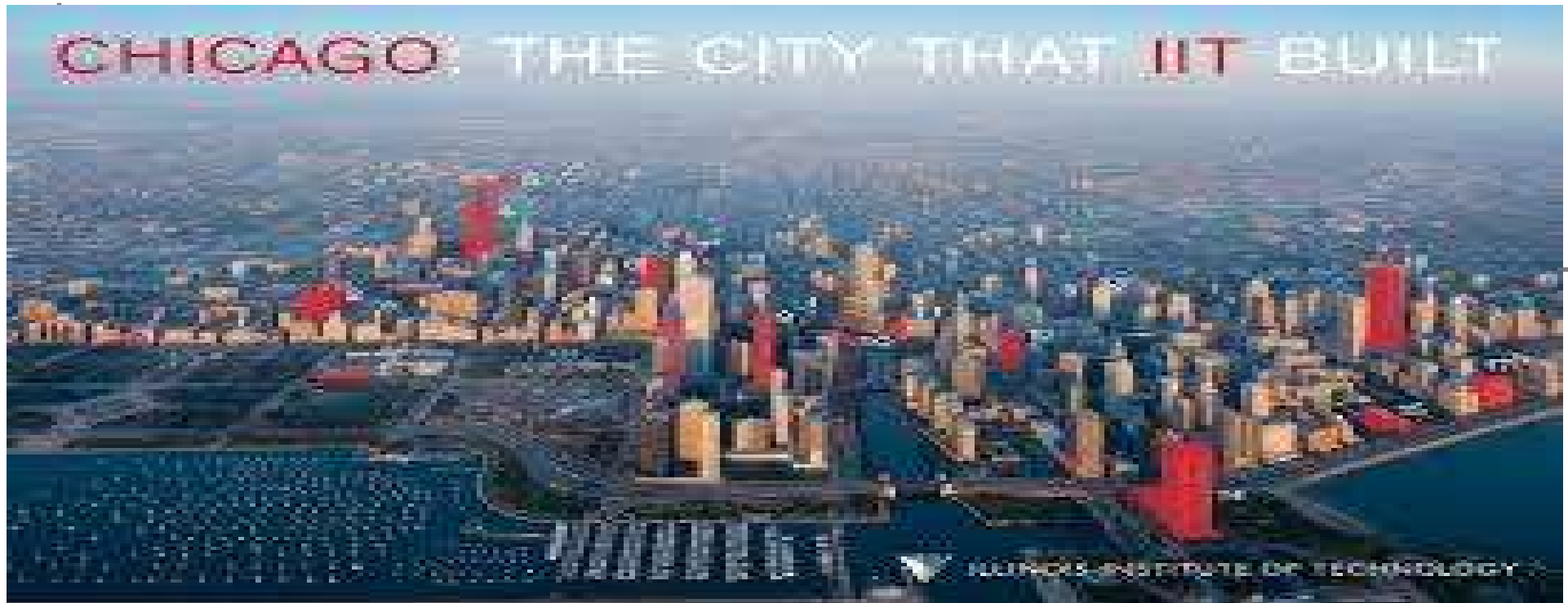




Illinois Institute of Technology  
Chicago, U.S.A.  
[www.iit.edu](http://www.iit.edu)

**Presented by:**  
**Dr. Vanita Misquita Ph.D.**  
**Director of Overseas Programs**  
**[europa@iit.edu](mailto:europa@iit.edu)**



3<sup>rd</sup> largest city in the U.S.  
35 miles of lakefront, 15 miles of bathing beaches  
552 parks, 46 museums, 7000 restaurants  
#1 in the U.S. in manufacturing  
#1 in the U.S. in nanotechnology





# Our Location

**IIT: Illinois Institute of Technology**  
**Location: Chicago, Illinois**





# **Illinois Tech**

## **“A vibrant campus in a global city”**

Illinois Institute of Technology





WHERE WILL YOU LIVE? »

Illinois Institute of Technology



## 8 Colleges/Centers/Institutes à I.I.T.

---

- **Armour College of Engineering and Science**
- **College of Architecture**
- **Lewis College of Human Sciences**
- **Stuart School of Business**
- **Chicago-Kent College of Law**
- **Institute of Design**
- **School of Applied Technology**
- **College of Science**





# The IIT campus – Winter & Spring







# The Campus







# IIT SPORTS

Mascot: **SCARLET HAWKS**



**ILLINOIS TECH**  
**SCARLET HAWKS**



Illinois Institute of Technology





# Why Study at IIT

---

- **National Hub for the « Perfect Grid » & International hub for hybrid-electric vehicles**
- **Location in Chicago – 3rd largest city in the U.S. – job opportunities**
- **Cutting-edge research with 2 world famous labs – Argonne National Lab & Fermi Lab in the Chicagoland area**
- **Possibility to complete a Master's degree in 1 year ( 12 months) without adding an extra year to your studies**
- **No quotas at the Master's degree level – 9 ch scholarship (\$13,770) offered to those who qualify for admission to IIT – no quota**
- **F1 visa allows students to work for 12 months in the U.S. in their field of study after the degree from IIT, and extend the work possibility to another 24 months if the field is under the STEM category**



## OTHER STATISTICS

---

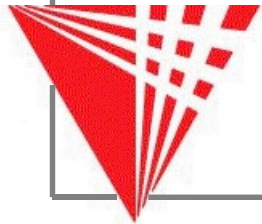
- Ranks 96 among Best Colleges in the U.S. 2018 edition

<https://www.usnews.com/best-colleges/illinois-institute-of-technology-1691>

- Ranked #22 in the US –Best Master's program in Finance by TFE

<https://tfetimes.com/best-finance-program-rankings/>





# Illinois Institute of Technology

---

**Member of the Association of Independent  
Technological Universities**

**[www.theaitu.org](http://www.theaitu.org) ( 22 membres)**

**I.I.T.**

**Carnegie-Mellon**

**CalTech**

**M.I.T.**

**Case Western Reserve ...**

## **MISSION OF THE AITU:**

- **Recruiting the best and the brightest to member schools by promoting the liberating experiences and rewarding careers that a technology-oriented education offers; and**
- **Fostering and advancing excellence in engineering, science and professional education from K-12 onward.**
- **Sharing ideas and best practices to advance and inspire creativity, innovation and entrepreneurship within the membership**



