Illinois Institute of Technology

Chicago: The City That IIT Built

3rd 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

Illinois Institute of Technology

About

Illinois Tech
Illinois Tech
“A vibrant campus in a global city”

Illinois Institute of Technology

Illinois Tech- Student Center

Illinois Institute of Technology
The IIT campus – Winter & Spring

Our Location

IIT: Illinois Institute of Technology
Location: Chicago, Illinois
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

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

- 1 U.S. Credit = ~2 ECTS credits
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 ($14,175 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

Member of the Association of Independent Technological Universities
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
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 Institute of Technology

MAJOR IIT INVENTIONS BY ILLINOIS TECH’S ALUMNAE

- CELL PHONE
  - IIT alumnus Marty Cooper
- MAGNETIC TAPE
  - RECORDING
    - IIT Alumnus Marvin Camras
- BAR CODE PRINTER
  - IIT alumnus Ed Kaplan

Martin Cooper (IIT Alum)

- 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

“For 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 (IIT Alum)

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

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 Recording

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

- 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 Chandrashekhar  
(M.S. CS 1988)  
Member of the Team that Developed the Pentium Chip

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

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

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

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

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

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/)

IIT Research collaborations

With:

- Argonne National Laboratory
- Fermi Lab
- U.S. Department of Energy
IIT SPORTS
Mascot: SCARLET HAWKS
Illinois Institute of Technology

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
Partners

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**

**Fall Semester**
Mid-August to mid-December
*(Recommended Fall application deadline – April 15)*

**Spring Semester**
Mid-January to mid-May
*(Recommended Spring application deadline – October 15 of the previous year)*

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

Illinois Institute of Technology

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**INTERDISCIPLINARY 1-YEAR MASTER DEGREES**
Interdisciplinary Majors– Graduate Level – 30 crédits

- 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 Advanced 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.)

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

- Master of Engineering Management
  - Product Design & Dev Track (MMAE)
  - Project Management Track (CAEE)
Interdisciplinary Majors @ IIT
30 credit hours (c.h.)

- **Master of Engineering in Urban Systems**
  - Urban Transportation Systems Track (CAEE)
  - Urban Buildings Systems Track (CAEE)
  - Monitoring & Control of Urban Systems (CAEE)

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

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

- **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

- **Master of Pharmaceutical Engineering**
  (CHBE)
I: DOUBLE DEGREE MASTER

II. RESEARCH – 6 MONTHS

III. UNDERGRADUATE EXCHANGE (GE3 or bi-lateral)

ILLINOIS TECH

Departments @ IIT for UPC

Armour College of Engineering
Dept of Mechanical, Materials & Aerospace Eng (e.g. ESEEIAT, ETSEIB)
Dept of Biomedical Engineering (e.g. ETSEIB, ETSETB)
Dept of Electrical & Computer Engineering (e.g. ETSETB, ETSEIB, ESEEIAT)
Dept of Civil, Architectural & Environmental Eng (e.g. ETSICCP)
Dept of Chemical & Biological Eng (e.g. ETSEIB)

School of Applied Technology
Dept of Information Technology & Management (e.g. ETSETB, ETSEIB)
Dept of Industrial Technology & Operations (e.g. ETSEIB-UPC)

N.B. – Examples are provided in parenthesis with regard to the correspondence between UPC faculties and departments at IIT. However, if for example, an ETSEIB student wishes to pursue a field in a different department, it is possible as long as UPC agrees with it.
**Departments @IIT**

**College of Science**
- Dept of Computer Science (e.g. ETSETB, ETSEIB)
- Dept. Of Physics (M.S. in Applied Physics)** (e.g. ETSEIB, ETSETB, ESEEIAT)
- Dept. Of Biology
- Dept. Of Chemistry
- Dept. Of Applied Mathematics

**College of Architecture**
- UG Exchange/visiting (e.g. ETSAB)

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

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**1-Year MASTER DEGREE**
(Engineering/Computer Science, Applied Physics, Information Technology & Management and/or Industrial Technology & Operations)

**1st Year**
- UPC - Master

**2nd Year**
- IIT
- IIT 1-year Master’s degree
- UPC’s Degree
Department of Electrical & Computer Engineering (engineering.iit.edu/ece)

