Illinois Institute of Technology
Chicago, U.S.A.
www.iit.edu

Presented by:
Dr. Vanita Misquita Ph.D.
Director of Overseas Programs
europe@iit.edu

CHICAGO: THE CITY THAT IIT BUILT

ILLINOIS INSTITUTE OF TECHNOLOGY

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

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
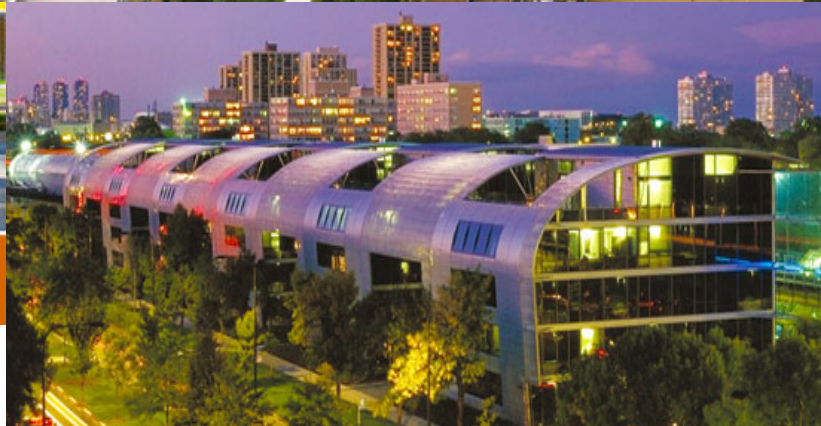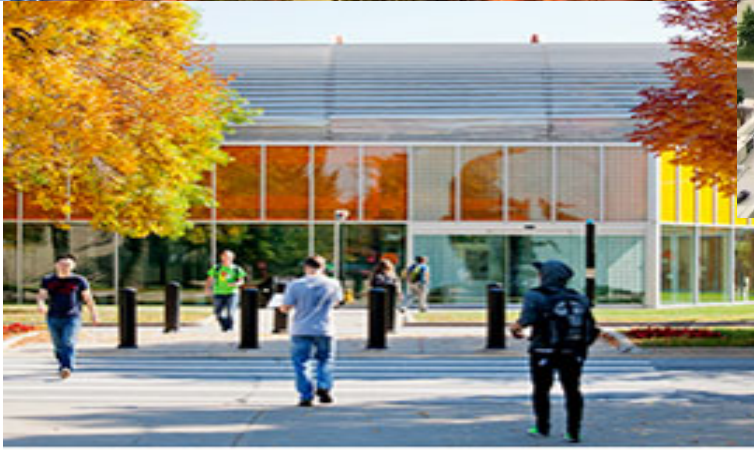
➢ 1 U.S. Credit = ~2 ECTS credits

http://www.ensea.fr/en/page/fame-program

Illinois Tech
"A vibrant campus in a global city"

WE ARE **ILLINOIS TECH**

See Illinois Tech in 106 seconds.

Visit IIT ➡

WHERE WILL YOU LIVE? »

Illinois Institute of Technology

The Campus

The IIT campus –Winter & Spring

IIT SPORTS
Mascot: SCARLET HAWKS

ILLINOIS TECH
SCARLET HAWKS
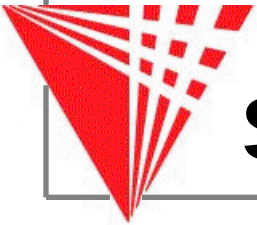
Illinois Institute of Technology

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

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

American System of Education

- **Undergraduate, Graduate**

- **Academic Calendar**

- **Credit hour(s)**

- **Grading System**

- **GPA –Grade Point Average**

Statistics

- **Undergraduates   2,858**
- **Master's   3, 253**
- **PhD's   615**
- **J.D.'s   888**
- **Non-degree   236**

Total   7,850

Our Location

IIT: Illinois Institute of Technology
Location: Chicago, Illinois

OTHER STATISTICS

- Ranks 96 among Best Colleges in the U.S. 2018 edition
https://www.usnews.com/best-colleges/illinois-institute-of-technology-1691

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

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

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 - scholarship offered to those who qualify for admission to IIT (12 credits – 18,360 USD (Aug 2018 -May 2019)**

- **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

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**

° **Universidad Pontificia Comillas, Madrid**

° **EHU Bilbao –Universidad del Pais Vasco (UPV)**
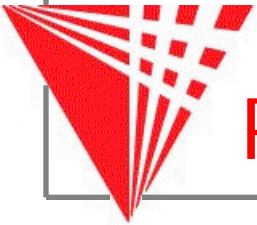
Program Options

Graduate level

- **I. Double degree Master's program in 1 year for ETSIT, ETSII, ETSIInf, ETSIAgronomos, ETSICCP, & ETSIAE**

- **II. Research (Trabajo fin de Master's) for a period of 6 months or upto 1 year maximum for the above schools**

Undergraduate Level

- **III. Undergraduate Non-degree visiting for ETSAM & ETSICCP**

Departments @ IIT

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, ETSII-UPM)

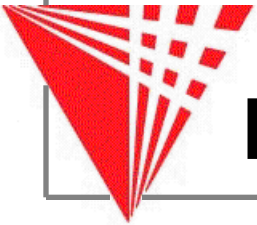Dept of Civil, Architectural & Environmental Eng (ETSICCP-UPM)

