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

Presented by:
Dr. Vanita Misquita Ph.D.
Director of Overseas Programs
iitparis@aol.com
misquita@iit.edu

Chi – ca – go, Chi – ca – go!!

Chi – ca – go, Chi – ca – go!!

Facts about Chicago

Third largest city in the U.S. (8 million)

25 miles of lakefront

15 miles of bathing beaches

552 parks

46 museums

200+ art galleries

7,000 restaurants

200+ theaters, 15 T.V. stations, 100 radio stations,

13 daily newspapers

FACTS ABOUT CHICAGO

#1 in the U.S. high tech especially nano technology

#1 in the U.S. in manufacturing

#1 business travel destination in the U.S.

Center of the U.S. interstate highway system

Chicago’s skyline

Chicago River

Willis Tower (formerly Sears Tower)

442 M: 110 floors: 104 elevators

(Eiffel Tower 324 m has the eqivalent of 81 floors)

Why Study in the U.S.

- Different cultural experience
- Opportunity to work and understand the American workplace
- Opportunity to obtain an American degree that has worldwide recognition
- Opportunity to gain competency and proficiency in the American language
- Marketability
- Ph.D. (Doctoral program) possibilities

American System of Education

- Undergraduate, Graduate
- Academic Calendar
- Credit hour(s)
- Grading System
- GPA –Grade Point Average

THIS IS Illinois Tech!

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**

IIT College of Architecture – (Mies ‘ Masterpiece)
S R Crown Hall – National Historic & City of Chicago Historic landmark prior to turning 50 yrs old

The Campus

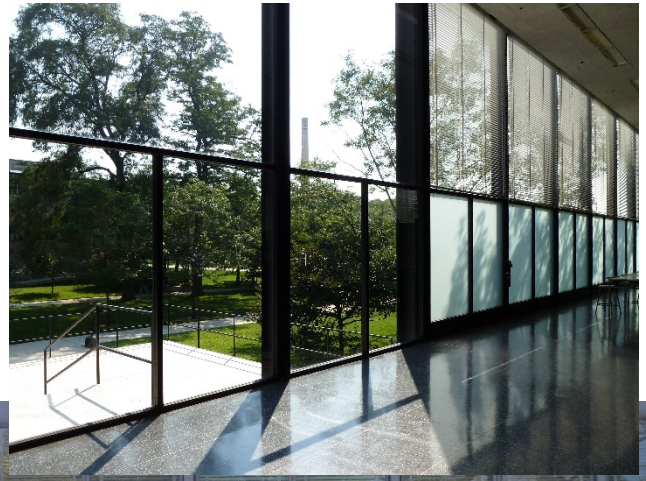
The Campus


STATE STREET
ILLINOIS INSTITUTE OF TECHNOLOGY
Main Building
Hermann Hall
VanderCook

The Campus

The Campus

The Campus



The IIT campus in winter

ILLINOIS INSTITUTE OF TECHNOLOGY

Transforming Lives.Inventing the Future.

Our Location

IIT: Illinois Institute of Technology

Location: Chicago, Illinois

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.
- 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 - scholarship offered to those who qualify for admission to IIT
- 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 17 months if the field is under the STEM category

Some Rankings

2016 U.S. News & World Report

- **Ranked 74th in the U.S. among best engineering graduate (Master's & Doctoral levels) schools**

http://grad-schools.usnews.rankingsandreviews.com/best-graduate-schools/top-engineering-schools/eng-rankings/page+3

2015-2016 PayScale

- **Ranked 14th in the U.S. for alumni with Master's degrees mid-career median salary**

http://www.payscale.com/college-salary-report/best-schools-by-type/masters?page=25

Ranked schools by Payscale with Master's degree – salary earnings potential
http://www.payscale.com/college-salary-report/best-schools-by-type/masters?page=25