- 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 (engineering.iit.edu/cae) (Camins-UPC)

- Master of:
  - Construction Engineering & Management
  - Architectural Engineering
  - Structural Engineering
  - Transportation Engineering
  - Public Works
  - Environmental Engineering
  - Engineering Management – Project Management track
  - M.Eng in Urban Systems Engineering

N.B. The department has a doctoral program (Ph.D.)
Department of Mechanical, Materials & Aerospace Engineering
(engineering.iit.edu/mmae)

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 (engineering.iit.edu/bme)

- Master of Biomedical Engineering
- Master of Computational Engineering
  (Biomedicine track)

N.B.: The department has a doctoral program
### Illinois Institute of Technology

#### Department of Applied Math
( FME-UPC applicants)

( science.iit.edu/applied-mathematics)

- **Master of Mathematical Finance (1 yr)** in collaboration with IIT -Stuart School of Business (cost per credit hour same as for Engineering $1575 August 2019-May 2020):

- **Master of Science in Applied Math (32 c.h.)**

N.B.- The department has a Doctoral program

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#### IIT Department of Chemical & Biological engineering
(engineering.iit.edu/chbe)

- **MASTER:**
  - Master of Chemical Engineering (30 c.h.)
  - Master of Biological Engineering (30 c.h.)
  - Master of Computational Engineering (30 c.h.) — Computational Chemical Engineering track

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

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Illinois Institute of Technology
Department of Physics
(science.iit.edu/physics)

- Master of Science in Physics (32 c.h.) with up to 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
  - **Applied Physics trains students interested in optics, laser technology, semi-conductors, nuclear energy, nanofabrication, biotechnology

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

Illinois Institute of Technology

Department of Biology
(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)

Illinois Institute of Technology
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
   - Software Development
   - Systems Administration
   - Computer & Information Security
   - Data Center Operations
   - 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 Industrial Technology & Operations
(appliedtech.iit.edu/intm)

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

Illinois Institute of Technology
Department of Computer Science
science.iit.edu/computer-science

✓ Master of Data Science (33 c.h.)
  science.iit.edu/programs/graduate/master-data-science
✓ Master of Science in Computer Science (MSCS) (32 c.h.)
  science.iit.edu/programs/graduate
✓ Master of Computer Science (MCS) 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. - This department has a Doctoral program

Illinois Institute of Technology

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
- 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

Illinois Institute of Technology
Research teams @ CS
(http://science.iit.edu/computer-science/research)

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)

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)

<table>
<thead>
<tr>
<th>Credits</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>34 - 6</td>
<td>28</td>
</tr>
<tr>
<td>33 - 6</td>
<td>27</td>
</tr>
<tr>
<td>32 - 6</td>
<td>26</td>
</tr>
<tr>
<td>30 - 6</td>
<td>24</td>
</tr>
</tbody>
</table>
Procedure for the 1-year Master’s degree program

- Pre-selected by UPC
- Completion of 1st yr of Master’s at UPC
- TOEFL min. 90 ibt or IELTS min. 6.5
- GRE general score waived for all departments under Armour, School of Applied Tech and, only MCS in the College of Science
- GRE required for all other 1-year Master degree programs under the Department of Computer Science and other departments under the College of Science
- Application deadlines:
  - Fall semester: April 15, or,
  - Spring semester: October 15
- Final decision made by Illinois Tech

For FME students ONLY

- next two slides
M.S. in Applied Math & Ph.D.
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: 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 6th 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
For all UPC Master level students

- 6th year at Illinois Tech
- Master’s in 1 year (12 months)
- Includes TFM (if applicable)
- 2 degrees
  (IIT Master’s and UPC Master’s equivalent)

EXAMS

ILLINOIS TECH
### TOEFL ibT or IELTS Academic

<table>
<thead>
<tr>
<th>TOEFL or IELTS</th>
<th>Non-admissible</th>
<th>Admissible</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&lt;70 ; &lt;5.5</td>
<td>70 – 89 ; 5.5 – 6.0 with IIT PESL assessment (English language exam and/or English courses at an extra cost)</td>
</tr>
<tr>
<td></td>
<td>Admissible</td>
<td>90+ ; 6.5+ (no IIT PESL assessment)</td>
</tr>
</tbody>
</table>