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 (ETSII-UPM)

Institute of Food Safety & Health (ETSIAgronomos-UPM)

Departments @IIT

College of Science

Dept of Computer Science (ETSIT-UPM)

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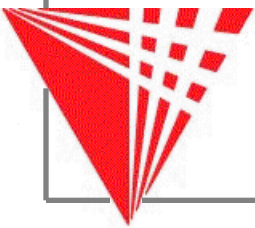
Dept. Of Biology

Dept. Of Chemistry

Dept. Of Applied Mathematics

College of Architecture

**Applied Physics trains engineering students seeking careers in the area of nanotechnology

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

Department of Computer Science
science.iit.edu/computer-science

Master of Data Science (33 c.h.)

http://iit.edu/csl/programs/professional_masters/ds_academics.shtml

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

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

Computational Intelligence   *Finance*

Cyber-Physical Systems   *Business*

Data Analytics   *Networking & Comm*

      Database systems

           Distributed & Cloud Computing

    Education

Information Security & Assurance   *Software engineering*

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

# 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 Physics (science.iit.edu/physics) (ETSIT, ETSII-UPM)

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

- **Master of Science in Applied Physcis (32 c.h.) for those with an engineering background – with TFM included**

  - **http://science.iit.edu/programs/graduate/master-science-applied-physics**

N.B – The department has a Doctoral program (Ph.D. level)
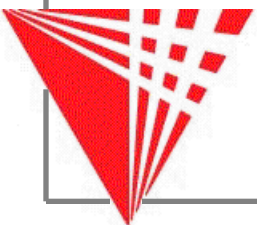
Department of Chemistry (science.iit.edu/chemistry)

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

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

Department of Applied Math
(science.iit.edu/applied-mathematics)

- **Master of Mathematical Finance (1 yr)** **in collaboration with IIT -Stuart School of Business (cost per credit hour $1,725 @ Stuart School of Business August 2018-May 2019) : IIT Partner scholarship will NOT apply**

- **Master of Science in Applied Math (32 c.h.)**
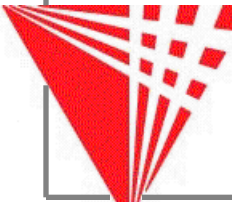
- **No Ph.D. (Doctoral) Program**

Department of Civil, Architectural & Environmental Engineering (engineering.iit.edu/cae) – for ETSICCP & ETSII

➢ <u>**Master of Engineering (M.Eng) 32 c.h. in :**</u>

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

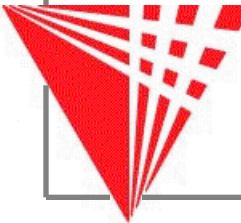**N.B. The department has a doctoral program (Ph.D.)**

Department of Mechanical, Materials & Aerospace Engineering
(engineering.iit.edu/mmae)

Master of Engineering (non-thesis) in

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

N.B. - The department has a Doctoral program

Department of Information Technology & Management (appliedtech.iit.edu/itm)- For ETSIINF, ETSIT, ETSII-UPM

1. Master of Cyber Forensics & Security (30 c.h.)

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

- Web Design   Systems Analysis
                    Management Information Systems
    Digital Systems Technology   Data Center Operations
          Software Development   Systems Administration
    Computer & Information Security   Data Management
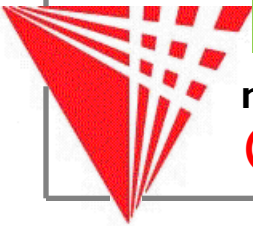   Information Technology Management & Entrepreneurship
                    Computer & Network Security
Information Technology Infrastructure

N.B. This department has no Doctoral program yet

- Master of Food Process Engineering (Non-thesis option with research project)

- Master of Food Safety & Technology (Non-thesis option with research project)

N.B. : The department has no Doctoral program

Department of Chemical & Biological Engineering (engineering.iit.edu/chbe)- ETSII-UPM

Master of Chemical Engineering (30 c.h.)

Master of Biological Engineering (30 c. h.)

N.B. The department has a Doctoral program

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.)

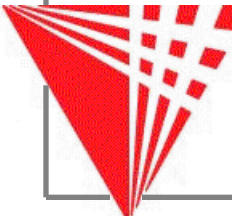**Master of VLSI & Microelectronics (30 c.h.)**

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N.B. – This department has a Doctoral program

New interdisciplinary majors for Fall 2018 – Graduate Level (30ch)

- Master of Energy Systems (ETSII, ETSICCP)
  https://engineering.iit.edu/programs/graduate/master-engineering-energy-systems

- Urban Systems Engineering (ETSII, ETSICCP)
  https://engineering.iit.edu/programs/graduate/master-engineering-urban-systems
   -engineering

- Engineering Management (ETSII, ETSIT, ETSICCP)
  https://engineering.iit.edu/programs/graduate/master-engineering-management)

- Master of Engineering in Advance Manufacturing(ETSIAE, ETSII)
  https://engineering.iit.edu/programs/graduate/master-engineering-advanced
   -manufacturing

- Master of Computational Engineering (ETSIT, ETSII)
  https://engineering.iit.edu/programs/graduate/master-computational-engineering

- Master of Pharmaceutical Engineering (ETSII)

- https://engineering.iit.edu/programs/graduate/master-pharmaceutical-engineering
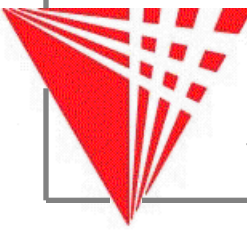
New Interdisciplinary Majors @IIT 30 credit hours (c.h.)