# Motto of IIT

---

ILLINOIS INSTITUTE  
OF TECHNOLOGY



*Transforming Lives. Inventing the Future.*





# MAJOR IIT INVENTIONS BY ILLINOIS TECH'S ALUMNAE



BAR CODE  
PRINTER  
IIT  
alumnus  
Ed Kaplan



*Magnetic tape data storage*

MAGNETIC TAPE  
IIT Alumnus  
Marvin Camras

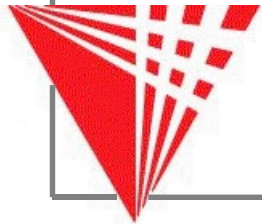
CELL PHONE  
IIT alumnus  
Marty Cooper



ArrayComm®



IIT Technology



# **Marvin Camras (Alumnus of IIT)**

## **IIT B.S. EE 1940; M.S. EE 1942**

### **Inventor - Magnetic Tape**

---

**Born in Chicago in 1916, Camras was known to his family as an "inventor" by the age of five**

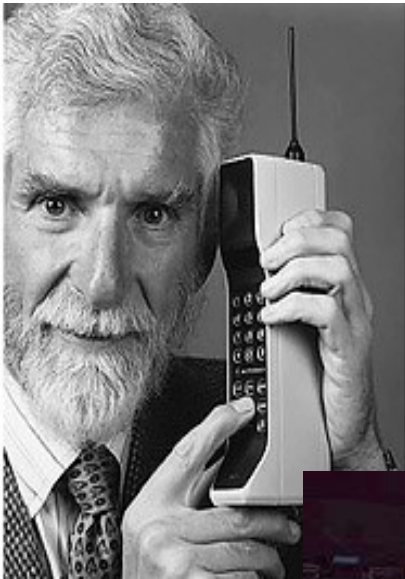
**In the late 1930s, Camras was studying electrical engineering at the Armour Institute of Technology (now **the Illinois Institute of Technology**).**

- **Camras spent a fifty-year career at Illinois Institute of Technology, where he taught until 1994.**
- **By the time of his death in 1995, he had earned over 500 US and international patents for his work. He was inducted into the National Inventors Hall of Fame in 1985, and in 1990 he won the National Medal of Technology.**





# **Marty Cooper ( Alumnus of IIT (B.S. EE 1950; M.S. EE 1957) Inventor – Cell Phone**



**1st Cell Phone – 1973  
(« The Brick ») –weighed  
2.5 pounds!!  
Named one of the best  
inventors of all time for his  
work on the first personal  
cell phone in the "Best  
Inventions of the Year"  
article in the October 30  
Time Magazine 2007**

**2nd invention – A new wireless  
Internet system called  
**iBURST**  
that puts high-speed data  
transmission at your  
fingertips!!**





## **Ed Kaplan (Alumnus of IIT) (B.S. ME 1965) Inventor of the Bar Code printer**

---

- **CEO and Chairman, Zebra Technologies**
- **Ed Kaplan, one of Chicago's most successful technology entrepreneurs, studied at IIT, where he graduated with a bachelor's in mechanical engineering**
- **At 26 years old, Kaplan he co-invented the Bar Code printer called the « Zebra » and also created the first thermal transfer printer to print barcodes directly on products**



## Partners

---

### SPAIN:

- **Universidad Politecnica de Madrid  
(UPM – ETSIT, ETSII, ETSIA, ETSIAE, ETSICCP, ETSIIInf, ETSAM)**
- **Universidad Politecnica de Catalunya  
(UPC – ETSETB, ETSEIB, ETSAB, ETSCCPB, ETSEEIAT, FME)**
- **Universidad Politecnica de Valencia  
(UPV – ETSA, ETSII, ETSIT, ETSICCP & ETSIAMN)**
- **Universidad de Seville**
- **Universidad Pontificia Comillas, Madrid**
- **EHU Bilbao –Universidad del Pais Vasco (UPV)**



## Program Options

---

### **Graduate level**

- I. Double degree Master's program in 1 year for ETSETB, ETSEIB, ETSEEIAT, FME, FIB & Camins
- II. Research (TFM) for a period of 6 months or upto 1 year maximum, for the above schools
- III. Non-degree visiting & Exchange  
(For students from Camins & ETSAB)
- IV. Graduate Doctoral degree program option –early consideration  
November FME & ETSETB-UPC only





## Program Options

---

### **Undergraduate level**

V. Undergraduate Exchange & Visiting  
(ETSAB & Camins-UPC only)



## Departments @ IIT

---

### **Armour College of Engineering**

Dept of Mechanical, Materials & Aerospace Eng ( ESEEIAT-UPC)

Dept of Biomedical Engineering ( ETSEIB, ETSETB-UPC)

Dept of Electrical & Computer Engineering ( ETSEIB, ETSETB, ESEEIAT-UPC)

Dept of Civil, Architectural & Environmental Eng ( Camins-UPC)

Dept of Chemical & Biological Eng ( ETSEIB-UPC)

### **School of Applied Technology**

Dept of Information Technology & Management ( ETSEIB, ETSETB, FIB-UPC)

Dept of Industrial Technology & Operations ( ETSEIB, ESEEIAT-UPC)

### **College of Science**

Dept of Computer Science ( FIB, ETSETB-UPC)

Dept of Applied Mathematics (FME-UPC)



# Departments @IIT

---

## College of Science

Dept of Computer Science ( FIB, ETSETB-UPC)

Dept. Of Physics ( M.S. in Applied Physics)\*\* ( ETSEIB, ETSETB-UPC)

Dept. Of Biology

Dept. Of Chemistry

Dept. Of Applied Mathematics ( FME-UPC)

## CHOICE OF MASTER'S MUST BE PRE-APPROVED BY UPC

\*\*Applied Physics trains engineering students seeking careers in the area of nanotechnology also trains students interested in optics, laser technology, semi-conductors, nuclear energy, nanofabrication, biotechnology





## What is a U.S. credit hour?

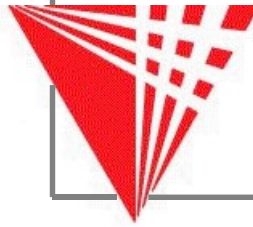
---

- 1 U.S. credit hour equals 1 contact hour of lecture
- A graduate level course at IIT is usually 3 credit hours
- 3-credit hour course at IIT means that the course is offered three times per week or once a week for (3 c.h. x 1 hour) 3 hours



## Procedure for the Master's double degree program

- Year 5 &/or 6 for ESEEIAT, others, year 6
  - FME – Year 4.5
  - TOEFL min. 90 ibt or IELTS min. 6.5
- GRE general revised exam score minimum for the department
  - Application deadlines:  
*Fall semester: April 15, or,  
Spring semester: October 15*
- Final decision made by Illinois Tech

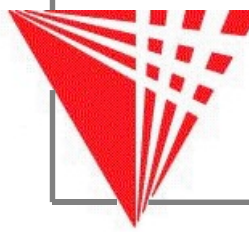


# New majors for Fall 2018 – Graduate Level

---

- Master of Energy Systems ( 30 c.h.) (ETSEIB, ETSCCPB)  
<https://engineering.iit.edu/programs/graduate/master-engineering-energy-systems>
- Urban Systems Engineering ( ETSEIB, ETSCCPB)  
<https://engineering.iit.edu/programs/graduate/master-engineering-urban-systems-engineering>
- Engineering Management ( ETSEIB, ETSETB, ETSCCPB)  
<https://engineering.iit.edu/programs/graduate/master-engineering-management>
- Master of Engineering in Advance Manufacturing ( ETSEIB)  
<https://engineering.iit.edu/programs/graduate/master-engineering-advanced-manufacturing>
- Master of Computational Engineering ( ETSETB, ETSEIB)  
<https://engineering.iit.edu/programs/graduate/master-computational-engineering>
- Master of Pharmaceutical Engineering ( ETSEIB)  
<https://engineering.iit.edu/programs/graduate/master-pharmaceutical-engineering>