IIT ranked 14th in the U.S. mid-career earnings

School	Rank	EC	Med
IIT	14th	$67,500	$119,000
Georgia Tech	33rd	$73,800	$111,000
Harvard U	72nd	$57,500	$101,000
U Michigan Ann Arb	72nd	$64,700	$101,000
Yale University	85th	$64,200	$100,000
U of Il at UrbanaC	95th	$57,900	$98,300

Key:

EC = Alumni with a Master's degree - Early Career median salary with 0-5 yrs experience

Med – Alumni with a Master's degree - Mid-Career median salary with 10+ yrs experience

Rank ▲	School Name	Degree Type	Early Career Pay	Mid-Career Pay	% High Meaning
1	Stanford University	Master's	$83,400	$141,000	63%
2	Santa Clara University	Master's	$79,700	$140,000	53%
3	NYU Polytechnic School of Engineering	Master's	$70,200	$135,000	60%
4	Carnegie Mellon University (CMU)	Master's	$81,000	$131,000	47%
5	Massachusetts Institute of Technology (MIT)	Master's	$80,900	$130,000	49%

6	Bentley University	Master's	$65,000	$129,000	47%
7	Colorado School of Mines	Master's	$68,200	$127,000	61%
8	Stevens Institute of Technology	Master's	$73,000	$125,000	43%
9 (tie)	Princeton University	Master's	$67,700	$123,000	N/A
9 (tie)	United States Naval Postgraduate School	Master's	$89,800	$123,000	74%
11	Worcester Polytechnic Institute (WPI)	Master's	$71,100	$121,000	52%
12 (tie)	Clarkson University - Potsdam, NY	Master's	$67,200	$120,000	70%

12 (tie)	University of California - Irvine (UCI)	Master's	$67,900	$120,000	51%
14 (tie)	Illinois Institute of Technology (IIT)	Master's	$67,500	$119,000	59%
14 (tie)	Lehigh University	Master's	$67,700	$119,000	39%

Load More

See Full List

Earning a master's degree is a great intellectual endeavor, but before you enroll in a master's program, you should think about how it will affect your earning potential. This year, PayScale's 2015-2016 College Salary Report ranks master's degree programs at 372 universities across the country by how much their alumni earn. You can use this data to evaluate whether or not you should pursue a master's degree and where you should earn it.

Master's Degrees That Pay Off

Program Options

Graduate level

- **I. Double degree Master's program in 1 year for ETSETB, ETSEIB, ESEIAAT, FME & Camins**

- **II. Research (Tesina/TFM) for a period of 6 months or upto 1 year maximum for the above schools**

- **III. Graduate Non-degree Visiting (FME-UPC applicants)**

MAJOR IIT INVENTIONS BY ILLINOIS TECH'S ALUMNI (ANCIENS ELEVES)

Magnetic tape data storage

MAGNETIC TAPE
IIT Alumnus
Marvin Camras

CELL PHONE
IIT alumnus
Marty Cooper

BAR CODE
PRINTER
IIT
alumnus
Ed Kaplan

iBurst
ASSOCIATION

ArrayComm

Zebra

Department of Applied Math (www.iit.edu/csl/am) – for FME-UPC

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

Proposed course credit hours of 23 credit hours if received 9 credit hours of transfer credit from IIT:

9 ch in Spring

5 ch in Summer (thesis)

9 ch in Fall

I. DOUBLE DEGREE MASTER'S PROGRAM

PROCEDURE:

- **Completed 4.5 years at FME-UPC**
- **Pre-selected by partner school. Selection criteria established in agreement with IIT and partner school**
- **TOEFL of 90 iBT or IELTS score of 6.5 or PTE of 63**
- **GRE general (Q+V 304; A = 2.5)**
- **Thesis – may begin in summer of 5 c.h. or may start in Spring part-time and spread out the 5 credit hours over Spring and Summer**
- **Completion of a Master's (32 credits) in 1 year with thesis**