- **Master of Engineering Management**
  - Product Design & Dev Track (MMAE)
 - Project Management Track (CAE)

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

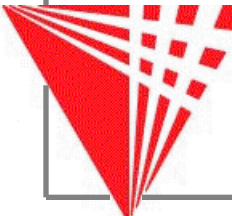# New Interdisciplinary Majors @IIT 30 credit hours (c.h.)

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

- **Master of Pharmaceutical Engineering** (CHBE)
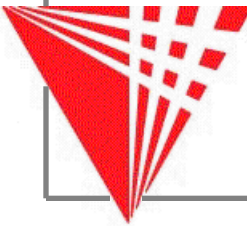
New Interdisciplinary Majors @ IIT (30 credit hours (c.h.)

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

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

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

MASTER'S DEGREE at IIT - GRADUATE

Master's degree =   30, 32, 33 or 34 <u>credits</u>
(Each course usually equals 3 hours)
 i.e. 3 contact hours per week with a professor)
32 credits = ~11 courses

Transfer of credit of 2 courses (validated by IIT)
                                =   less <u>6 credits</u>

M.S. at IIT in 1 year (2 semesters)
34 - 6	=	28 credits
33 - 6	=	27 credits
32 - 6	=	<u>26 credits</u>
30 - 6	=	<u>24 credits</u>

Academic Calendar

<u>Fall Semester</u>

Mid-August – mid-December

(Recommended deadline – 15 April)

* * * * *

<u>Spring Semester</u>

Mid-January – mid-May

(Recommended deadline – 15 October)

Web.iit.edu/registrar/academic-calendar

Illinois Institute of Technology

Procedure for the Master's double degree program

- ➢ Pre-selected by UPM
- ➢ Completion of 1st yr Master's at UPM
- ➢ TOEFL min. 90 ibt or IELTS min. 6.5
- ➢ GRE general revised exam score minimum for the department
- ➢ Application deadlines:
Fall semester: April 15, or,
Spring semester: October 15
- ➢ Final decision made by Illinois Tech

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)

TOEFL ou IELTS

TOEFL ou IELTS

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

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

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

Cost (Spain) :   2018:   245 USD - TOEFL

                                          216 Euros - IELTS

Website:

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

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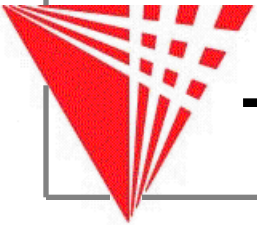
TOEFL TEST DATES & LOCATIONS IN SPAIN

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 2018

IELTS TEST DATES & LOCATIONS IN SPAIN

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

Cost: 216 Euros – Year 2018

TOEFL or IELTS & GRE

TOEFL score minimum - 90 ibt

www.toefl.org – (ETS administers this exam)

OR

IELTS – score minimum - 6.5

www.ielts.org(IELTS administers this exam)

AND

GRE revised general (ETS administers this exam)

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 1318. For IELTS, they should send it to Grad Admissions: IELTS electronic delivery system

IIT English Proficiency requirements

IIT English Proficiency Requirements:

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

PESL:

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

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

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

Attention:

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

- Students with an **iBT OVERALL SCORE OF 90+ or IELTS score of 6.5+ or PTE score of 63+** may be unconditionally admitted (if all other elements meet IIT's admission requirements)

- Students with a TOEFL iBT score of less than 70, or IELTS less than 5.5 or PTE less than 53 will NOT be admissible

- Students with a **TOEFL iBT overall score of 70 – 89, IELTS 5.5-6.0 or PTE of 47 - 62 will be required to take an assessment in each section that falls below the minimum score -TOEFL ibt for each section below 20, PTE below 53, IELTS below 6.5**

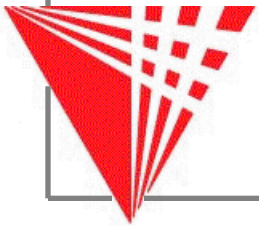- For updated information regarding the assessment exam please visit the PESL Assessment FAQs page - http://appliedtech.iit.edu/english-language-services/graduate-faqs-assessments

3 sections:

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

Cost: 205 USD (2017-2018)

Department of Information Tech Mgmt

V+Q = 295 (151Q; 144V), A = 3.0

Department of Electrical & Computer Engineering

V+Q= 304 (159Q), A = 3.5

Department of Mechanical, Materials & Aerospace Engineering

V+Q = 298 (151Q), A = 3.0

Department of Civil, Architectural & Environmental Engineering

V+Q = 292, A = 2.5

Department of Chemical & Biological Engineering

V+Q= 292, A = 2.5

Department Of Computer Science

V+Q= 292/300, A = 2.5/3.0

Department of Information Tech Mgmt

V+Q = 295 (151Q; 144V), A = 2.5

Department of Electrical & Computer Engineering

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

Department of Mechanical, Materials & Aerospace Engineering

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

Department Of Computer Science

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

Department of Physics

V+Q = 304, A = 2.5

Master of Data Science

V+Q = 304, A= 2.5

Illinois Institute of Technology

Dept. Of Biology
Q+V = 305, A = 2.5

Dept. Of Chemistry
Q+V= 300, A = 2.5

Dept of Industrial Technology & Operations
Q+V = 292, A = 2.5

Food Safety
Q+V = 295/304, A = 2.5

Dept. Of Biomedical Engineering
Q+ V = 304 (158Q); A = 2.5

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

- ✓ GRE general (request ETS to send your official score directly to IIT Chicago –Institution code 1318)

