INTERNATIONAL Courses are subject to change. For information and updated dates please refer to our website.

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).

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.

Courses are subject to change. For information and updated dates please refer to our website.
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 exams: TOEFL test results (minimum score: written 582, computer-based 223, or iBT 89) or the IELTS test (minimum score: 6.5)
• Scholarships are only offered to currently enrolled students in a university in China
• Application fee of $60
Under a unique Israeli Government Sponsorship, excellent students from China will receive a Partial Scholarship, covering most of the fees: students need to cover $880, in addition to the $60 application fee.

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, 2018

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. Scoring high in global rankings, the university has a strong interdisciplinary focus and collaborates closely with many leading institutions in the USA and Europe. The campus is located in Tel Aviv, the financial and technological 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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