FULL SCHOLARSHIPS
FOR OUTSTANDING STUDENTS FROM CHINA

特拉维夫大学
TEL AVIV UNIVERSITY SUMMER INSTITUTE 2014

JULY1- JULY 26, 2014

CYBER SECURITY IN THE START-UP NATION

This new and unique program will enable students to gain know how from the proven creativity, innovation and quality of Israeli science and technology. Over the past few years, Cyber Security has become of utmost importance in our global world. Israel in general and Tel Aviv University specifically have taken over a critical role as leaders in the field of Cyber Security.

The courses have been built to suit students from the exact sciences as well as those students with other backgrounds such as Humanities, Social Sciences and Law. Together, Israeli and international students will study and discuss issues of the cyber world and the cyber warfare.

Beyond the two top-level academic courses, students will participate in an exciting social and cultural program.

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CYBER SECURITY IN THE START-UP NATION

SUMMER INSTITUTE

FUNDAMENTAL TECHNOLOGIES OF CYBER SYSTEMS

Amit Kleinman (3 credits)

The purpose of this course is to explore many fundamental technologies of cyber systems by providing an overview of many topics. The topics included are the following: cyber security objectives, computer structure limitations and vulnerabilities, communication networks, the evolvement of the internet and its operational model, protocols and their vulnerabilities, the web network and its inherent dangers, cloud computing and associated security challenges, fundamental cryptography and tools, common attacks, attack infrastructures, and defense (protocols and tools).

GENERAL INTRODUCTION TO PROGRAMMING

Amir Rubinstein (2 credits)

Computers and computer communication have experienced a revolution in the last 30 years. Following this technological revolution, computers are widely used in most modern societies, and in fact society itself has been changed in many non-technological aspects.

Most users of computers and powerful processors (e.g. in smart phones) are not aware at all of what happens "under the hood".

In this course, we will introduce some of the elegant concepts and ideas underlying Computer Science. We will demonstrate course topics using a modern programming language called Python.

CYBER SECURITY IN THE START-UP NATION

ADMISSION AND SCHOLARSHIP

The application process is done entirely online
The following will have to be submitted:

- Official transcript – general grade point average requirement of 80 on a scale of 100, or 3.0 on a scale of 4.0
- Two academic recommendation letters
- Demonstrate command of English: TOEFL test results (minimum score: written 582, computer-based 223, or iBT 89) or the IELTS test (minimum score: 7)
- Application fee of USD60

Under a unique Israeli Government Sponsorship, excellent students from China will receive a scholarship covering full tuition costs for the program, including housing in Tel Aviv University student accommodation.

HOUSING AND FACILITIES

Students will be placed in our renovated dorms, adjacent to the Tel Aviv University campus. Dormitories are divided into suites of two bedrooms shared by two students per bedroom. Each suite is furnished and includes an air conditioner, cable TV, wireless, kitchenette and bathroom.

SERVICES AND SOCIAL LIFE

Outside of the classroom, an extensive program of cultural and social events gives students the chance to experience all that Tel Aviv and Israel have to offer. You will enjoy the following:

- Orientation day before the start of the program
- Organized excursions to cultural destinations and subject-related sites of interest
- Social activities including on-campus events, museum visits, city tours and more
- 24/7 support from our madrichim (social counselors), living in the dorms with the students
- Health insurance
- Access to our libraries and other on-campus services

APPLICATION DEADLINE
APRIL 30, 2014

ABOUT TEL AVIV UNIVERSITY

Tel Aviv University is Israel's largest and most comprehensive university, attracting talented students and renowned faculty from around the globe. Ranked among the world's top 100 universities, the university has a strong interdisciplinary focus and collaborates closely with leading institutions worldwide. The campus is located in Tel Aviv, the financial and technology capital of Israel – which is known for its entrepreneurial atmosphere and large number of start-up companies. With the growth of high-tech industries, the Tel Aviv metropolis has become an international hotspot for business and innovation – an ideal setting for an enriching study experience.

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