admissions.iit.edu/graduate/apply/gre-requirements

- ✓ IIT Graduate International application

http://admissions.iit.edu/graduate/apply/degree-seeking-checklist

- ✓ 1 or 2 letter(s) of recommendation depending on the department
- ✓ Professional statement
- ✓ 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

Master's Degree (Engineering/Science)

Example of a 32-credit hour program

24 credits   =   ~7 courses

 1 - 5 credits   =   Research project option

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

26 credits   =   Master's degree

N.B. – 1 U.S. credit = ~2 ECTS credits

Master's Degree (Engineering/Science)

Example of a 32-credit hour program

24 credits   =   ~7 courses

 1 - 5 credits   =   Research project option

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

26 credits   =   Master's degree

N.B. **–** 1 U.S. credit = ~2 ECTS credits

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)

UPMadrid:

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

ETSIAE-UPM: MMAE 502 & MMAE 510

ETSICCP-UPM: CAE 562, 564

ETSIAAB-UPM: FST 521, FST 531

IIT Department of Computer Science (science.iit.edu/computer-science)
(ETSIInf-UPM applicants – 4-yr Bach or ETSII-UPM – Master's level)

Difference between MCS and MS CS

- ✓ MCS -   more applied

- ✓ MSCS

        - for students interested in pursuing a

         doctoral program thereafter

        - students may also take certain

         courses offered in the MCS program

Department of 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)

Master of Computer Science with Specialization in Business

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

CHOICE OF COURSES AT IIT

IMPORTANT POINTS TO REMEMBER:

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

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

Tuition cost in Engineering/CS/Info Tech Mgmt/Industrial Tech (32 c.h.)
(Tuition cost August 2018-May 2019)

Tuition cost - Masters (32 crédit hours) at I.I.T. ($1,530 per credit) = **$48,960**

Transfer of credit of 2 courses - $ 9,180

IIT scholarship
(12 credits) - - $ 18,360

Total tuition cost = **$ 21,420 ou €18,465**

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

(Tuition cost likely to change for academic year August 2019-May 2020

Illinois Institute of Technology

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

IIT
Tuition Aug.2018-May 2019

2018-2019
26 c.h.
$39,780

IIT Scholarship 12 c.h.
$18,360

2018-2019
Cost
$21,420(€18,466)
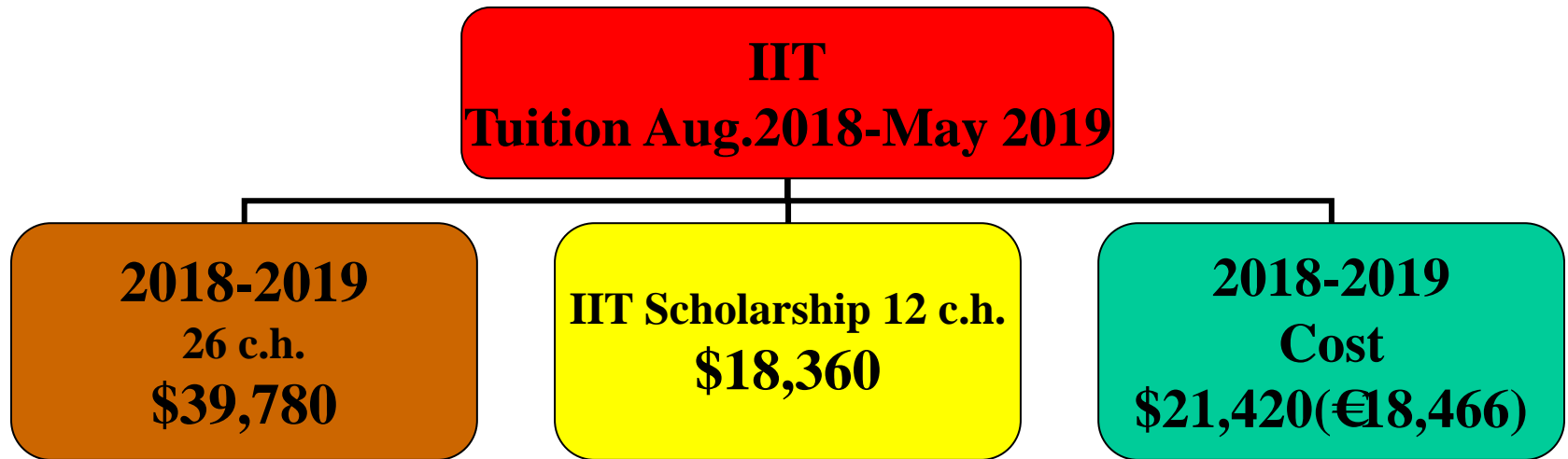
IIT Master's Degree (30 credits) (ITM, INTM, CAE,ECE CS, BME,) Tuition– Aug. 2018 – May 2019

