



Présentation par:  
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Bienvenidos!

ILLINOIS TECH



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



ABOUT

ILLINOIS TECH



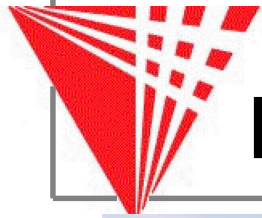


# **Illinois Tech**

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

Illinois Institute of Technology





# Illinois Tech- Student Center







# Illinois Tech Radio Station



Illinois Institute of Technology

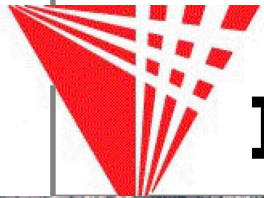




# The IIT campus – Winter & Spring







# Inside the Student Center



# Our Location

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



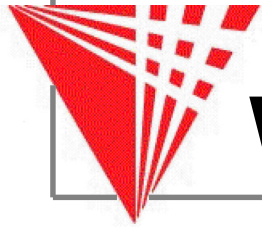




## 8 Colleges/Centers/Institutes à I.I.T.

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- **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**

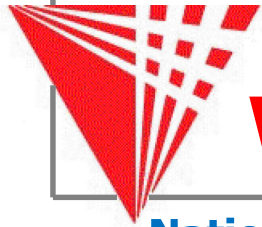


## What is a U.S. credit hour?

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- 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

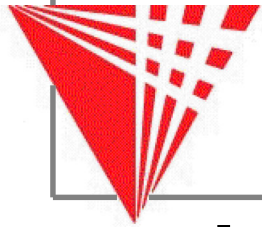




# Why Study at IIT

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- **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 – 12 ch scholarship (\$18,900 ref. August 2019-May 2020 tuition) 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**



# Illinois Institute of Technology

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

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

**I.I.T.**

**Carnegie-Mellon**

**CalTech**

**M.I.T.**

**Case Western Reserve ...**

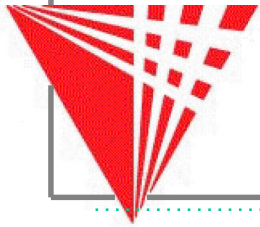
## **MISSION OF THE AITU:**

- 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



SOME STATS

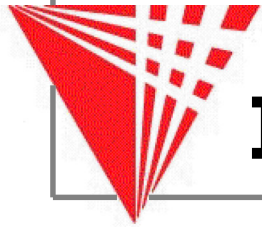
ILLINOIS TECH



Undergraduates	about 3,000
Graduate and Law Students	about 5,000
Student to Faculty Ratio	12:1
States Represented	50
Countries Represented	130+
Pell Scholarship recipients	30.6%







## **Illinois Tech's motto**

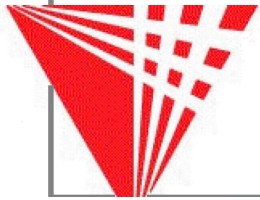
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**ILLINOIS TECH**  
**Discover. Create. Solve.**

# INVENTIONS & DISCOVERIES

**ILLINOIS TECH**





# MAJOR IIT INVENTIONS BY ILLINOIS TECH'S ALUMNAE



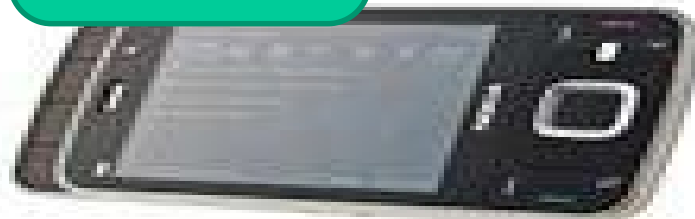
BAR CODE  
PRINTER  
IIT  
alumnus  
Ed Kaplan



*Magnetic tape data storage*

MAGNETIC TAPE  
IIT Alumnus  
Marvin Camras

CELL PHONE  
IIT alumnus  
Marty Cooper





# Martin Cooper

- Graduated Illinois Tech with a bachelor's and master's degree in **electrical engineering**
- **Inventor of the cell phone**  
**1972-73**
- Formulated the **Law of Spectral Efficiency**, also known as Cooper's Law.
- Awarded the prestigious **Charles Stark Draper Prize** in 2013 amongst many others



"The fundamentals I learned at Illinois Tech have been my guiding light in everything I have done."

— Martin Cooper  
(B.S. EE 1950; M.S. EE 1957)





# Rohit Prasad

- Graduated Illinois Tech with a master's degree in **electrical engineering**
- **Head Scientist** behind Amazon's

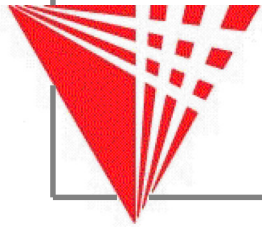
## Alexa

- Currently **Vice President** and Head Scientist, Alexa Artificial Intelligence (AI)
- Ranked No. **9** in Fast Company's 100 most creative people in business, 2017
- **15** on Recode's list of 100 people in tech, business and media ,2017



"The way I think about Alexa is the way AI is revolutionizing daily convenience."

– Rohit Prasad  
(M.S. EE 1999)



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

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

### **Inventor - Magnetic Tape**

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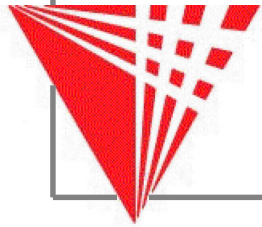
**Born in Chicago in 1916, Camras was known to his family as an "inventor" by the age of five**

**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.**



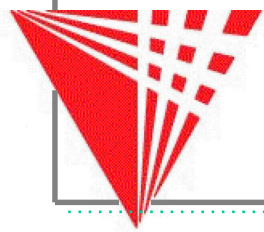




## **Ed Kaplan (Alumnus of IIT) (B.S. ME 1965) Inventor of the Bar Code printer**

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- **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**



# OTHER ILLINOIS TECH ALUMNI



Ed Kaplan (ME 1965)  
Pioneer in  
Barcode Technology



Rajeev Chandrashekar  
(M.S. CS 1988)  
Member of the Team that Developed  
the Pentium Chip



Susan Soloman (Chem 1977)  
Discovered Manmade  
Chlorofluorocarbons were Destroying  
the Earth



Victor Tsao (M.S. CS 1980)  
Co-founder of Linksys



Gloria Ray Karlmark (Chem. Math 1965)  
Part of The Little Rock Nine who Stood Up  
Against Segregation in Arkansas Schools

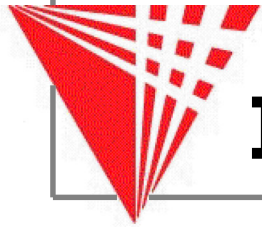


Anita Burke (ME 1990)  
Vehicle Chief Engineer for the GMC  
Canyon and Chevrolet Colorado



Andrea Berry (CS 1984)  
Emmy Award-winning  
Broadcast Media Consultant





## **IMPORTANT LINKS**

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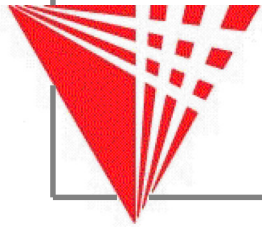
**Amazon's Alexa-youtube link below :**

