



Institute for Color Science  
and Technology



**There is no boundary so  
think outside the box**

Study guide for  
applicants (2019)

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## About Iran



### 1. Iran

Iran (known as Persia until 1935) is a country in middle east which extends from Caspian sea in the north to the Persian gulf in the south. Iran has over 80 million inhabitants embodying various climates with spectacular geographical sites,

## About Tehran



### Tehran

Tehran is the capital of Iran and the most populous city in Iran including hilly parts, urban area, etc. Tehran has always gained the tourists' attention due to wealth of cultural aspect. Tehran is comprised of miscellaneous ethnic groups.



## About ICST



### 2. ICST

ICST established on 1997 as a platform for color, colorants and coatings' technology In Iran. ICST is companioned by competent of academic staff aiming cultivation of specialized graduates and bilateral interactions with industry. ICST steadily rose through the ranks and is now fourth among the research institutes in Iran according to Scimago rankings.

The aims of ICST are as follows:

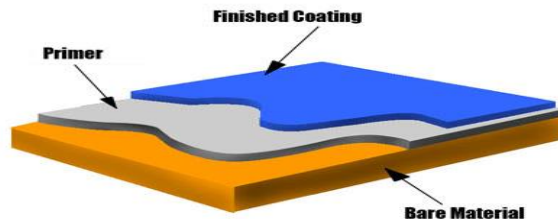
- Research development in the field of color and coating in line with scientific authority.
- Providing appropriate prerequisites which leads to promotion of research activities.
- Development of technologies and innovations.
- Commercialization of achievements related to color and coating' s science.

### 2.1 Faculties and departments

#### 2.1.1. faculty of surface coating and novel technologies

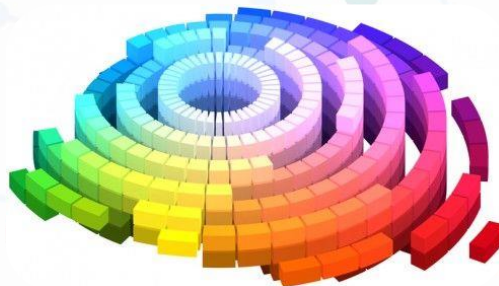
Department of surface coating and corrosion  
Department of resin and additives

Department of nano materials and nano coatings



#### 2.1.2. faculty of dyes and pigments

Department of organic colorants  
Department of inorganic pigments and glaze  
Department of environmental research



#### 2.1.3. faculty of color physics

Department of color control and color reproduction  
Department of color imaging and color image processing  
Department of printing science and technology





## 2.2. Facilities

- Brookfield viscometer
- Semi- industrial pilot reactor
- Rotary evaporator
- Pump drive
- Laboratory reactors
- Ultrasonic bath
- Homogenizer
- Spin coater
- Electrochemical impedance spectroscopy (EIS)
- Polarization
- Electrochemical noise measurement (ENM)
- Humidity Chamber
- Gel Permeation Chromatography (GPC)
- Three Roll Mill
- UV curing cabin
- Ink jet printer
- Laser jet printer
- Ink Rub Tester
- Magnetron Sputtering Device
- Electrophoresis Coater
- Laser particle size analyzer
- Langmuir-Blodgett Device
- Atmosphere controlled high temperature furnaces
- Spray drier
- Color fastness measurement instruments
- Incubator shaker
- Spectrofluorometer
- Solar simulator
- Gas Pycnometer
- Planetary mill
- Box Furnaces (1200 °C-1500 °C)
- Polarizing microscope
- Autoclave
- Gradient Furnace (1250 °C)
- Elevator Furnace (1500 °C)
- Tube furnaces (1600 °C)
- TOC analyzer
- COD reactor
- Atomic absorption (Flame/Furnace)
- Ion chromatograph
- UV-Vis spectrophotometer
- Potentiostats (Electrochemical testing)
- BOD meter and incubator
- Electroris (Labscale Electrospinning Unit)
- Standard colored samples
- Konica Minolta CS2000
- Thorlabs Monochrom CCD
- Standard Light Cabinet
- TES-133 Luminous Flux Meter
- EIZO CG243W Display
- Hunterlab Minisacn spectrophotometer
- EYE-One spectrophotometer
- Profiling Package for Imaging devices
- High-pass Dichroic Filters
- Ocean Optics NIR Quest 256
- Professional Digital Cameras
- Gretag-Macbeth Color-Eye 7000A Spectrophotometer
- Analytik Jena Specord 250 UV-Visible-NIR Spectrophotometer
- Gretag-Macbeth Color-Eye 741GL Gonio Spectrophotometer
- Avian Ceramic Color Standards BCRA-14-02c8H Sets)
- Gretag-Macbeth Light Spex Spectroradiometer
- Farnsworth Munsell 100 Hue Color Vision Test
- Novo Gloss I.Q. Goniophotometer
- Ihara Spectrocam spectrophotometer
- TGA/ DTA
- Atomic force microscopy (AFM)
- Scanning electron microscopy (SEM)
- Differential scanning calorimetry (DSC)
- Thermal mechanical analyzer (TMA)
- Xenon accelerated Weathering chamber
- Dynamic Mechanical Thermal Analyser (DMTA)
- Four point probes
- Ultrasonic homogenizer
- Vacuum oven
- Surface tension and surface energy measurement (Contact angle and Wilhelmy method)
- Abrasion resistance tester
- Salt spray
- Powder coatings application system