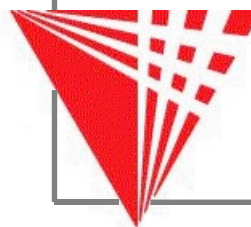




## **New Interdisciplinary Majors @IIT** **30 credit hours ( c.h.)**

---

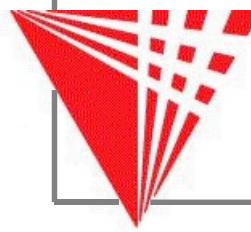
- **Master of Engineering Management**
  - Product Design & Dev Track (MMAE)
  - Project Management Track (CAE)
- **Master of Eng in Advanced Manufacturing**
  - Additive Manufacturing Track (MMAE)
  - Digital Manufacturing Track ( MMAE)
  - Automation & Control Systems ( ECE)



## **New Interdisciplinary Majors @IIT** **30 credit hours ( c.h.)**

---

- **Master of Computational Engineering**
  - Computational Chemical Eng Track (CHBE)
  - Computational Mechanics Track ( MMAE)
  - Biomedicine Track ( BME)
  - Optimization Machine Vision & Decision-Making Track ( ECE)
- **Master of Pharmaceutical Engineering**  
( CHBE)

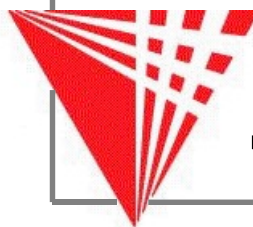


# **New Interdisciplinary Majors @ IIT (30 credit hours ( c.h.))**

---

- **Master of Engineering in Energy Systems**
  - Energy Conservation & Buildings Track ( CAE)
  - Energy Generation & Sustainability Track  
( MMAE)
  - Energy Transmission & Markets Track ( ECE)





## **New Interdisciplinary Majors @ IIT** **30 credit hours (c.h.)**

---

- **Master of Engineering in Urban Systems**
  - Monitoring & Control of Urban systems track ( CAE)
  - Urban Transportation Systems Track ( CAE)
  - Urban Building Systems Track ( CAE)



## OUTCOME

- ✓ 6th year at Illinois Tech
- ✓ 5<sup>th</sup> year (FME/ESEEIAT) at Illinois Tech
- ✓ Master's in 1 year (12 months)
  - ✓ Includes TFM
  - ✓ 2 degrees  
( IIT Master's and UPC Master's equivalent)



## **MASTER'S DEGREE at IIT - GRADUATE**

---

**Master's degree = 30, 32, 33 or 34 credits**

**(Each course usually equals 3 hours )**

**i.e. 3 contact hours per week with a professor)**

**32 credits = ~11 courses**

**Transfer of credit of 2 courses (validated by IIT)**

**= less 6 credits**

**M.S. at IIT in 1 year (2 semesters)**

**34 - 6 = 28 credits ( U.S.)**

**33 - 6 = 27 credits ( U.S.)**

**32 - 6 = 26 credits (U.S.)**

**30 - 6 = 24 credits (U.S.)**





# Academic Calendar

---

## Fall Semester

**Mid-August – mid-December**

**( Recommended deadline – 15 April)**

\* \* \* \* \*

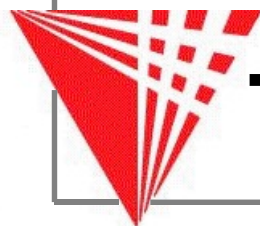
## Spring Semester

**Mid-January – mid-May**

**(Recommended deadline – 15 October)**

**[Web.iit.edu/registrar/academic-calendar](http://Web.iit.edu/registrar/academic-calendar)**





# **TOEFL & IELTS TEST DATES & LOCATIONS IN SPAIN**

---

## **TOEFL TEST DATES & LOCATIONS IN SPAIN**

[https://www.ets.org/bin/getprogram.cgi?urlSource=toefl&newRegURL=&test=TOEFL&greClosed=new&greClosedCountry=China&browserType=&toeflType=&redirect=&t\\_country1=group\\_Spain](https://www.ets.org/bin/getprogram.cgi?urlSource=toefl&newRegURL=&test=TOEFL&greClosed=new&greClosedCountry=China&browserType=&toeflType=&redirect=&t_country1=group_Spain)

**Cost: \$245 - Year 2018**

## **IELTS TEST DATES & LOCATIONS IN SPAIN**

<https://www.britishcouncil.es/en/exam/ielts/dates-fees-locations>

**Cost: 216 Euros – Year 2018**



# TOEFL OR IELTS (Engineering/Science/Info Tech Mgmt)

<http://admissions.iit.edu/graduate/apply/english-proficiency-requirements>

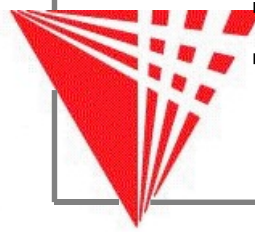
---

## **Attention:**

**DO NOT UPLOAD YOUR TRANSCRIPTS NOR COMPLETE APPLICATION TILL YOU HAVE ACHIEVED THE MINIMUM TOEFL/IELTS AND GRE GENERAL SCORE REQUIREMENTS FOR IIT**

- Students with an **iBT OVERALL SCORE OF 90+ or IELTS score of 6.5+ or PTE score of 63+** may be unconditionally admitted ( if all other elements meet IIT's admission requirements)
- Students with a TOEFL iBT score of less than 70, or IELTS less than 5.5 or PTE less than 53 will NOT be admissible
- Students with a **TOEFL iBT overall score of 70 – 89, IELTS 5.5-6.0 or PTE of 47 - 62 will be required to take an assessment in each section that falls below the minimum score -TOEFL ibt for each section below 20, PTE below 53, IELTS below 6.5**
- For updated information regarding the assessment exam please visit the PESL Assessment FAQs page - <http://appliedtech.iit.edu/english-language-services/graduate-faq-assessments>





# **IIT English Proficiency Requirements**

---

## **IIT English Proficiency Requirements:**

**<http://admissions.iit.edu/graduate/apply/english-proficiency-requirements>**

## **PESL:**

**<http://pl.iit.edu/pesl-assessment/faq.pdf>**



# TOEFL or IELTS & GRE

---

**TOEFL score minimum - 90 ibt**

**[www.toefl.org](http://www.toefl.org) – (ETS administers this exam)**

**OR**

**IELTS – score minimum - 6.5**

**[www.ielts.org](http://www.ielts.org)( IELTS administers this exam)**

**AND**

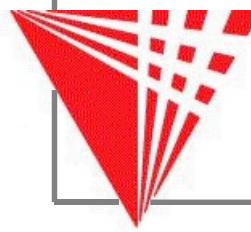
**GRE revised general ( ETS administers this exam)**