Website:
http://appliedtech.iit.edu/english-language-services/graduate-faqs-assessments

Illinois Institute of Technology

### TOEFL or IELTS & GRE

<table>
<thead>
<tr>
<th>TOEFL or IELTS &amp; GRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOEFL score minimum - 90 ibt</td>
</tr>
<tr>
<td><a href="http://www.toefl.org">www.toefl.org</a> – (ETS administers this exam)</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>IELTS Academic – score minimum - 6.5</td>
</tr>
<tr>
<td><a href="http://www.ielts.org">www.ielts.org</a> (IELTS administers this exam)</td>
</tr>
<tr>
<td>AND</td>
</tr>
<tr>
<td>GRE revised general (ETS administers this exam)</td>
</tr>
<tr>
<td><a href="https://www.ets.org/gre/revised_general/about">https://www.ets.org/gre/revised_general/about</a></td>
</tr>
<tr>
<td>Score minimum – per department at IIT</td>
</tr>
<tr>
<td><a href="https://admissions.iit.edu/graduate/apply/gre-requirements">https://admissions.iit.edu/graduate/apply/gre-requirements</a></td>
</tr>
</tbody>
</table>

Must request ETS to send your Official TOEFL and GRE scores directly to IIT Chicago – Institution code 1318. For IELTS, they should send it to Grad Admissions.
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

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

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

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

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

Department of Applied Mathematics  
V+Q= 304, A = 3.0
### 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](admissions.iit.edu/graduate/apply/english-proficiency-requirement)
- GRE general (request ETS to send your official score directly to IIT Chicago –Institution code 1318) depending on the type of Master degree program
- IIT Graduate International application
  [https://admissions.iit.edu/graduate/apply/degree-seeking-checklist](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 Illinois Institute of Technology

### 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 credit hours) at I.I.T. ($1575 per credit) = $50,400

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

IIT partial merit scholarship (9 ch) - $14,175

Total tuition cost = $26,775 ou €24,542

*(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 (Engineering/Science/Tech) Tuition – August 2019-May 2020
IIT Master’s Degree (30 credits)
(Engineering/science/Tech)
Tuition – August 2019 – May 2020

IIT
Tuition Aug. 2019-May 2020

2019-2020
24 c.h.
$37,800

IIT scholarship 9 ch.
$14,175

2019-2020
Tuition
$23,625(€21,654)

Mandatory & Other Fees (2019-2020 – Engineering/Science) -
Additional
August 2019 – May 2020 (1 year = 9 months)
Health Insurance $1,499
Service Fee $ 890
U-Pass (Transport) $ 310
Activity Fee $ 250
New Student Fee $ 300 (one time only)
Graduation Fee $ 250 (one time only)
Total $3,499 (1 an ~ €3207)

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
Cost August 2019-May 2020

2019-2020
18 c.h. + 9 c.h. (Bus)
$28,350+ $14,175
= $42,525

SCHOLARSHIP 9 c.h.
$14,175

2019-2020
Cost
$28,350($25,985)

IIT’s STUART SCHOOL OF BUSINESS (www.stuart.iit.edu)

ARE YOU INTERESTED IN PROGRAMS OFFERED BY

IIT’S STUART SCHOOL OF BUSINESS ???

IF YES, the next 10 slides provide pertinent information
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

- Master of Business Administration
- Master of Science (33 c.h.)
  1. Environmental Management & Sustainability
  2. Finance
  3. Marketing Analytics & Communication
- Master of Mathematical Finance (no GMAT required, only GRE) – 33 c.h. (at least 12 ch from SSB)
- Master of Technological Entrepreneurship(30 c.h.)
### GRE General MINIMUM Requirements for SSB at IIT (Master’s Level)

**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

### PROGRAM OFFERED BY IIT STUART SCHOOL OF BUSINESS

- Weblink: 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 c.h. = 24 credits)
- Cost of tuition same as for (Aug 2019-May 2020 – 1,575 USD per credit hour - 33 ch = $51,975)
- Admission degree requirements: admissions.iit.edu/graduate/apply
- TOEFL 85 ibt or IELTS 7.0
- 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 (first two semesters)
**IIT Application Procedure- Double degree Master’s (Stuart School of Business)**