### 3. Prerequisites of travelling to Iran

Before living your home country, you may need to gain some information on Visa, health insurance, etc.

### 4. Inhabitancy in Tehran

## Inhabitancy in Iran

#### restaurant

Meal, inexpensive restaurant

2.74 \$

Water (0.5 liter bottle)

0.11 \$

#### markets

Milk (regular) 1 lit

0.39 \$

Loaf of fresh white bread

0.15 \$

#### transportation

On- way ticket ( subway)

0.09 \$

Gasoline

0.15 \$

#### leisure

Cinema

1.56 \$

Apartment 55 m<sup>2</sup>( 1 bedroom)

400 \$

### 4.1. Cost of living

The cost of living is relatively low for expats but as the highest expenses in Iran are dedicated to accommodation, this item should be accounted into your budget unless you decide to live in a dorm room. The cost of eating out is modest regardless of variable cost of different restaurants.

During your exchange program, you may use the dormitory of male students but unfortunately, ICST can not offer dorm rooms for female students so they should afford accommodation. Exchange students may also use the ICST's restaurant which offer good food at low cost.

### 4.2. Transportation

When it comes to transportation, there will be no worries. You may use public transportation at low cost or may prefer to take a shuttle taxi. Meanwhile there are ride – hailing platforms which help you hailing a taxi near you at an affordable price. If you don't wish to get stuck into traffic, for long distances within a metropolis such as Tehran, subway can also come in handy.

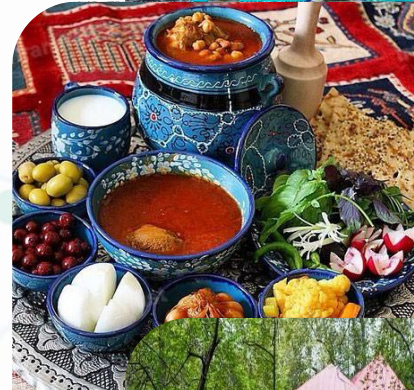


### • 4.3. Bank account and SIM card

There is possibility of having a bank account in Iran with introduction letter from ICST. This can be done after visa is formally granted. In order to set up a bank account, you will be asked to provide an initial deposit, basic information, photo and the expense of your debit card.

Just after your arrival at airport, you can buy a visitor SIM card which has been already activated. The registration of SIM card will be done using your passport ID number. You may choose the package which suites your needs, among various packages offered by the data operator.

“Visitor SIM” enables you to make domestic and international calls, send and receive SMS and benefit from 4G Internet.



### 4.4 Leisure

Depending on your mood, you may add different items to your trip bucket list:

- Relaxing at hilly parts
- Visiting historical places (Golestan palace, Sa'dabad palace, Moghaddam museum, etc)
- Going to landmarks ( Milad tower, Tabiat bridge, Darakeh, Mellat park, Jamshidie stone garden, Chitgar lake, Tochal complex, etc
- Going to traditional locations (Café, restaurants, etc)
- Trying savory cuisine of Iranians
- Going to cinemas and theaters
- Attending concerts and entertaining shows
- Go shopping ( Bam Land, Kurosh, Modern Elahie, Mega mall, etc)



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