**<https://www.youtube.com/watch?v=ZLFrw83f2NI>**

**Illinois Tech's President – Dr. Alan Cramb  
interview with ABC news**

**<https://www.facebook.com/illinoistech/videos/1125962580945967/>**

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# IIT Research collaborations

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**With:**

☐ **Argonne National Laboratory**



☐ **Fermi Lab**



☐ **U.S. Department of Energy**

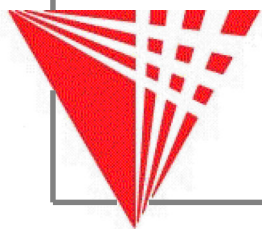






SPORTS

**ILLINOIS TECH**



# IIT SPORTS

Mascot: **SCARLET HAWKS**



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





# Athletics: Scarlet Hawks

## Men's

Baseball  
Basketball  
Cross Country  
Lacrosse  
Soccer  
Swimming and Diving  
Tennis  
Track and Field  
Volleyball

## Women's

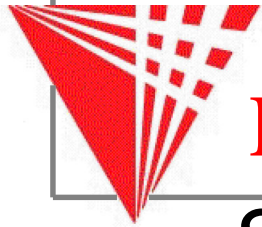
Basketball  
Cross Country  
Lacrosse  
Soccer  
Swimming and Diving  
Tennis  
Track and Field  
Volleyball





# ILLINOIS TECH PARTNERS IN SPAIN

**ILLINOIS TECH**



## Partners

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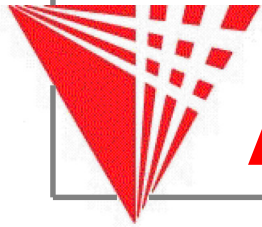
### SPAIN:

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

# ACADEMIC CALENDAR

**ILLINOIS TECH**





# Academic Calendar

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## Fall Semester

**Mid-August to mid-December**

**( Recommended Fall application deadline – April 15)**

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## Spring Semester

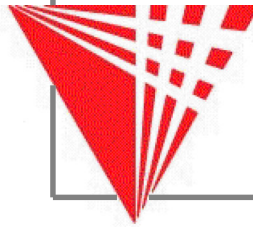
**Mid-January to mid-May**

**(Recommended Spring application deadline –  
October 15 of the previous year)**

<https://web.iit.edu/registrar/academic-calendar>

# INTERDISCIPLINARY 1-YEAR MASTER DEGREES

**ILLINOIS TECH**

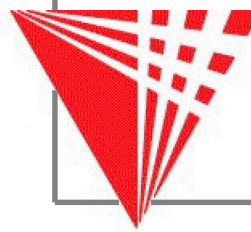


# Interdisciplinary Majors– Graduate Level – 30 crédits

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- Master of Energy Systems  
<https://engineering.iit.edu/programs/graduate/master-engineering-energy-systems>
- Urban Systems Engineering  
<https://engineering.iit.edu/programs/graduate/master-engineering-urban-systems-engineering>
- Engineering Management  
<https://engineering.iit.edu/programs/graduate/master-engineering-management>
- Master of Engineering in Advance Manufacturing  
<https://engineering.iit.edu/programs/graduate/master-engineering-advanced-manufacturing>
- Master of Computational Engineering  
<https://engineering.iit.edu/programs/graduate/master-computational-engineering>
- Master of Pharmaceutical Engineering  
<https://engineering.iit.edu/programs/graduate/master-pharmaceutical-engineering>



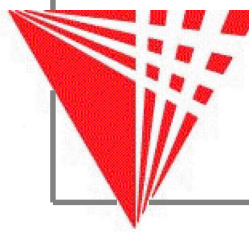


# **Interdisciplinary Majors @IIT**

## **30 credit hours ( c.h.)**

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- **Master of Engineering in Energy Systems**
  - Energy Generation & Sustainability Track ( MMAE)
  - Energy Transmission & Markets Track ( ECE)
- **Master of Engineering Management**
  - Product Design & Dev Track (MMAE)

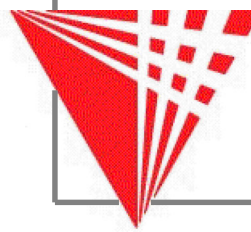


## **Interdisciplinary Majors @ IIT**

### **30 credit hours (c.h.)**

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- **Master of Engineering in Urban Systems**
  - Urban Transportation Systems Track ( ECE)
- **Master of Computational Engineering**
  - Computational Mechanics Track ( MMAE)
  - Biomedicine Track ( BME)
  - Optimization Machine Vision & Decision-Making Track ( ECE)



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

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- **Master of Eng in Advanced Manufacturing**
  - Additive Manufacturing Track (MMAE)\*
  - Digital Manufacturing Track ( MMAE)
  - Automation & Control Systems ( ECE)

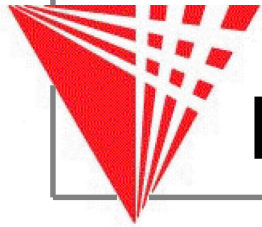
\* To verify if on offer for Fall 2020



I : DOUBLE DEGREE  
MASTER

II. RESEARCH – 6 MONTHS

III. UNDERGRADUATE  
EXCHANGE  
( GE3 or bi-lateral)  
**ILLINOIS TECH**



## **Departments @ IIT for UPM**

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### **Armour College of Engineering**

Dept of Mechanical, Materials & Aerospace Eng ( ETSIAE, ETSII-UPM)

Dept of Biomedical Engineering ( ETSIT, ETSII-UPM)

Dept of Electrical & Computer Engineering ( ETSIT, ETSIDI, ETSII-UPM)

Dept of Civil, Architectural & Environmental Eng (ETSIDI, ETSIAAB, ETSICCP-UPM)

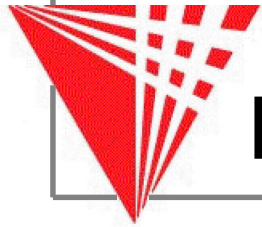
Dept of Chemical & Biological Eng ( ETSII-UPM)

### **School of Applied Technology**

Dept of Information Technology & Management ( ETSIT, ETSII, ETSIINF-UPM)

Dept of Industrial Technology & Operations ( ETSIDI, ETSII-UPM)

Institute of Food Safety & Health ( ETSIAAB-UPM)



# Departments @IIT

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## College of Science

Dept of Computer Science ( ETSIT, ETSIINF, ETSII-UPM)

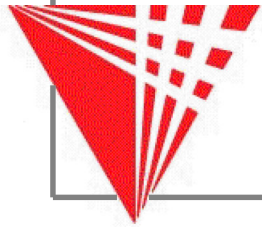
Dept. Of Physics ( **M.S. in Applied Physics**)\*\* ( ETSII, ETSIT-UPM)

Dept. Of Biology (ETSIAAB-UPM)

Dept. Of Chemistry

Dept. Of Applied Mathematics ( ETSIINF-UPM)

**\*\*Applied Physics trains students interested in optics, laser technology, semi-conductors, nuclear energy, nanofabrication, biotechnology**



# 1-Year MASTER DEGREE

(Engineering/Computer Science, Applied Physics, Information Technology & Management and/or Industrial Technology & Operations)