**[https://www.ets.org/gre/revised\\_general/about](https://www.ets.org/gre/revised_general/about)**

**Score minimum – per department at IIT**

**<https://admissions.iit.edu/graduate/apply/gre-requirements>**

**Must request ETS to send your Official TOEFL and GRE scores directly to IIT Chicago – Institution  
code 1010. For IELTS they should send it to Grad Admissions**



# The GRE Revised General Exam

[https://www.ets.org/gre/revised\\_general/about](https://www.ets.org/gre/revised_general/about)

---

3 sections:

1. Verbal (Multiple choice) 130-170 scale score
2. Quantitative (Multiple choice) 130 – 170 scale score
3. Analytical (Essay) out of 6

Cost: 205 USD (2017-2018)



# **IIT GRE General MINIMUM Requirements per department**

<https://admissions.iit.edu/graduate/apply/gre-requirements>

---

## **ARMOUR COLLEGE OF ENGINEERING**

### **Department of Electrical & Computer Engineering**

**V+Q= 304 ( 159Q), A = 2.5**

### **Department of Mechanical, Materials & Aerospace Engineering**

**V+Q = 298 ( 151Q), A = 2.5**

### **Dept. Of Biomedical Engineering**

**Q+ V = 304 (158Q); A = 2.5**

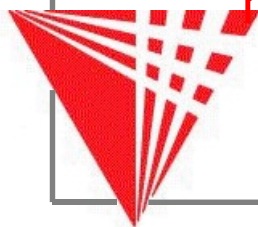
### **Dept. Of Civil, Architectural & Environmental Engineering**

**V+Q = 292, A = 2.5**

### **Dept. Of Chemical & Biological Engineering**

**V + Q = 292, A = 2.5**





**IIT GRE General MINIMUM Requirements per department**  
<https://admissions.iit.edu/graduate/apply/gre-requirements>

## **COLLEGE OF SCIENCE**

**Department Of Computer Science**

**V+Q= 295/300 , A = 2.5/3.0**

**Master of Data Science**

**V+Q = 304, A= 2.5**

**Department of Applied Mathematics**

**V+Q = 304, A = 2.5 ( Doctoral degree applicants should have higher scores)**

**Department of Physics**

**V+Q = 304, A = 2.5**

**Dept. Of Biology**

**Q+V = 305, A = 2.5**

**Dept. Of Chemistry**

**Q+V= 300, A = 2.5**



IIT GRE General MINIMUM Requirements per department at IIT (Master's Level)

<https://admissions.iit.edu/graduate/apply/gre-requirements>

## **SCHOOL OF APPLIED TECHNOLOGY**

**Dept of Industrial Technology & Operations**

**Q+V = 292, A = 2.5**

**Department of Information Tech Mgmt**

**V+Q = 295, A = 2.5**

**Food Safety**

**Q+V = 295/304, A = 2.5**



# Double Degree (Master's level - GRADUATE)

---

- ✓ Pre-selection by UPC is required
- ✓ TOEFL 90 iBT minimum or IELTS 6.5 or PTE 63 ( **official score**)  
[admissions.iit.edu/graduate/apply/english-proficiency-requirement](https://admissions.iit.edu/graduate/apply/english-proficiency-requirement)
- ✓ GRE general ( **request ETS to send your official score directly to IIT Chicago –Institution code 1318**)  
[admissions.iit.edu/graduate/apply/gre-requirements](https://admissions.iit.edu/graduate/apply/gre-requirements)
- ✓ IIT Graduate International application  
<http://admissions.iit.edu/graduate/apply/degree-seeking-checklist>
- ✓ 1 or 2 letter(s) of recommendation ( depending on the department)
- ✓ Professional statement
- ✓ Proof of Bachelor's degree equivalent certified in English
- ✓ Transcripts certified in Spanish and in English
- ✓ 1 Copy of the identity page of your passport
- ✓ Recommended deadlines: 15 April (Fall semester) et 15 October (Spring semester) or as early as possible

N.B. IIT makes the final decision. Pre-selection does NOT guarantee admission to IIT

Illinois Institute of Technology



## List of some course transfers – Spanish partners

---

### **UPCatalunya:**

ESEEIAT: MMAE 502 & MMAE 525

ETSEIB : MMAE 451, 485, 509, or 543

FME: MATH 453, 589, 454, 512

N.B: 6 ECTS = 3 U.S. credits = 1 course at IIT



## Master's Degree (Engineering/Science)

---

### **Example of a 32-credit hour program**

24 credits =  $\sim 7$  courses

1 - 5 credits = Research project option

(No. of credits awarded for research is dependent on the department at IIT per the required courses to be completed)

26 credits = Master's degree

**N.B. – 1 U.S. credit =  $\sim 2$  ECTS credits**





## **Department of Electrical & Computer Engineering ([engineering.iit.edu/ece](http://engineering.iit.edu/ece)) (ETSETB/ETSEIB-UPC)**

---

**Master of Science in Electrical Engineering ( 32 c.h.)**

**Master of Science in Computer Engineering ( 32 c.h.)**

**Master of Science in Electrical & Computer Engineering (32 c.h.)**

**Master of Biomedical Imaging & Signals ( 30 c.h.)**

**Master of Electricity Markets ( 30 c.h.)**

**Master of Network Engineering ( 30 c.h.)**

**Master of Power Engineering (30 c.h.)**

**Master of Telecommunications & Software Engineering ( 30 c.h.)**

**Master of VLSI & Microelectronics ( 30 c.h.)**

**Master of Electrical & Computer Engineering ( 30 c.h.)**

***N.B. - This department has a Doctoral program***



**IIT Department of Information Technology  
Management (appliedtech.iit.edu/itm)  
(ETSETB/FIB-UPC)**

---

1. Master of Cyber Forensics & Security (30 c.h.)
2. Master of Information Technology & Management  
(30 c.h.) with Specializations:

- Web Design

**Systems Analysis**

**Management Information Systems**

**Digital Systems Technology  
& Mgmt**

**Data Center Operations**

**Software Development**

**Systems Administration**

**Computer & Network Security Technologies  
Management**

**Data**

**Information Technology Management & Entrepreneurship**

**Web Design & Application Development**

**Voice & Data Comm Tech**

- **No Ph.D. (Doctoral) program**



# **IIT Department of Computer Science** **([science.iit.edu/computer-science](http://science.iit.edu/computer-science))** **(FIB/ETSETB-UPC)**

---

Difference between MCS and MS CS

✓ MCS - more applied

✓ MSCS

- for students interested in pursuing a doctoral program thereafter
- students may also take certain courses offered in the MCS program



# Department of Computer Science

[science.iit.edu/computer-science](http://science.iit.edu/computer-science)  
(FIB, ETSETB-UPC)

---

## Master of Data Science (33 c.h.)

[http://iit.edu/csl/programs/professional\\_masters/ds\\_academics.shtml](http://iit.edu/csl/programs/professional_masters/ds_academics.shtml)

- Master of Science in Computer Science (32 c.h.)
- Master of Computer Science with different specializations ( 30 or 33 c.h.)