**IIT
Tuition cost Aug. 2018-May 2019**

**2018-2019
24 c.h.
$36,720**

**IIT scholarship 12 c.h.
$18,360**

**2018-2019
Cost
$18,360(€15,828)**
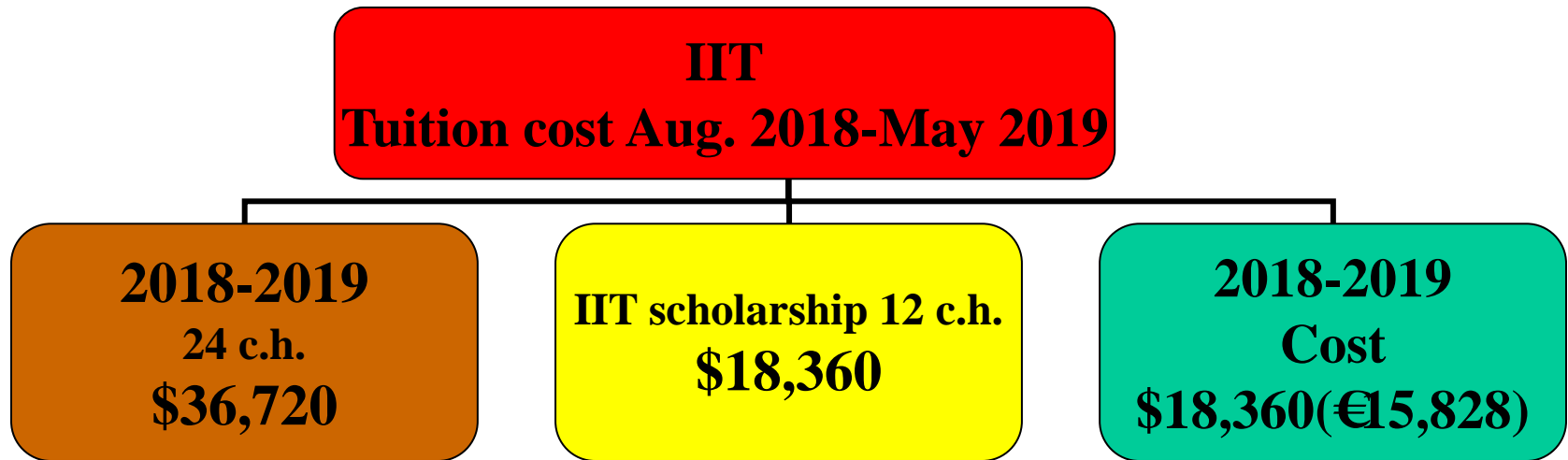
Master of Computer Science with Business/Finance Specialization – IIT Tuition cost – August 2018 – May 2019

IIT
Cost August 2018-May 2019

2018-2019
18 c.h. + 9 c.h. (Bus)
$27,540+ $15,525
= $43,065

SCHOLARSHIP 12 c.h.
$18,360

2018-2019
Cost
$24,705(€21,297)

Illinois Institute of Technology
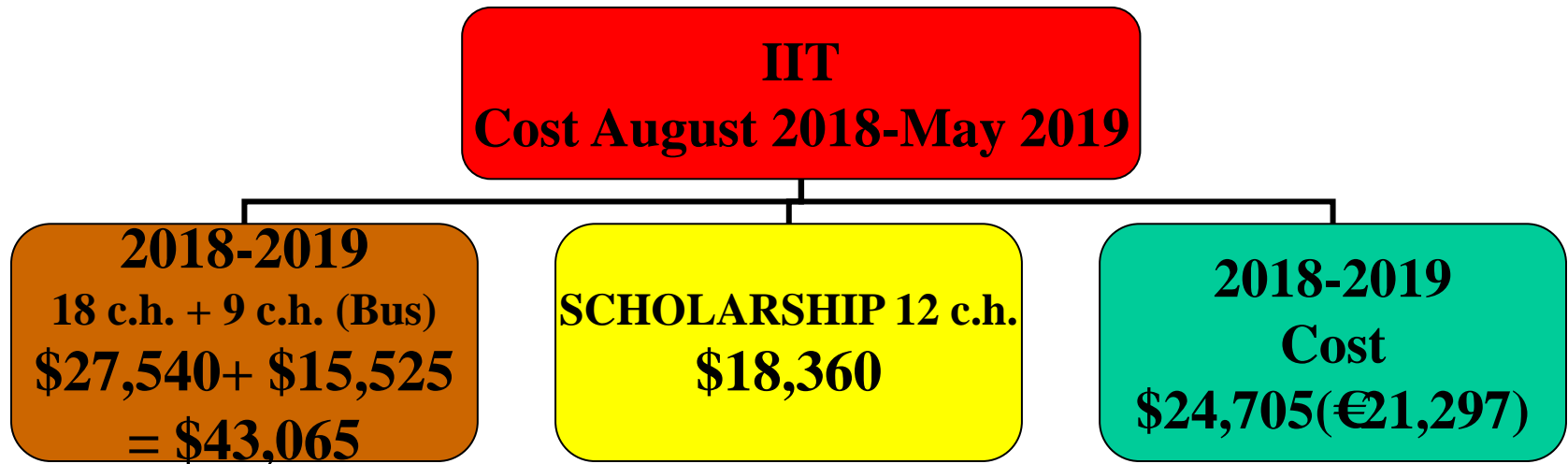
Mandatory & Other Fees (Engineering, Technology & Science) August 2018-May 2019