**1st Year**

**2nd Year**

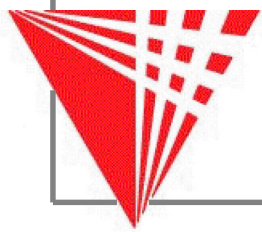
UPM - Master

IIT

IIT 1-year Master's degree

UPM's Degree





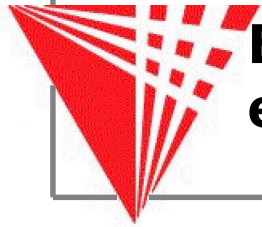
## **Department of Electrical & Computer Engineering (engineering.iit.edu/ece)**

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

### **New majors:**

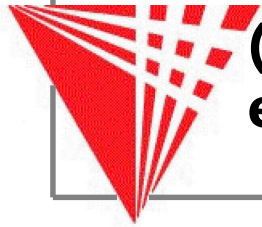
- Master of Cybersecurity Engineering ( 30 c.h.)**
- Master of Computer Engineering in Internet of Things ( IoT) ( 30 c.h.)**
- Master of Artificial Intelligence ( AI), Computer Vision & Control ( 30 c.h.)**
- Master of Wireless Communications & Computer Networks ( 30 c.h.)**



**Department of Civil, Architectural & Environmental  
Engineering (ETSICCP, ETSII & ETSIDI)  
[engineering.iit.edu/caee](http://engineering.iit.edu/caee)**

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- M.Eng (Master of Engineering) in Architectural Engineering
- M.Eng in Construction Management
- M.Eng in Engineering Systems
- M.Eng in Environmental Engineering
- M.Eng in Structural Engineering
- M.Eng in Geotechnical Engineering
- M.Eng in Transportation Engineering
- M.Eng in Public Works
- M.Eng in Urban System Engineering
- Master of Engineering Management

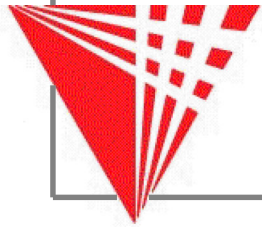


**Department of Chemical & Environmental Engineering**  
**(ETSII, ESIAAB, ETSIDI-UPM)**  
**[engineering.iit.edu/chbe](http://engineering.iit.edu/chbe)**

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- **Master of Biological Engineering**
- **Master of Chemical Engineering**
- **Master of Chemical Engineering with E3 specialization**
- **Master of Computational Engineering**
- **Master of Engineering Management**
- **Master of Pharmaceutical Engineering**

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



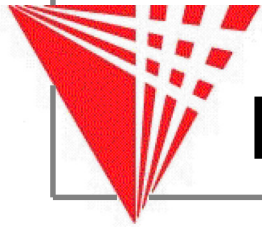
# Department of Physics ([science.iit.edu/physics](http://science.iit.edu/physics)) (ETSIT, ETSII-UPM)

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- **Master of Science in Physics ( 32 c.h.)  
with upto 6 c.h. towards research (TFM)**
- **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)*



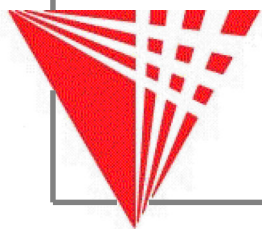


# Master of Applied Physics

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COMPETENCIES ACQUIRED AID IN A SUCCESSFUL CAREER IN THE FOLLOWING AREAS:

- Nanotechnology industry
- Quantum Optics
- Laser Technology
- Semiconductor Electronics
- GPS & space science
- Nuclear Energy
- Materials Science
- Certain areas of Biotechnology

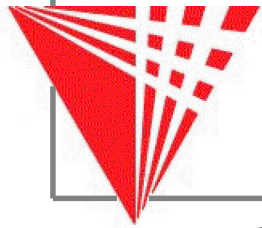


## Department of Chemistry ([science.iit.edu/chemistry](http://science.iit.edu/chemistry))

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- **Master of Chemistry ( 32 c.h.)**

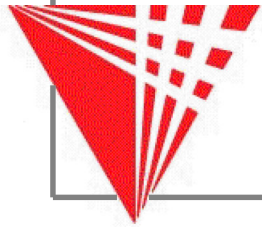
*N.B. – The department has a Doctoral program ( Ph.D. level)*



## **Department of Biology (ETSIAAB-UPM) ([science.iit.edu/biology](http://science.iit.edu/biology))**

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- **M.S. in Biology ( 32 – 34 ch) NON-THESIS option but TFM (research project) possible**
- **M.S. in Biology with Specializations (non-thesis option, but TFM (research project) possible:**
  - Applied Life Science
  - Cell & Molecular Biology
  - Computational Biology
  - Microbiology
- **M.S. in Molecular Biochemistry & Biophysics ( non-thesis option but TFM/ research project possible)**



## Department of Information Technology & Management ([appliedtech.iit.edu/itm](http://appliedtech.iit.edu/itm))

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1. Master of Cyber Forensics & Security (30 c.h.) – **1.5 yrs**

2. Master of Information Technology & Management  
(30 c.h.) with 9 Specializations:

- **Web Design**

**Management Information Systems**

**Systems Analysis**

**Digital Systems Technology**

**Data Center Operations**

**Software Development**

**Systems Administration**

**Computer & Information Security**

**Data Management**

**Information Technology Management & Entrepreneurship**

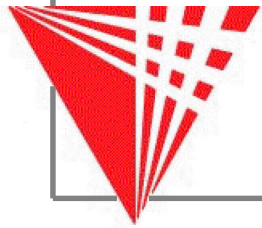
**Computer & Network Security**

**Information Technology Infrastructure**

**N.B. This department has no Doctoral program yet**

Illinois Institute of Technology





# Department of Computer Science

[science.iit.edu/computer-science](http://science.iit.edu/computer-science)

- ✓ **Master of Data Science (33 c.h.)**  
[science.iit.edu/programs/graduate/master-data-science](http://science.iit.edu/programs/graduate/master-data-science)
- ✓ **Master of Science in Computer Science ( MSCS) (32 c.h.)**  
[science.iit.edu/programs/graduate](http://science.iit.edu/programs/graduate)
- ✓ **Master of Computer Science ( MCS) with different specializations (30 or 33 c.h.)**

**Computational Intelligence**

**Cyber-Physical Systems**

**Data Analytics**

**Database systems**

**Distributed & Cloud Computing**

**Education**

**Information Security & Assurance**

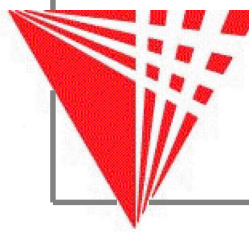
**Finance**

**Business**

**Networking & Comm**

**Software engineering**

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



# Master of Computer Science with Specialization in Business/Finance

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- 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
- 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)



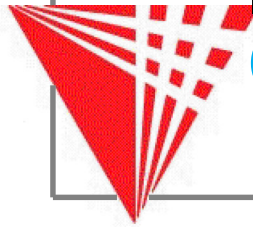
# Research teams @ CS

(<http://science.iit.edu/computer-science/research>)