*Computational Intelligence*

*Finance*

*Cyber-Physical Systems*

*Business*

*Data Analytics*

*Networking & Comm*

*Database systems*

*Distributed & Cloud Computing*

*Education*

*Information Security & Assurance*

*Software engineering*

***N.B. – The department has a Doctoral program ( Ph.D. level)***



**Department of Civil, Architectural &  
Environmental Engineering**  
([engineering.iit.edu/cae](http://engineering.iit.edu/cae))  
(**Camins-UPC**)

---

➤ **Master of :**

- **Construction Engineering & Management**
- **Architectural Engineering**
- **Structural Engineering**
- **Transportation Engineering**
- **Public Works**
- **Environmental Engineering**

**N.B. The department has a doctoral program ( Ph.D.)**





## Department of Physics ([science.iit.edu/physics](http://science.iit.edu/physics))

---

- **Master of Science in Physics ( 32 c.h.)  
with upto 6 c.h. towards research**
- **Master of Science in Applied Physics ( 32 c.h.) for those with an engineering background**
- <http://science.iit.edu/programs/graduate/master-science-applied-physics>

*N.B. – The department has a Doctoral program ( Ph.D. level)*



**Department of Biomedical Engineering**  
**([engineering.iit.edu/bme](http://engineering.iit.edu/bme))**  
**(ETSEIB/ETSETB-UPC applicants)**

---

- **Master of Biomedical Engineering (30 c.h.) ( no required research)**

N.B. – The department has a Doctoral program ( Ph.D. level)



# **IIT Department of Chemical & Biological engineering ([engineering.iit.edu/chbe](http://engineering.iit.edu/chbe)) (**ETSEIB-UPC applicants**)**

---

## **➤ MASTER:**

- **Master of Chemical Engineering ( 30 c.h.)**
- **Master of Biological Engineering ( 30 c.h.)**

N.B. The department has a Doctoral program ( Ph.D. level)



## Department of Applied Math ( FME-UPC applicants) ([science.iit.edu/applied-mathematics](http://science.iit.edu/applied-mathematics))

---

- **Master of Mathematical Finance ( 1 yr) in collaboration with IIT -Stuart School of Business (cost per credit hours \$1725 @ Stuart School of Business August 2018-May 2019) : IIT Partner scholarship will NOT apply**
- **Master of Science in Applied Math ( 32 c.h.)**
- **No Ph.D. (Doctoral) Program**



**IIT Department of Mechanical, Materials &  
Aerospace Engineering ([engineering.iit.edu/mmae](http://engineering.iit.edu/mmae))  
(ESEEIAT/ETSEIB-UPC applicants)**

---

- **Master of Engineering ( 30 c.h. ) in:  
Mechanical & Aerospace Engineering  
Material Science & Engineering  
Manufacturing Engineering ( 1.5 yrs)**

**Research Centers**

**Fluid Dynamic Research Center ([fdrc.iit.edu](http://fdrc.iit.edu))**

**Thermal Processing Technology Center  
([mmae.iit.edu/~tpc/](http://mmae.iit.edu/~tpc/))**

N.B. The department has a Doctoral program ( Ph.D. level)





## Department of Biology

[science.iit.edu/biology](http://science.iit.edu/biology)

---

**M.S. 32 – 34 credit hours with thesis or non-thesis option**

- **M.S. in Biology**
- **M.S. in Biology with Biochemistry specialization**
- **M.S. in Biology with Cell & Molecular Biology specialization**
- **M.S. in Biology with Microbiology specialization**
- **M.S. in Biology with Molecular Biochemistry & Biophysics specialization**

*N.B. – The department has a Doctoral program ( Ph.D. level)*



# CHOICE OF COURSES AT IIT

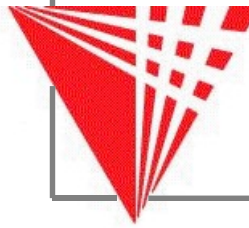
---

## IMPORTANT POINTS TO REMEMBER:

- Not all courses are offered all of the time
- Some courses will be offered once every two years
- Some courses will be offered once every year
- Some courses will be offered each semester
- Some courses may not be offered/opened if there are less than 10 students registered for the courses

### What you should do:

- Regarding electives, discuss with your professor at your home university, the elective courses you will need to take for validation & alternatives & submit only once admitted
- In this case, it is imperative that once selected, you submit complete documents to IIT for an early decision well before



## **M.S. degree in Applied Math -For FME-UPC students**

---

- **Applications for the Spring semester only**
- **F1 visa category**
- **32 c.h. with thesis**
- **Defense of thesis at IIT**
- **Completed 4.5 yrs at FME-UPC**
- **Must complete at least 2 core sequences  
e.g. Computational, Discrete or  
Stochastics**
- **May be eligible for transfer of credit of  
upto 3 courses –( 9 c.h.) – Only for FME**



## **Program III - Graduate Non-Degree Visiting - For FME-UPC students**

---

- **Pre-selected by FME-UPC**
- **Completion of application requirements**
- **TOEFL score of 90 iBT or IELTS score of 6.5 or PTE 63**
- **Pursue one semester or one year (minimum 9 c.h. per semester)**
- **Submit list of courses to be taken at IIT**
- **Application deadline is April 15 for Fall and October 15 for Spring**
- **Visa J1 non-degree visiting**



