with a personal interview. The number of places is limited to 18. Students who will receive a certificate at the end of the academic year are examined in English, including research and team work.

The program is a full-fledged program that is based on a package of academic courses with a total of 100 credits, 80 of which are certified for the degree (instead of a selection of legal courses) and the average grade awarded in all courses (with a total of 100 credits) is considered in the final grade for the degree.

Half of the credits of the program are divided as follows: 18 credits are divided between two courses of 20 credits each, one in each semester, and a research project conducted annually and 40 credits. In research, students will work in small groups on the field of high-tech, biotech, and green-tech. In order to complete the project, students will be required to invest 6 hours per week in addition to formal hours and after work hours. Moreover, students will attend a technological seminar (20 credits) that is not included but is considered in the final grade for the degree.

The program is conducted in English, including research and team work.

Program: 10 credits: The Program Package:

1. In the package, the following courses are included:

- 8 credits in the field of green-tech, 2 credits in the field of high-tech, 2 credits in the field of biotech, 2 credits in the field of green-tech, and 2 credits in are considered in the final grade for the degree.

2. A total of 100 credits of the program are examined in English, including research and team work.
The program aims to provide students with a unique and enriching opportunity to examine the legal, ethical, and social challenges of new and emerging technologies. This innovative program affords advanced students with an unparalleled opportunity to actively contribute to the public discourse on these issues with the ultimate purpose of influencing academic scholarship, shaping public policy, and even drafting laws and regulations.

This is a year-long English language program, open to exceptional students from all schools in their final year of study, as well third year law students. In order to apply to the program, students must have an 85 GPA (minimum). No legal or technical background is required. Those students deemed to be qualified for the program will be invited for an interview.

Over the course of the year, students will have the opportunity to:

- Interact personally with industry leaders, as well as government officials and NGOs.
- Educate and inform the public on issues associated with disruptive technologies through developing symposiums, round tables, workshops and conferences.
- Examine the legal, ethical, and social aspects relating to new and emerging technologies. Students will research these challenging issues, publish position papers, formulate amicus briefs and draft relevant statutes.

The program is 10 credits and will comprise two parts:

- 4 credits will be granted for academic course work and will be awarded according to the course of study and the relevant school. The academic course work will be further divided into three parts:
  1) 2 credits for a general introductory course on the field of the examination of the ethical, legal and social implications of technologies;
  2) 2 credits for a Law and Technology course (please note: neither a background in law, nor a background in technology is required);
  3) 2 additional credits (extra credits) for a technology workshop. The technology workshop comprises of talks by local and international guest speakers, on a bi-weekly basis. The speakers are experts in the field of technology, law, science, and ethics and will share their personal success stories in an intimate and informal session. **The 2 credits, are not counted towards the student’s absolute credit requirement for their degree; however, these credits will be factored in as an accredited course by the registrar when determining grade point averages (GPA).**

- 4 credits are granted for a yearly research project. Students will be divided into small groups where they will choose from real-world projects in the fields of Hi-Tech, Bio-Tech and Green-Tech.

  The program will also include local tours of relevant Israeli industries, affording the students a unique opportunity to make contact with leading figures and organizations in these fields.

**Students will need to commit 5-7 hours per week to work on the yearly research project outside of class.** Students are expected to devote equal effort and attention to all their work regardless of how the administration breaks down the final credit counts.

Upon completion of the program, students will receive an official certificate.

Dov Greenbaum is the Director of the program and of Zvi Meitar Institute for Legal Implications of Emerging Technologies.

PART I: Academic Courses – 6 credits (4 out of the 6 credits are granted towards your credit requirements).

❖ Introduction ELSI of Science and Technology (Dr. Dov Greenbaum, Academic Program Director) - 2 cr.
This course will look to the historical underpinnings of studying ethical legal and social implications (ELSI) of science and technology and discuss in depth how such a study can be valuable to society as a whole. With this framework established, the course will also look to both established and current technologies to see where ELSI issues arise and where and how ELSI intervention may be useful or not. The course will seek to provide the necessary foundation to develop the skill set for examining many new and emerging technologies in light of their legal, ethical and social implications.
Semester A - Exam

❖ Technology and Law (Dr. Dov Greenbaum, Academic Program Director) - 2 cr.
The goal of the course is to introduce students who may not have either a science or a law background to the legal issues associated with technologies. As our lives become more enmeshed in unprecedented technological innovations, we as a society are faced with novel legal issues that will affect us independent of our particular legal bent.
The course will discuss many innovative technologies such as robotics and AI, genetics, the internet, virtual reality, Fintech and 3D printing and the legal issues that we are likely to confront. The course syllabus will be dynamic, representing current events or student choices.
The class will focus on employing media from popular culture to enhance the in-class debate
Semester B – Take Home Exam

❖ Emerging Technologies Workshop (Dr. Dov Greenbaum, Academic Program Director) - 2 cr. that are not counted towards the student absolute credit requirements but will be factored in as an accredited course by the registrar when determining grade point averages (GPA).
The workshop will host weekly/bi-weekly guest speakers, comprising local and international experts in one or more of the fields of technology, law, science and ethics, who will share their personal success stories in intimate and informal sessions.
Students will be required to prepare short position papers to be submitted throughout the year. Furthermore, students will also have the opportunity to summarize lectures of speakers at various conferences/events/tours and to write blogs on diverse technologies as well as the legal, ethical and social implications of these technologies.

PART II – Student Project

❖ Yearly Research Project (Dr. Dov Greenbaum, Academic Program Director) - 4 cr.
A year-long research project in which students gain practical experience. Projects may be in the form of a white paper, amicus briefs, proposed statutes and regulation, or academic research that could be presented to the relevant institution. Students form teams and work on their projects throughout the academic year with the guidance of program faculty, mentors and industry experts.

Law students: Law students could choose one of the following options for the breakdown of the 8 credits that are granted towards the student’s degree: **

<table>
<thead>
<tr>
<th>Option 1</th>
<th>Option 2</th>
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<tbody>
<tr>
<td>4 credits Legal Elective</td>
<td>2 credits Legal Elective</td>
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<tr>
<td>2 credits Legal English</td>
<td>4 credits Legal English</td>
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<tr>
<td>2 credits Legal Seminar</td>
<td>2 credits Legal Seminar</td>
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</tbody>
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** For students of other schools, accreditation has been determined by the Dean of each school and students may send an email to inbar.carmel@idc.ac.il for additional information.