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## Research Groups

- **Circsim-Tutor**
- Concurrent Programming Research Laboratory
- Database Group
- Data Science @ IIT
- **DataSys: Data-Intensive Distributed Systems Laboratory**
- Information Retrieval Laboratory
- **Lexicography Group**
- Linguistic Cognition Laboratory
- **Machine Learning Laboratory**
- Scalable Computing Software Laboratory
- Testing Maturity Model Project
- **Visual Computing Laboratory**
- Wireless Computing Research Group
- Wireless Networking and Communications Research Center (WiNCom)



**Department of Industrial Technology & Operations**  
([appliedtech.iit.edu/intm](http://appliedtech.iit.edu/intm))

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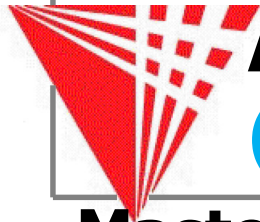
## **Master of Industrial Technology & Operations (30 c.h.)**

### **Specializations:**

- 1. Industrial Facilities**
- 2. Industrial Sustainability**
- 3. Manufacturing Technology**
- 4. Supply Chain Management**

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





# Department of Mechanical, Materials & Aerospace Engineering

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

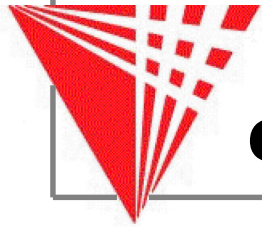
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## **Master ( non-thesis):**

### **Master of Engineering in**

- **Mechanical & Aerospace Engineering**
- **Master of Engineering Management**
- **Master of Engineering in Manufacturing ( 1.5 yrs)**
- **Material Science & Engineering**
- **Master of Computational Engineering**
- **Energy Systems**
- **Advanced Manufacturing**

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



## **Department of Biomedical Engineering (ETSIT, ETSII, ETSIAAB) [engineering.iit.edu/bme](http://engineering.iit.edu/bme))**

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- **Master of Biomedical Engineering**
- **Master of Computational Engineering**
- **Master of Pharmaceutical Engineering**
- **Master of Engineering Management**

**N.B.** *This department has a doctoral degree program*



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

---

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

**(Each course = ~ 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)**

**= 6 credits**

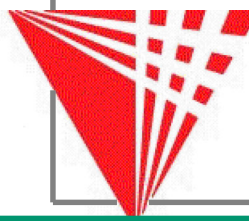
**M.S. at IIT in 1 year (2 semesters)**

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

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

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

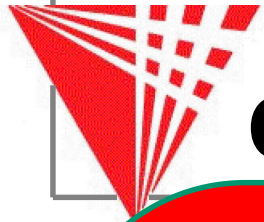
**30 - 6 = 24 credits (U.S.)**



# Procedure for the 1-year Master's degree program

- Pre-selected by UPM
  - Completion of 1<sup>st</sup> yr of Master's at UPM
    - TOEFL min. 90 ibt or IELTS min. 6.5
- GRE general score waived ONLY for all departments under Armour, School of Applied Tech and, only MCS in the College of Science
- GRE General waiver only for IIT Europe partner schools
  - Application deadlines:
    - Fall semester: April 15, or,*
    - Spring semester: October 15*
  - Final decision made by Illinois Tech





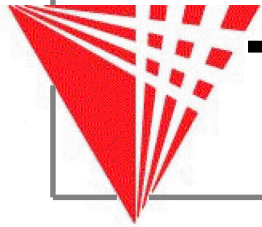
## OUTCOME

- ✓ 6th year at Illinois Tech
- ✓ (Only for ETSIInf Yr 5 and/or Yr 6)
- ✓ Master's in 1 year (12 months)
  - ✓ Includes TFM ( if applicable)
    - ✓ 2 degrees
- ( IIT Master's and UPM Master's equivalent)



EXAMS

ILLINOIS TECH



# TOEFL ibT or IELTS Academic

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## TOEFL or IELTS

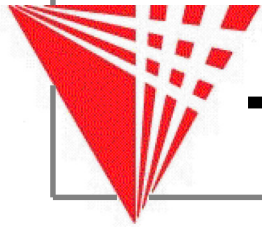
Non-admissible **<70 ; <5.5**

Admissible **70 – 89 ; 5.5 – 6.0** with IIT PESL  
assessment

Admissible **90+ ; 6.5+ ( no IIT PESL assessment)**

Website:

<http://appliedtech.iit.edu/english-language-services/graduate-faq-assessments>



# TOEFL or IELTS & GRE

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**TOEFL score minimum - 90 ibt**

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

**OR**

**IELTS Academic– score minimum - 6.5**

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

**AND**

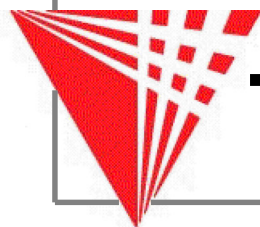
**GRE revised general ( ETS administers this exam)**

**[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 1918. For IELTS they should send it to Grad Admissions**



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

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## **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)

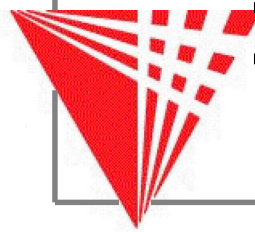
**Cost: \$245 - Year 2019**

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

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

**Cost: ~220 Euros – Year 2019**





# **IIT English Proficiency Requirements**

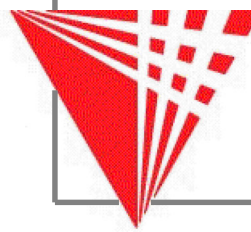
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## **IIT English Proficiency Requirements:**

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

## **PESL:**

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



# The GRE Revised General Exam

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

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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 (2019-2020)



# IIT GRE General MINIMUM Requirements per department

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

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## **Department Of Computer Science**

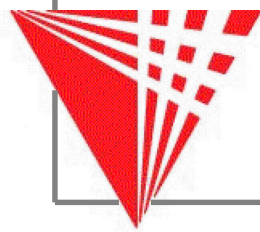
**V+Q= 300 , A = 3.0 (MSCS)**

## **Department of Physics**

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

## **Master of Data Science**

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



# GRE General MINIMUM Requirements for SSB at IIT (Master's Level)

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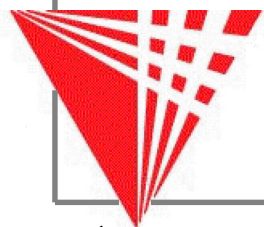
## **STUART SCHOOL OF BUSINESS**

M.S. Finance  $V + Q = 310$

M.S. Environmental Mgmt  $V+Q = 298$

M.S. Marketing Analytics  $V+Q = 298$

Master of Mathematical Finance  $V+Q = 310$



# Double Degree (Master's level - GRADUATE)

- ✓ Pre-selection by UPM 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**)
- ✓ IIT Graduate International application  
<https://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





Example of transfer credits received by past UPM students studying at IIT – can only choose two courses ( 1 course ECTS 6 credits = 3 U.S. credits)