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

Health Insurance $1,483

Service Fee $864

U-Pass (Transport) $310

Activity Fee $250

New Student Fee $300 (one time only)

Graduation Fee $275 (one time only)

Total **$3,482** (1 an ~ €3001)

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

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

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

The benefits

New car = €24,000

Rolls out of the garage =
Value reduced by -20%
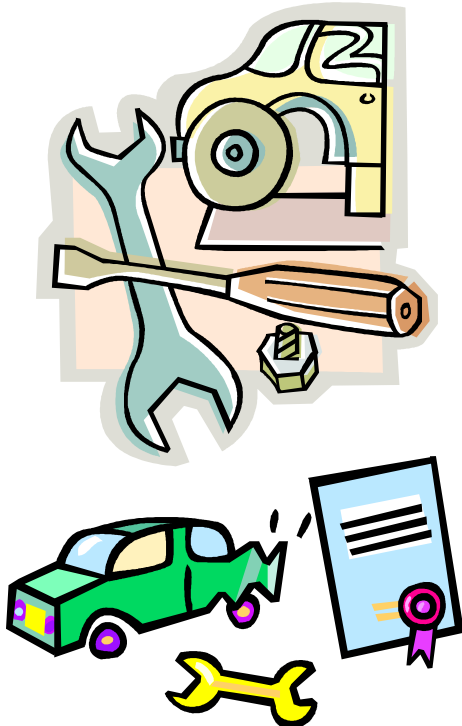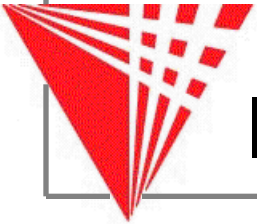
Master's d'IIT : €24,000

Graduate from IIT = Salary:
  €53,000 (+30% in the
  U.S.)
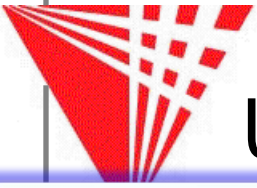
UPON GRADUATION - POSSIBILITIES

❖ Work in the U.S. under F1 OPT for 12 months

❖ Possible work extension if STEM-related, to 24 months under OPT

❖ Median salary : 64,000 USD (55,000 Euros) according to specialization

❖ PhD. (Doctorate) in the U.S. or elsewhere

❖ Work in Europe or elsewhere

IIT Alums in Chicago

Profesionales Espanoles en Chicago (PEC)

Javier Perez –javierptg@gmail.com
Sergio Perez – serpear@gmail.com

https://www.pec-network.com/about-pec

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

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

Illinois
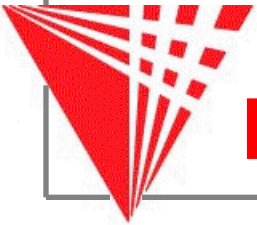
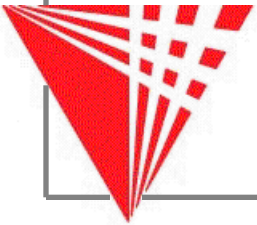# Program II - Research

✓ **Application deadlines:**

     Fall – Feb 15

     Spring – November 15

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

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

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

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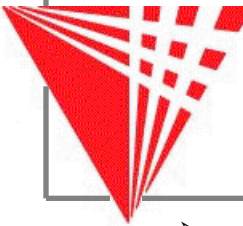
Program II – Research - PROCEDURE

➢ Selected by school – name submitted to IIT Europe

➢ Send required docs (certified copy of transcript in english only, 2 letters of recommendation, CV, copy of the name page of passport, certified letter of proof of intermediate level in English or official & valid TOEFL/IELTS score & a professional statement – identify three professors in one department at IIT, with whom you would like to work), proof of Bachelor's degree in English, VIA EMAIL to IIT France office

➢ IIT Europe will distribute the dossier to the 3 professors you are asked to identify within 1 department at IIT Chicago

➢ MUST CHOOSE ONLY ONE DEPARTMENT AT IIT

➢ IF APPROVED BY THE PROFESSOR AT IIT, IIT Europe OFFICE will inform you, after which you will send your certified transcripts in the native language and english, and the Financial support form IN ORIGINAL BY POST, directly to the Department coordinator at IIT. You will be informed where to send the documents once approved.