## **Program IV: FME-UPC – Doctoral degree level**

---

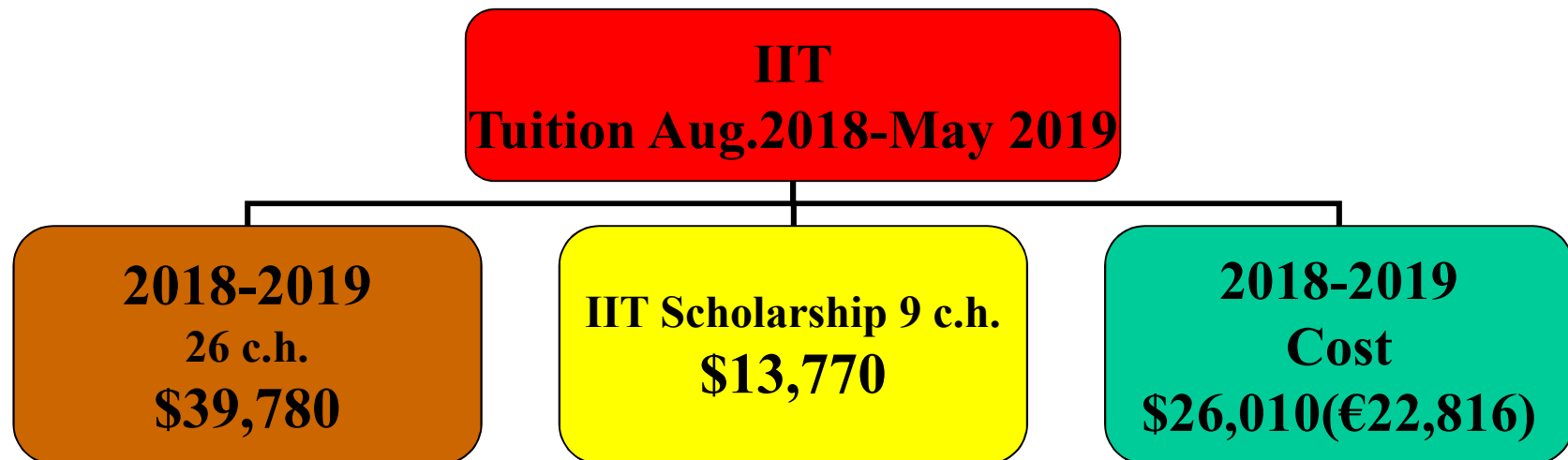
### **Doctoral degree program:**

- ✓ Pre-selection by FME
- ✓ Completion of Master's at FME-UPC
- ✓ May apply to pursue PhD in 6<sup>th</sup> year first semester
- ✓ Overall average 7.5 out of 10 with 8/10 in Math courses
- ✓ TOEFL 95+
- ✓ GRE quantitative 160+ overall 304
- ✓ Early review by IIT end of Nov/early Dec
- ✓ Limit to 1 student per year



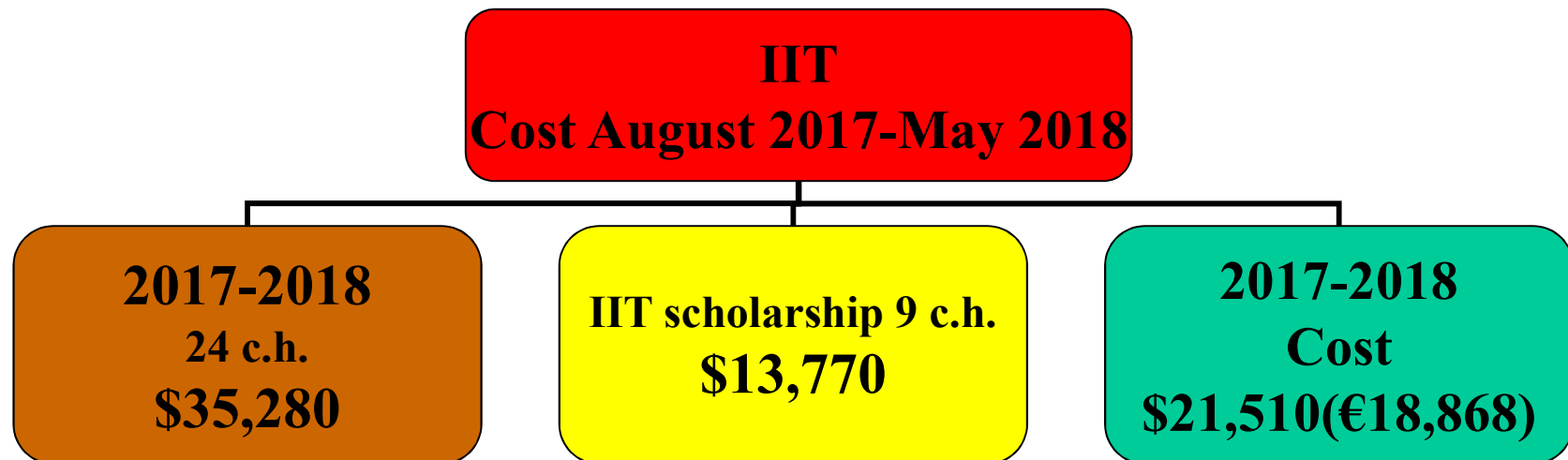


# **IIT Master's degree -32 credits (ECE/CS) – IIT Cost – Aug 2018 – May 2019**





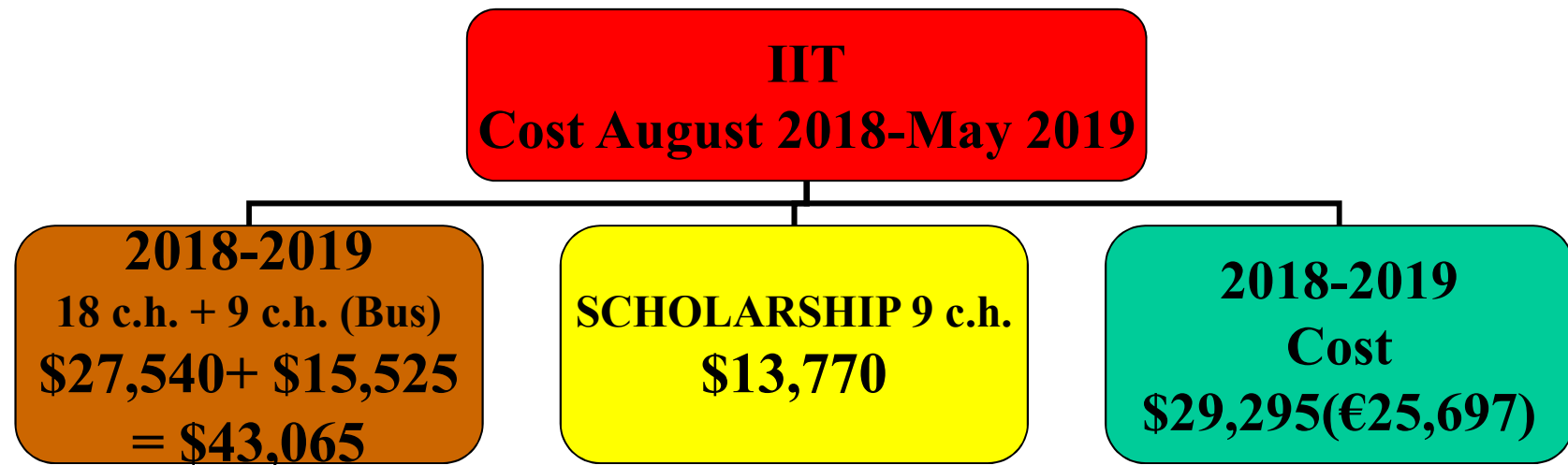
# **IIT Master's Degree ( 30 credits)** **(ITM/Biomedical Eng/MMAE/INTM)** **Cost – August 2017 – May 2018**





# **Master of Computer Science with Business/Finance Specialization – IIT**

## **Tuition cost – August 2018 – May 2019**





## **Mandatory & Other Fees (Engineering, Technology & Science) August 2018-May 2019**

---

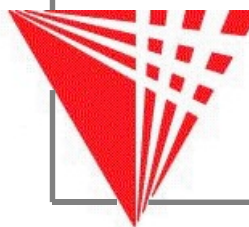
**Aug. 2018 – May 2019 ( 9 months (1 academic year)**