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**UPMMadrid:**

**ETSII-UPM: INTM 502, 404, 477, 531,  
MMAE 484, 502, 525, 574, or ECE 531**

**ETSIT-UPM: CS 470, 532, 542, ECE 407, 409, 421, 436, 437,  
483, 514, 570 or 576**

**ETSIA-UPM: MMAE 502 & MMAE 510**

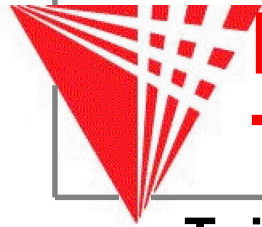
**ETSICCP-UPM: CAE 562, 564**

**ETSIAAB-UPM: FST 521, FST 531**

**N.B. Should achieve 6 out of 10 or higher in courses for transfer of credit**

# COST ( August 2019-May 2020 TUITION AND FEES)

**ILLINOIS TECH**



# Tuition cost for Engineering, Science, Information Technology & Industrial Tech – August 2019-May 2020

Tuition cost for a Masters (32 crédit hours) at I.I.T. (\$1575 per credit) = \$50,400

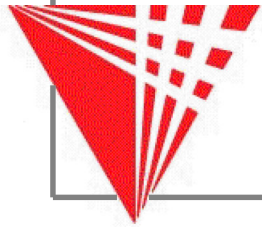
Transfer of 6 crédits eligibility (2 courses) - \$ 9,450

IIT partial merit scholarship ( 12 ch) - \$18,900

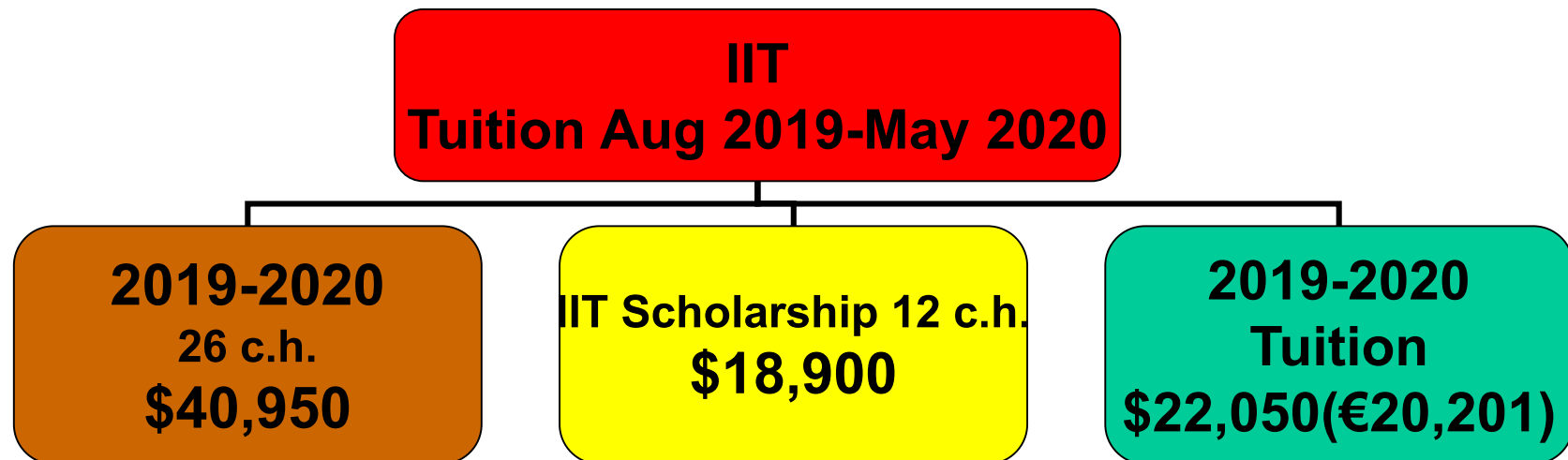
Total tuition cost = \$ 22,050 ou €20,201

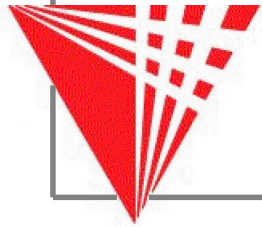
*\*(Exchange rate: 1 Euro = 1.091 USD Sept.26, 2019)*

*\*(Tuition & fee cost may change for August 2020-May 2021)*



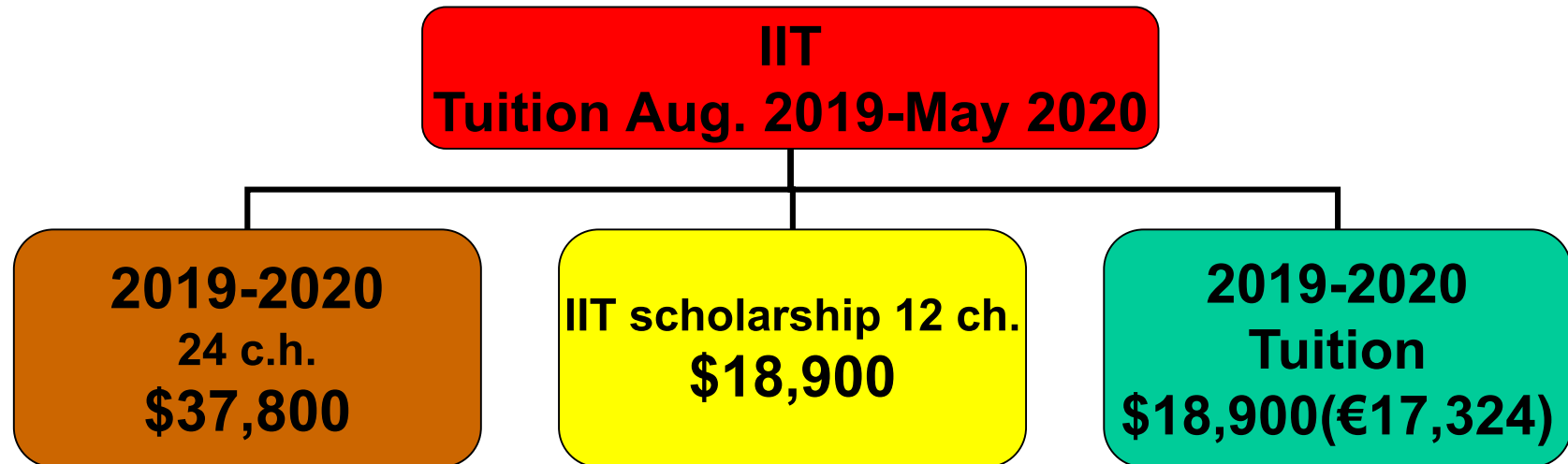
# **IIT Master's degree -32 credits (ECE) – IIT Tuition – August 2019-May 2020**



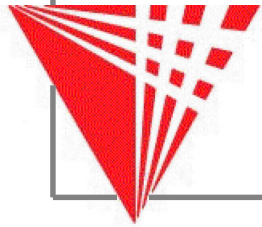


# **IIT Master's Degree ( 30 credits) (ITM, ECE & BME)**

**Tuition– August 2019 – May 2020**







# **Mandatory & Other Fees (2019-2020 – Engineering/Science)**

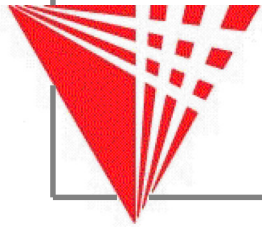
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**August 2019 – May 2020 (1 year = 9 months)**