➢ DO NOT SEND ANY DOCUMENTS TO THE GRADUATE ADMISSION OFFICE NOR TO THE PROFESSORS, AS THEY DO NOT PROCESS RESEARCH APPLICANTS

Some Research Centers @ IIT

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

Illinois Tech Research Institutes & Centers

➢ **Do NOT contact the professors directly**

➢ **Each professor working at a research center/institute at IIT, is affiliated to a department at Illinois Tech**

➢ **When applying for research, documents are issued by the department NOT the research center**
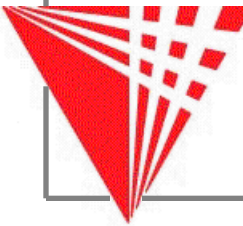
ECASP Research Laboratory
http://ecasp.ece.iit.edu/

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

Program III – Undergraduate Non-degree Visiting (For ETSAM & ETSICCP)

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

IIT College of Architecture
arch.iit.edu

Bachelor's curriculum:

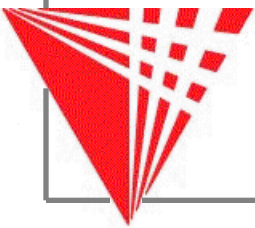http://arch.iit.edu/study/b-arch-curriculum

Studio-based curriculum:

- Emphasis on architecture detailing

- Learning the art of building

- Connecting the art of building to the art of construction

Eligible for 4th year students – concentration on comprehensive building design

Undergraduate Application Procedure

° **IIT international undergraduate Application Form**
  http://admissions.iit.edu/undergraduate/apply/visiting-and-exchange-program

° **1 letter of recommendation**

° **TOEFL score of 80 iBT or IELTS score of 6.5**
  (Request the ETS to send your official score
  report directly to IIT Chicago. For TOEFL – IIT's
  Institution code is 1318)

° **Certified High school final exams results &**
  University course exam results in English and in the native language
  (where applicable)

° **Financial Affidavit of Support must be sent with the application**

° **One page CV/resume**

° **Copy of passport**

° **List of courses you'd like to take at IIT**

° **Architecture applicants to submit a digital portfolio of a summary of work done in each year of study**

Cost of Attendance – tuition only UNDERGRADUATE

Non-degree Visiting students

(August 2018-May 2019)

	1 year	or **1 semester**
Tuition	**$45,872**	**$22,936**
Scholarship	**-$20,000**	**-$ 10,000**
Cost due to IIT	**$25,872 (€22,304)**	**$12,936 (€11,151)**

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

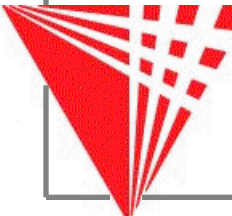https://web.iit.edu/student-accounting/tuition-fees/future-tuition/mies-campus-undergraduate

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

Illinois Institute of Technology

Mandatory & Other Fees – 1 year
Undergraduate level – Aug 2018- May 2019
https://web.iit.edu/student-accounting/tuition-fees/future-tuition/mies-campus-undergraduate

Health Insurance	**$1,483**
Activity Fee	**$ 250**
Student Service Fee	**$ 864**
U-Pass Fee	**$ 310**
New Student fee	**$ 350**
Total	**$3,257** **(€2,808)**

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

Illinois Institute of Technology

Mailing of documents:

Mail documents & updated transcripts to:

Office of Undergraduate Admissions

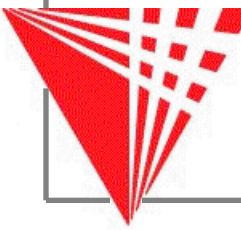c/o Illinois Institute of Technology

101 Perlstein Hall
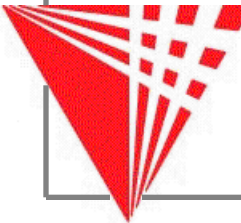
10 W 33rd Street

Chicago, IL 60616

USA

P: 312 567 3025

On-campus Housing @ IIT
Gunsaulus Hall

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

On-campus Housing @ IIT
McCormick Student Village

ACCOMMODATION (Aug 2018- May 2019)

ROOM RATES ON CAMPUS:

https://web.iit.edu/sites/web/files/departments/housing/pdfs/2018-2019%20Room%20Rate%20Sheet.pdf
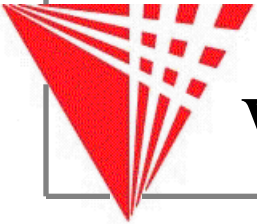
BOARD/MEAL RATES ON CAMPUS:

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

ACCOMMODATION

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

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

Websites

IIT   **www.iit.edu**

TOEFL   **www.toefl.org**

GRE general   **http://www.ets.org/gre/**

IELTS   **www.ielts.org**

Pearson Test of English **- www.pearsonpte.com**

IIT Athletics:
http://www.illinoistechathletics.com/landing/index

Websites

ARMOUR COLLEGE OF ENGINEERING

engineering.iit.edu

COLLEGE OF SCIENCE

science.iit.edu

STUART SCHOOL OF BUSINESS

www.stuart.iit.edu

SCHOOL OF APPLIED TECHNOLOGY

appliedtech.iit.edu

Illinois Institute of Technology

CHOICE OF COURSES AT IIT

IMPORTANT POINTS TO REMEMBER:

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

What you should do:

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

April 15

Your journey to Illinois Tech begins!