<b>Health Insurance</b>	<b>\$1,483</b>
<b>Service Fee</b>	<b>\$864</b>
<b>U-Pass (Transport)</b>	<b>\$310</b>
<b>Activity Fee</b>	<b>\$250</b>
<b>New Student Fee</b>	<b>\$300 ( one time only )</b>
<b>Graduation Fee</b>	<b>\$275 (one time only)</b>
<b>Total</b>	<b>\$3,482 ( 1 an ~ €3054)</b>

**Updates for August 2019-May 2010 fees will be posted in Feb/March 2019:**

**Exchange rate: 1.14 USD = 1 Euro ( Oct. 28,2018)**

**<https://web.iit.edu/student-accounting/tuition-fees/future-tuition/mies-campus-graduate>**



# Master of Computer Science with Specialization in Business/Finance

---

- 33 credit hours
- 24 credit hours in CS (~6 courses) and 9 credit hours in Business (~ 3 courses)
- At least 20 CS courses must be at the 500-level
- GRE general required
- Application to CS department is sufficient
- Cost for Business courses will be EXTRA. At the Stuart School of Business the cost is 1,725 USD per credit hour ( Aug.2018-May 2019)
- IIT Paris International Alliance scholarship will **NOT APPLY TO STUART SCHOOL OF BUSINESS COURSES**
- Weblink:  
[http://www.iit.edu/csl/cs/programs/grad/mcs\\_bus.shtml](http://www.iit.edu/csl/cs/programs/grad/mcs_bus.shtml)

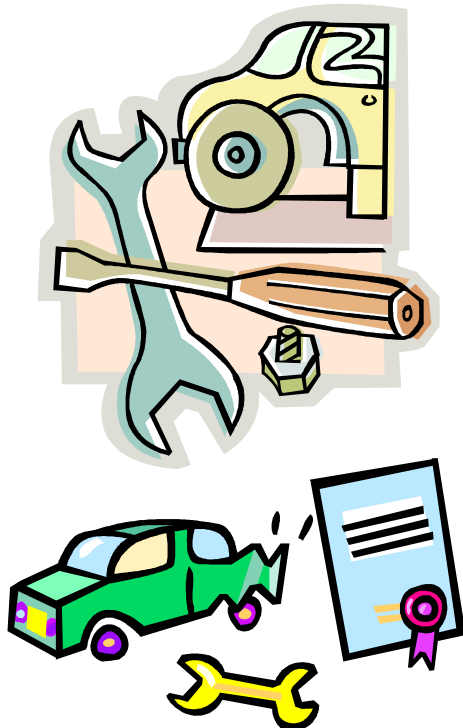


# The benefits

**New car = €23,000**

**Rolls out of the garage =**

**Value reduced by -20%**



**Master's d'IIT : €23,000**

**Graduate from IIT = Salary:  
€53,000 (+30% aux US )**







## UPON GRADUATION - POSSIBILITIES

- ❖ Work in the U.S. under F1 OPT for 12 months
- ❖ Possible extension if STEM-related to 24 months in addition under OPT
- ❖ Median salary : 64,000 USD (55,000 Euros) according to specialization
  - ❖ PhD. (Doctorate) in the U.S. or elsewhere
    - ❖ Work in Europe or elsewhere



# **IIT Alums in Chicago**

---

## **Profesionales Espanoles en Chicago (PEC)**

**Javier Perez –javierptg@gmail.com**

**Sergio Perez – serpear@gmail.com**

**<https://www.pec-network.com/about-pec>**



## Testimony from an alum Mr. Javier Perez, of ETSII-UPM & IIT ( IIT-MMAE 2008)

Was it worth it?

*"Absolutely! The experience is worth the cost a compensation point of view as well as a personal endeavor Without the IIT, I would have not been able to work in the USA"*

Would you recommend this experience to others & why?  
*The job market is a very competitive one. You need to be able to differentiate yourself. Coming to study in the USA gives you that differentiation"*

Salary range: *first year 50+ 10K; 3<sup>rd</sup> yr: 65 +10K*  
*"After F1 OPT, and then several H1bs, I got my green card last year, 9 years after I arrived in the USA"*

Current job position: Senior Associate for Strategy



## **Program II - Research**

---

- ✓ **Application deadlines:**

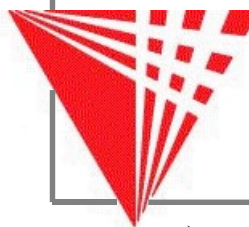
  - Fall – Feb 15**

  - Spring – November 15**

- ✓ **Must be first pre-selected by your school**

- ✓ **No TOEFL nor GRE required – however proof of English proficiency (intermediate level) must be provided by the home institution**

- ✓ **Cost of 3 credit hours for 6 months = \$4,590  
(August 2018-May 2019 cost in Engineering, Science, Applied Math & Architecture) – student's responsibility**



## Program II – Research - PROCEDURE

---

- Selected by school – name submitted to IIT Europe
- Send required docs (certified copy of transcript in english only, 2 letters of recommendation, CV, copy of the name page of passport, certified letter of proof of intermediate level in English or official & valid TOEFL/IELTS score & a professional statement – identify three professors in one department at IIT, with whom you would like to work), proof of Bachelor's degree in English, VIA EMAIL to IIT France office
- IIT Europe will distribute the dossier to the 3 professors you are asked to identify within 1 department at IIT Chicago
- MUST CHOOSE ONLY ONE DEPARTMENT AT IIT
- IF APPROVED BY THE PROFESSOR AT IIT, IIT Europe OFFICE will inform you, after which you will send your certified transcripts in the native language and english, and the Financial support form IN ORIGINAL BY POST, directly to the Department coordinator at IIT.  
**You will be informed where to send the documents once approved.**
- **DO NOT SEND ANY DOCUMENTS TO THE GRADUATE ADMISSION OFFICE NOR TO THE PROFESSORS, AS THEY DO NOT PROCESS RESEARCH APPLICANTS**



- Application deadlines:
  - *Spring: Nov 1: Fall: Feb 15*
    - Pre-selection by UPC
- NO TOEFL nor GRE required
- Research period: 6 months
- Registration fee at IIT for 3 credits ( 4,590 USD)
- Registration fee at IIT for 4 credits ( 1 yr) (6,120 USD)  
(*August 2018-May 2019 cost*)



## Some Research Centers @ IIT

---

- **Ubiquitous Security & Privacy Research Lab**
- **Electric Power & Power Electronic Center**
- **Future Networking Research lab**
- **Computational Design & Manufacturing Lab**
- **Medical Imaging Research Center**
- **Embedded Capacity & Signal Processing Research**
- **Electric Drives & Energy Conversion La**
- **Fluid Dynamics Research center**  
**National Center of Excellence**
- **Thermal Processing Technology Center**
- **Advanced Thermal & Environmental Systems Research Lab –(ATESR)**
- **Robotics Lab**
- **Wanger Institute for Sustainable Energy Research**
- **Particle Test & Crystallization Center**
- **Robert W. Galvin Center for Electricity Innovation**