<b>Health Insurance</b>	<b>\$1,499</b>
<b>Service Fee</b>	<b>\$ 890</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>\$ 250 (one time only)</b>
<b>Total</b>	<b>\$3,499 ( 1 an ~ €3207)</b>

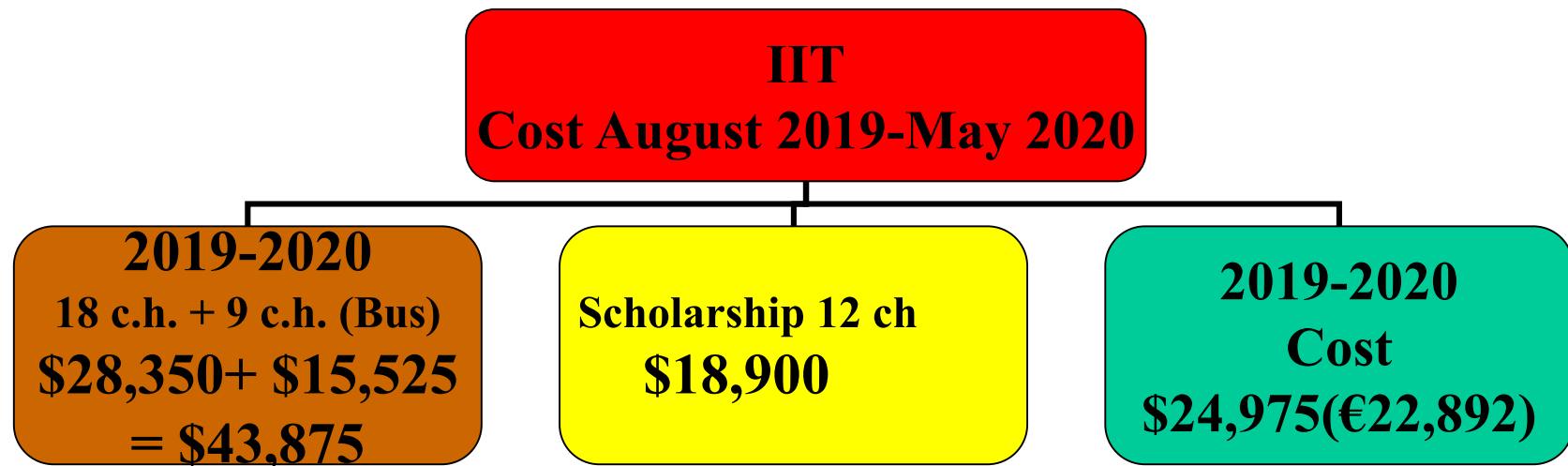
**Tuition & Fees may change for August 2020-May 2021 – check link below**

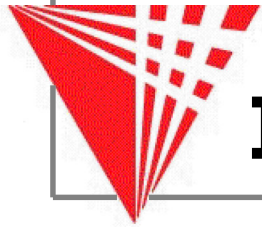
**Exchange rate: 1.091 USD = 1 Euro ( Sept.26, 2019)**



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

## **Tuition cost – August 2019 – May 2020**





# IIT STUART'S SCHOOL OF BUSINESS

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➤ **TFE times ranks 3 SSB Master degree programs –**

**#22 MS Finance:**

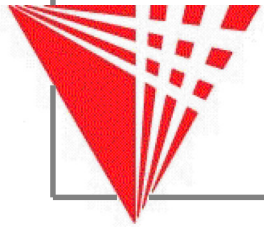
**#17 Master of Mathematical Finance**

**#22 MS Marketing Analytics**

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

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

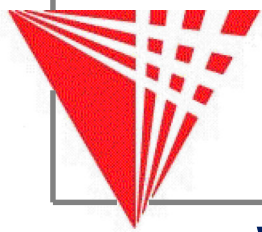
<https://tfetimes.com/best-finance-program-rankings/>



# Graduate Programs offered by IIT's Stuart School of Business

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- **Master of Science ( 33 c.h.)**
  1. **Environmental Management & Sustainability ( Not STEM)**
  2. **Finance ( Not STEM)**
  3. **Management Science**
- **Master of Mathematical Finance (no GMAT required, only GRE) – 33 c.h. ( at least 12 ch from SSB)**

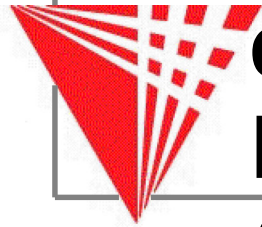


# PROGRAM OFFERED BY IIT STUART SCHOOL OF BUSINESS

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- Weblink: [www.stuart.iit.edu](http://www.stuart.iit.edu)
- Master's programs – 33 credit hours
- Possibility to receive transfer credit of 3 courses ( ~9 credit hours i.e.  $33 - 9 \text{ c.h.} = 24 \text{ credits}$ )
- Cost of tuition same as for ( Aug 2019-May 2020 – 1,575 USD per credit hour -  $33 \text{ ch} = \$51,975$ )
- Admission degree requirements:  
[admissions.iit.edu/graduate/apply](http://admissions.iit.edu/graduate/apply)
- TOEFL 80 ibt or IELTS 7.0
- ✓ **[http://www.stuart.iit.edu/programs/pca/pca\\_faq\\_prospective.shtml](http://www.stuart.iit.edu/programs/pca/pca_faq_prospective.shtml)**
- GRE/GMAT may be waived if a student can show proof of having successfully passed Calculus I & II, Linear Algebra & Statistics
- Scholarship – 9 credits for 1 year

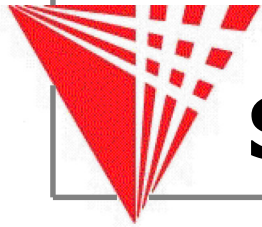




# IIT Application Procedure- Double degree Master's (Stuart School of Business)

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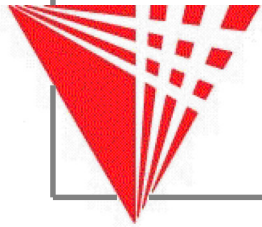
- Submit online application – App fee of \$75 waived for partner schools  
[admissions.iit.edu/graduate/apply/degree-seeking-checklist](https://admissions.iit.edu/graduate/apply/degree-seeking-checklist)
- Will receive an ID number
- Upload certified transcripts in the native language (where applicable) and in English
- Professional Statement/ESSAY and 2 letters of recommendation must be completed ONLINE with ID number
- TOEFL 80 ibt or IELTS 7.0 and GRE/GMAT scores – ask ETS to send them directly to IIT Chicago – Institution code 1318
- GRE/GMAT – Finance 310 GRE or 600 GMAT; Marketing Analytics & Comm 298 GRE or 500 GMAT; Environmental Mgmt 298 GRE or 500 GMAT; Math Fin 310 GRE
- Financial support form
- Resume or Curriculum Vitae
- Certified proof in English only, of 3-yr Bachelor's degree equivalent