Illinois Institute of Technology

For further information:

Dr. Misquita

europe@iit.Edu

Attention:

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

Illinois Institute of Technology

Member of the Association of Independent Technological Universities

www.theaitu.org (22 membres)

I.I.T.　　　　**Carnegie-Mellon**　　**CalTech**

M.I.T.　　　　　　　**Case Western Reserve ...**

MISSION OF THE AITU:

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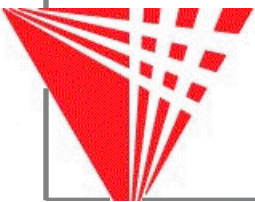
Illinois Institute of Technology

Motto of IIT

ILLINOIS INSTITUTE
OF TECHNOLOGY
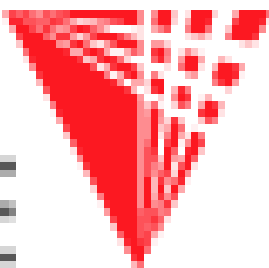
Transforming Lives. Inventing the Future.
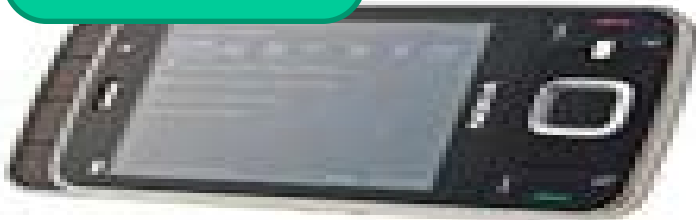
MAJOR IIT INVENTIONS BY ILLINOIS TECH'S ALUMNAE

MAGNETIC TAPE
IIT Alumnus
Marvin Camras

Magnetic tape data storage

CELL PHONE
IIT alumnus
Marty Cooper

BAR CODE
PRINTER
IIT
alumnus
Ed Kaplan

iBurst
ASSOCIATION

ArrayComm.

# Marvin Camras (Alumnus of IIT)
IIT B.S. EE 1940; M.S. EE 1942
## Inventor - Magnetic Tape

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

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

- Camras spent a fifty-year career at Illinois Institute of Technology, where he taught until 1994.

- By the time of his death in 1995, he had earned over 500 US and international patents for his work. He was inducted into the National Inventors Hall of Fame in 1985, and in 1990 he won the National Medal of Technology.

-
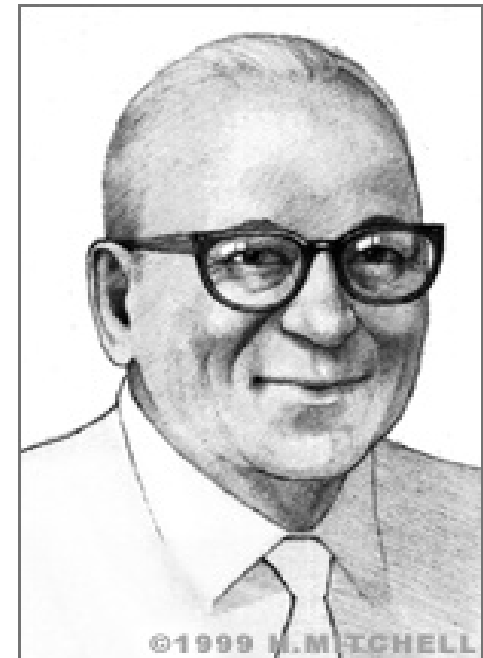
Marty Cooper (Alumnus of IIT (B.S. EE 1950; M.S. EE 1957) Inventor – Cell Phone
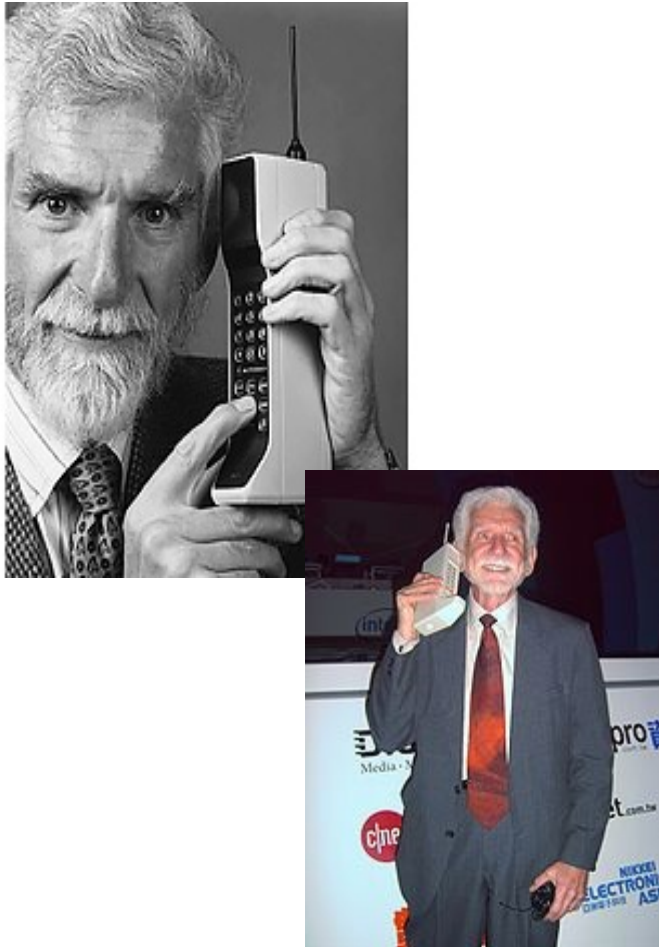
1st Cell Phone – 1973 (« The Brick ») –weighed 2.5 pounds!!
Named one of the best inventors of all time for his work on the first personal cell phone in the "Best Inventions of the Year" article in the October 30 Time Magazine 2007

2nd invention – A new wireless

Internet system called **iBURST**
that puts high-speed data transmission at your fingertips!!

Illinois Institute 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**

Illinois Institute of Technology