- Submit online application – App fee of $75 waived for partner schools
  [admissions.iit.edu/graduate/apply/degree-seeking-checklist](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 85 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

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**Stuart School of Business**

- **SSB’s English Language & Communication Program**
  - All admitted students take the [Professional Communication Advancement program (PCA)](http://www.stuart.iit.edu/programs/pca/pca_faq_prospective.shtml)
  - 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:
Tuition – August 2019 – May 2020

IIT Cost August 2019-May 2020

2019—2020
24 c.h.
$37,800

SCHOLARSHIP
(August 2019-May 2020)
(9 credits =$14,175)

2019-2020
Cost
$23,625

Other fees(2019-2020) (Stuart School of Business)

August 2019 – May 2020 (1 year- 9 months)
Assurance (Health) $1,499
Service Fee $ 896
U-Pass (Transport) $ 310
Activity Fee $ 250
New Student Fee $ 250 (one time only)
Graduation Fee $ 250 (one time only)
Professional co-curricular $ 250
Total $3,705 (1 an ~ €3,396)

New cost will be posted in Feb/March 2020:
Exchange rate: 1.091 USD = 1 Euro (Sept.26, 2019)
https://web.iit.edu/student-accounting/tuition-fees/current-tuition/stuart-school-business
CHOICE OF COURSES AT IIT

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 April 15

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 from IIT : €27,000
Graduate from IIT = Salary: €53,000

IIT Alums in Chicago

Profesionales Españoles 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; 3rd 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

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
- 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

- 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 Lab
- 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
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

- 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 &/or Exchange for a semester/year for ETSAB

- Pre-selected by UPC
- 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

- 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)

<table>
<thead>
<tr>
<th></th>
<th>1 year</th>
<th>or 1 semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$47,480</td>
<td>$23,740</td>
</tr>
<tr>
<td>Scholarship</td>
<td>-$20,000</td>
<td>-$10,000</td>
</tr>
<tr>
<td>Cost due to IIT</td>
<td>$27,480 (€25,188)</td>
<td>$13,740 (€12,594)</td>
</tr>
</tbody>
</table>

(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

- No tuition fee to IIT

- UPC Exchange student will pay the Mandatory and Other fees at IIT

- UPC Exchange student will be responsible for his/her living and other expenses

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Mandatory & Other Fees – 1 year

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

[Link to Tuition Fees](https://web.iit.edu/student-accounting/tuition-fees/current-tuition/main-campus-undergraduate)

<table>
<thead>
<tr>
<th>Service</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Health Insurance</td>
<td>$1,499</td>
</tr>
<tr>
<td>Activity Fee</td>
<td>$250</td>
</tr>
<tr>
<td>Student Service Fee</td>
<td>$890</td>
</tr>
<tr>
<td>U-Pass Fee</td>
<td>$310</td>
</tr>
<tr>
<td>New Student fee</td>
<td>$350</td>
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</tbody>
</table>

**Total** $3,299 (€3,024)

N.B. 1. These fees have to be paid by both Exchange and Visiting UG students

2. For Visiting students, they pay the tuition and the Mandatory & Other fees.

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

Illinois Institute of Technology
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 2019- May 2020)

ROOM RATES ON CAMPUS:

(Price range: ~ $6,642 - $18,520 dependent on the type of room and building)

BOARD/MEAL RATES ON CAMPUS: 2019-2020%20Board%20Rate%20Sheet%202.pdf
Price range: ~$1,630 to $6,740 dependent on the meal plan of choice)

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

<table>
<thead>
<tr>
<th>Website</th>
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<tbody>
<tr>
<td>IIT</td>
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</tr>
<tr>
<td>COLLEGE OF SCIENCE</td>
<td>science.iit.edu</td>
</tr>
<tr>
<td>STUART SCHOOL OF BUSINESS</td>
<td><a href="http://www.stuart.iit.edu">www.stuart.iit.edu</a></td>
</tr>
<tr>
<td>SCHOOL OF APPLIED TECHNOLOGY</td>
<td>appliedtech.iit.edu</td>
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<td><a href="https://www.illinoistechathletics.com/landing/index">https://www.illinoistechathletics.com/landing/index</a></td>
</tr>
</tbody>
</table>

Illinois Institute of Technology
For further information:

europe@iit.edu

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