# Stuart School of Business

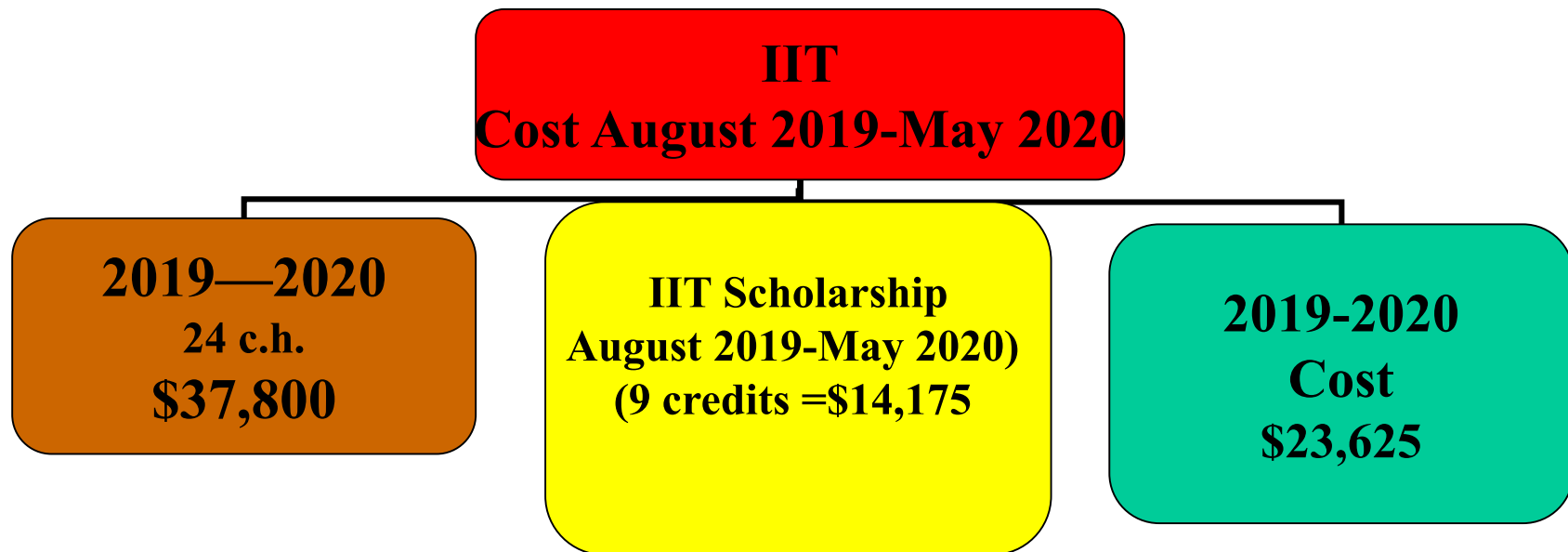
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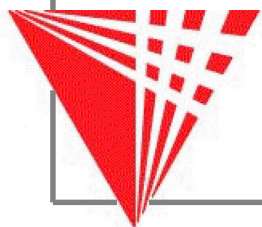
- ✓ **SSB's English Language & Communication**
- ✓ **Program**
- ✓ **All admitted students take the Professional Communication Advancement program (PCA)**
- ✓ **Not based on the TOEFL/IETLS/PTE scores**
- ✓ **Upon arrival, students take a series of tests to assess their English Language proficiency and per the assessment results are then placed in a customized course plan based on their language needs**
- ✓ **[http://www.stuart.iit.edu/programs/pca/pca\\_faq\\_prospective.shtml](http://www.stuart.iit.edu/programs/pca/pca_faq_prospective.shtml) (cost for one PCA course of 1.5 credits = 1,725 USD)**



# **IIT Stuart School of Business :**

## **Cost – August 2019 – May 2020**





## **Mandatory & Other fees(2019-2020)**

### **Stuart School of Business**

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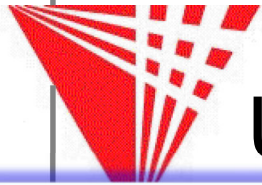
**August 2019 – May 2020**

<b>Health insurance</b>	<b>\$1,499</b>
<b>Service Fee</b>	<b>\$ 896</b>
<b>U-Pass (Transport)</b>	<b>\$ 310</b>
<b>Activity Fee</b>	<b>\$ 250</b>
<b>New Student Fee</b>	<b>\$ 250 ( one time only )</b>
<b>Graduation Fee</b>	<b>\$ 250 (one time only)</b>
<b>Professional co-curricular</b>	<b>\$ 250</b>
<b>Total</b>	<b>\$3,705 ( 1 an ~ €3,396)</b>

**New cost for August 2020-May 2021 will be available in Feb/March 2020:**

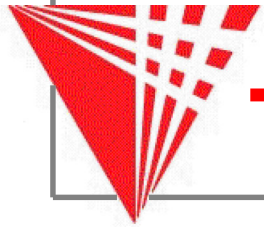
**Exchange rate: 1.091 USD = 1 Euro ( Sept.26, 2019)**

**<https://web.it.edu/student-accounting/tuition-fees/current-tuition/stuart-school-business>**



## UPON GRADUATION - POSSIBILITIES

- ❖ Eligibility to 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 according to specialization
  - ❖ PhD. (Doctorate) in the U.S. or elsewhere
    - ❖ Work in Europe or elsewhere



# The benefits

**New car = €27,000**

**Rolls out of the garage =**

**Value reduced by -20%**

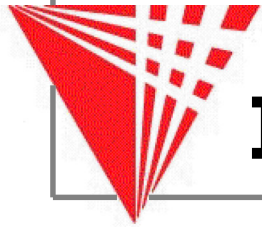


**Master's d'IIT : €27,000**

**Graduate from IIT = Salary:  
€53,000**







# **IIT Alums in Chicago**

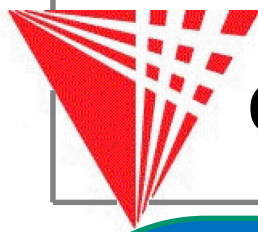
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## **Profesionales Espanoles en Chicago (PEC)**

**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 US"*

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"*

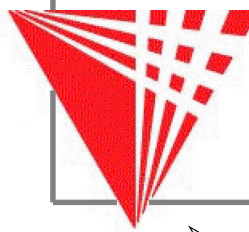
Salary range: *first year 50+ 10K; 3<sup>rd</sup> yr: 65 +10K*  
*"After F1 OPT, and then several H1bs, I got my green card last year, 9 years after I arrived in the USA"*

Current job position: Senior Associate for Strategy



# PROGRAM II: RESEARCH GRADUATE

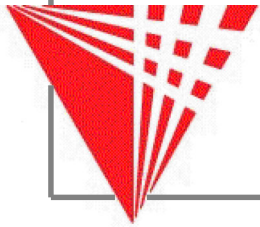
**ILLINOIS TECH**



# Program II – Research - GRADUATE PROCEDURE

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- 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**

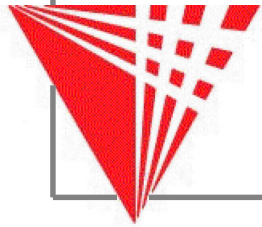


- Application deadlines:
  - *Spring: Nov 1: Fall: Feb 15*
  - Pre-selection by UPM
- NO TOEFL nor GRE required
- Proof of Intermediate level in English required
- Research period: 6 months
- Registration fee at IIT for 3 credits ( 4,725 USD)  
*(August 2019-May 2020 cost)*