# **Illinois Tech Research Institutes & Centers**

---

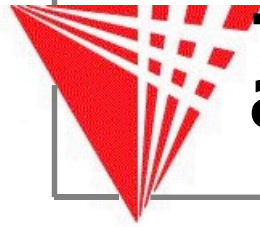
- **Do NOT contact the professors directly**
- **Each professor working at a research center/institute at IIT, is affiliated to a department at Illinois Tech**
- **When applying for research, documents are issued by the department NOT the research center**



## **Program III – Undergraduate Non-degree Visiting ( ETSAB)**

---

- Pre-selected by ETSAB
- Application deadline April 15 for Fall
- List of courses to be taken at IIT
- Pursue courses for one year ( minimum 12 c.h. per semester)
- TOEFL 80 ibt or IELTS 6.5
- Visa J1 non-degree visiting
- Architecture applicants can only apply for Fall & Spring



# **IIT College of Architecture**

## **arch.iit.edu**

---

### **Bachelor's curriculum:**

<http://arch.iit.edu/study/b-arch-curriculum>

#### Studio-based curriculum:

- Emphasis on architecture detailing
- Learning the art of building
- Connecting the art of building to the art of construction

Eligible for 4<sup>th</sup> year students – concentration on comprehensive building design



# Undergraduate Application Procedure

---

- **IIT international undergraduate Application Form**  
<http://admissions.iit.edu/undergraduate/apply/visiting-and-exchange-program>
- **1 letter of recommendation**
- **TOEFL score of 80 iBT or IELTS score of 6.5**  
**(Request the ETS to send your official score report directly to IIT Chicago. For TOEFL – IIT's Institution code is 1318)**
- **Certified High school final exams results & University course exam results in English and in the native language (where applicable)**
- **Financial Affidavit of Support must be sent with the application**
- **One page CV/resume**
- **Copy of passport**
- **List of courses you'd like to take at IIT**
- **Architecture applicants to submit a digital portfolio of a summary of work done in each year of study**



# Cost of Attendance – tuition only **UNDERGRADUATE**

---

## Non-degree Visiting students

**(August 2018-May 2019)**

	<b><u>1 year</u></b>	<b>or <u>1 semester</u></b>
<b>Tuition</b>	<b>\$45,872</b>	<b>\$22,936</b>
<b>Scholarship</b>	<b>-\$20,000</b>	<b>-\$ 10,000</b>
<b><u>Cost due to IIT</u></b>	<b><u>\$25,872 (€22,695)</u></b>	<b><u>\$12,936 (€11,347)</u></b>

(Room & Board if living off campus is at your own additional expense)

<https://web.iit.edu/student-accounting/tuition-fees/future-tuition/mies-campus-undergraduate>

Exchange rate: 1 euro = 1.14 ( Oct.28, 2018)

Illinois Institute of Technology



# **Mandatory & Other Fees – 1 year**

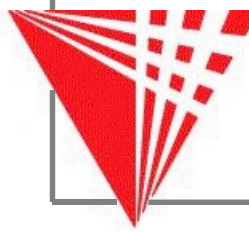
**Undergraduate level – Aug 2018- May 2019**

<https://web.iit.edu/student-accounting/tuition-fees/future-tuition/mies-campus-undergraduate>

---

<b>Health Insurance</b>	<b>\$1,483</b>
<b>Activity Fee</b>	<b>\$ 250</b>
<b>Student Service Fee</b>	<b>\$ 864</b>
<b>U-Pass Fee</b>	<b>\$ 310</b>
<b>New Student fee</b>	<b>\$ 350</b>
<b>Total</b>	<b>\$3,257 (€2,857)</b>

**Exchange rate: 1 Euro = 1.14 USD (Oct.28, 2018)**



## **Cost for 1 Exchange student from ETSAB-UPC**

---

- ❖ **No tuition fee to IIT**
- ❖ **ETSAB Exchange student will pay the Mandatory and Other fees at IIT**
- ❖ **ETSAB Exchange student will be responsible for his/her living and other expenses**





## **Mailing of Undergraduate documents:**

---

**Mail documents & updated transcripts to:**

**Office of Undergraduate Admissions**

**c/o Illinois Institute of Technology**

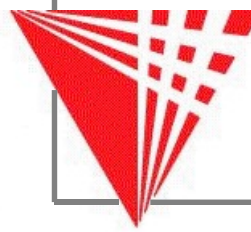
**101 Perlstein Hall**

**10 W 33rd Street**

**Chicago, IL 60616**

**USA**

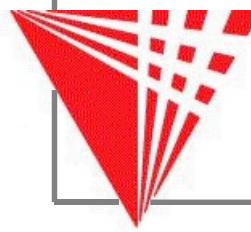
**P: 312 567 3025**



# On-campus Housing @ IIT Gunsaulus Hall

---

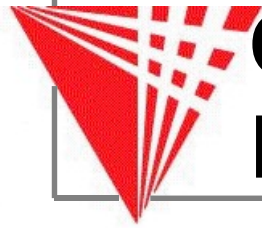




## **On-campus Housing – State Street Village (SSV) designed by Helmut Jahn**







# On-campus Housing @ IIT McCormick Student Village

---





# ACCOMMODATION (Aug 2018- May 2019)

---

## **ROOM RATES ON CAMPUS:**

<https://web.iit.edu/sites/web/files/departments/housing/pdfs/2018-2019%20Room%20Rate%20Sheet.pdf>

## **BOARD/MEAL RATES ON CAMPUS:**

<https://web.iit.edu/sites/web/files/departments/housing/pdfs/2018-2019%20Board%20Rate%20Sheet.pdf>



# ACCOMMODATION

---

**In the city :** ~ min. \$1,200 (€650-shared) or  
€1,034 (studio -1 person) – without meals, and  
unfurnished

Exchange rate: 1 Euro = 1.16 USD (Sept. 30, 2018)



## Websites

---

**IIT**

[www.iit.edu](http://www.iit.edu)

**TOEFL**

[www.toefl.org](http://www.toefl.org)

**GRE general**

<http://www.ets.org/gre/>

**IELTS**

[www.ielts.org](http://www.ielts.org)

**Pearson Test of English - [www.pearsonpte.com](http://www.pearsonpte.com)**

**IIT Athletics:**

<http://www.illinoistechathletics.com/landing/index>



# Websites

---

**ARMOUR COLLEGE OF ENGINEERING**

**[engineering.iit.edu](http://engineering.iit.edu)**

**COLLEGE OF SCIENCE**

**[science.iit.edu](http://science.iit.edu)**

**STUART SCHOOL OF BUSINESS**

**[www.stuart.iit.edu](http://www.stuart.iit.edu)**

**SCHOOL OF APPLIED TECHNOLOGY**

**[appliedtech.iit.edu](http://appliedtech.iit.edu)**





Illinois Institute of Technology

---

**For further information:**

**Dr. Misquita**

**[europe@iit.edu](mailto:europe@iit.edu)**

**Attention:**

**Please check the IIT website and the weblinks provided for any changes and/or updates that are likely to occur**



# Your journey to Illinois Tech begins!



Illinois Institute of Technology