# SOME RESEARCH CENTERS & LABS

**ILLINOIS TECH**

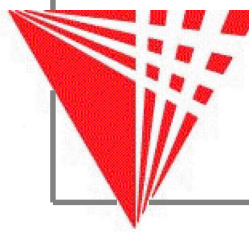




# Research Centers & Labs @ IIT

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- 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



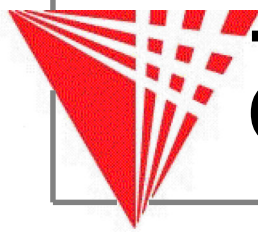
# ECASP Research Laboratory

<http://ecasp.ece.iit.edu/>

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## Current projects:

- Reconfigurable Ultrasonic System-on-chip Hardware (RUSH) for Ultrasonic Non-Destructive Testing
- IoT based Smart Mobile Sensing System using Wireless Sensor Network and Home Automation System
- Machine Vision & Assistive System for Visually Impaired people
- FPGA Design of Software Defined Radio



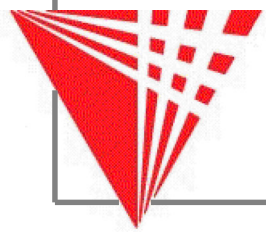
# **Illinois Tech Research Institutes & Centers**

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- **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 –  
EXCHANGE OR  
VISITING**

**ILLINOIS TECH**



## **Program III–**

### **Undergraduate Non-degree Visiting &/or Exchange for a semester/year**

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- **Pre-selected by UPM**
- **Application deadline April 15 for Fall and November 1 for Spring**
- **List of courses to be taken at IIT**
- **Pursue courses for one semester or for one year ( minimum 12 c.h. per semester)**
- **TOEFL 80 ibt or IELTS 6.5**
- **Visa J1 non-degree visiting**

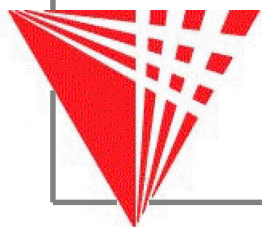


# Undergraduate Application Procedure

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- **IIT international undergraduate Application Form**  
<https://admissions.iit.edu/undergraduate/apply/non-degree-vandercook-and-rotc>
- **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)**
- **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 the name page of your valid passport**
- **List of courses you'd like to take at IIT**





# Cost of Attendance – tuition only UNDERGRADUATE

## Non-degree Visiting students

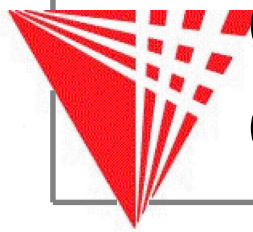
(August 2019-May 2020)

	<u>1 year</u>	or <u>1 semester</u>
<b>Tuition</b>	<b>\$47,480</b>	<b>\$23,740</b>
<b>Scholarship</b>	<b>-\$20,000</b>	<b>-\$ 10,000</b>
<b><u>Cost due to IIT</u></b>	<b><u>\$27,480</u></b> (€25,188)	<b><u>\$13,740</u></b> (€12,594)

(Room & Board is extra)

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

Exchange rate: 1 Euro= 1.091 USD ( Sept 26, 2019)

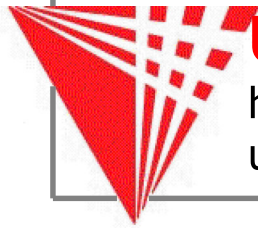


## **Cost for 1 Exchange student from Comillas**

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

# **Mandatory & Other Fees – 1 year**



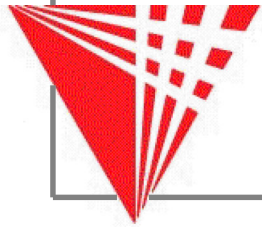
**Undergraduate level – Aug 2019- May 2020**

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

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<b>Health Insurance</b>	<b>\$1,499</b>
<b>Activity Fee</b>	<b>\$ 250</b>
<b>Student Service Fee</b>	<b>\$ 890</b>
<b>U-Pass Fee</b>	<b>\$ 310</b>
<b>New Student fee</b>	<b>\$ 350</b>
<b>Total</b>	<b>\$3,299 (€3,024)</b>

**Exchange rate: 1 Euro = 1.091 USD (Sept. 26,2019)**



## **Mailing of Undergraduate documents:**

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**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**

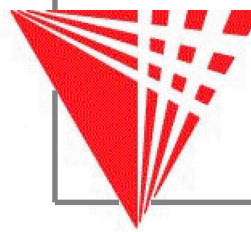
**USA**

**P: 312 567 3025**

# On-campus Housing @ IIT Gunsaulus Hall

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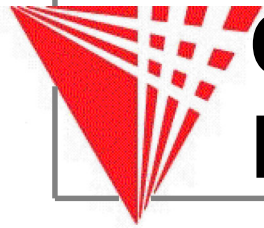




# On-campus Housing – State Street Village (SSV) designed by Helmut Jahn







# On-campus Housing @ IIT McCormick Student Village

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# ACCOMMODATION (Aug 2019- May 2020)

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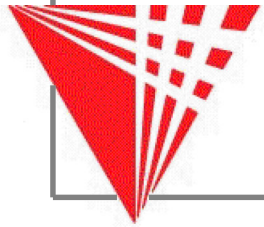
## **ROOM RATES ON CAMPUS:**

**2019-2020%20Room%20Rate%20Sheet%20-%20New%20Rates%20(Repaired)(1).pdf**

(Price range:~ \$6,642 - \$ 18,520 based on type of residence and room)

**BOARD/MEAL RATES ON CAMPUS:2019-2020%20Board%20Rate%20Sheet%202.pdf**

(Price range: ~\$1,630 to \$6,740 depending on the meal plan per week)

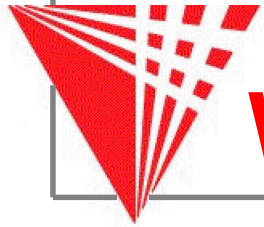


# ACCOMMODATION

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**In the city :** ~ min. \$1,500 (€690-shared) or €1,300 (studio -1 person) – without meals, and unfurnished

Exchange rate: 1 Euro = 1.091 USD (Sept. 26, 2019)



## **Websites**

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**ARMOUR COLLEGE OF ENGINEERING**

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

**COLLEGE OF SCIENCE**

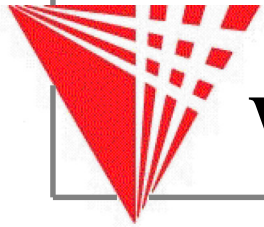
**[science.iit.edu](http://science.iit.edu)**

**STUART SCHOOL OF BUSINESS**

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

**SCHOOL OF APPLIED TECHNOLOGY**

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



## Websites

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**IIT**

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

**TOEFL**

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

**GRE general**

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

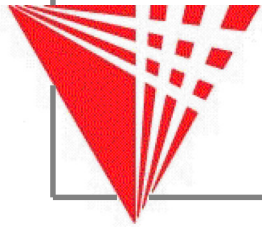
**IELTS**

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

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

**IIT Athletics:**

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



# CHOICE OF COURSES AT IIT

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## IMPORTANT POINTS TO REMEMBER:

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

### 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





# Your journey to Illinois Tech begins!



Illinois Institute of Technology





Illinois Institute of Technology

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**For further information:**

**[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**