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

Courses for which FME-UPC may receive transfer credit if completed prior to arrival at IIT

IIT courses:

MATH 554 which requires MATH 553

MATH 540

MATH 500

MASTER'S DEGREE at IIT for FME-UPC

Master's degree = 32 credits

(Each course usually equals 3 hours)

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

32 credits = ~11 courses

Transfer of credit of upto 3 courses (validated by IIT)

= less 6 or 9 credits

M.S. at IIT in 1 year (2 semestres) =

32 – 6 or 9 =26 or 23 credits

Department of Civil, Architectural & Environmental Engineering
(engineering.iit.edu/cae)
(ETSECCPB-UPC applicants)

- **Master of :**
  - Construction Engineering & Management
  - Architectural Engineering
  - Geo-environmental Engineering
  - Geo-technical Engineering
  - Structural Engineering
  - Transportation Engineering
  - Public Works
  - Environmental Engineering

- **Master of Science in Civil Engineering**
- **Master of Science in Environmental Engineering**

- **Ph.D. in Civil Engineering**
- **Ph.D. in Environmental Engineering**

IIT Department of Electrical & Computer Engineering (engineering.iit.edu/ece) (ETSETB/ETSEIB/ESEIAAT applicants)

- **MASTER:**

Master of Science in Electrical Engineering (32 c.h.)
Master of Science in Computer Engineering (32 c.h.)
Master of Science in Electrical & Computer Engineering (45 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.)

- **Ph.D. in Computer Engineering**
- **Ph.D. in Electrical Engineering**

**Applicants for the double degree program recommended by the department to choose among the Master of Science in Electrical Engineering or the Master of Science in Computer Engineering =32 c.h.*

IIT Department of Information Technology Management (appliedtech.iit.edu/itm) (ETSETB applicants)

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

(30 c.h.) with Specializations:

- **Web Design**
- **Systems Analysis**
- **Management Information Systems**
- **Digital Systems Technology**
- **Data Center Operations & Mgmt**
- **Software Development**
- **Systems Administration**
- **Computer & Network Security Technologies**
- **Data Management**
- **Information Technology Management & Entrepreneurship**
- **Web Design & Application Development**
- **Voice & Data Comm Tech**

- No Ph.D. (Doctoral) program

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

IIT Department of Chemical & Biological engineering (engineering.iit.edu/chbe) (ETSEIB-UPC applicants)

- **MASTER:**
- **Master of Chemical Engineering (30 c.h.)**
- **Master of Biological Engineering (30 c.h.)**
- **Master of Science in Chemical Engineering (32 c.h.)**

- **Ph.D. in Chemical & Biological Engineering**

Department of Biomedical Engineering (engineering.iit.edu/bme) (ETSEIB/ETSETB-UPC applicants)

- **Master of Biomedical Engineering (30 c.h.) (no required research)**
- **Master of Science in Biomedical Engineering (32 c.h.) (6-8 c.h. research)**

- **Ph.D. in Biomedical Engineering**

IIT Department of Mechanical, Materials & Aerospace Engineering (engineering.iit.edu/mmae) (ETSEIB-UPC & ESEIAAT-UPC applicants)

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

Research Centers

Fluid Dynamic Research Center (fdrc.iit.edu)

Thermal Processing Technology Center (mmae.iit.edu/~tpc/)

- **Ph.D. in Materials Science & Engineering**
- **Ph.D. in Mechanical & Aerospace Engineering**

IIT Department of Computer Science (science.iit.edu/computer-science) (ETSEIB-UPC applicants)

Difference between MCS and MS CS

- ✓ MCS - more applied

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

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

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*

- **Ph.D in Computer Science**

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**

Ph.D. in Biology

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 hours $1725 @ Stuart School of Business August 2015-May 2016) : **IIT Partner scholarship will NOT apply**

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

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

Department of Chemistry (science.iit.edu/chemistry)

- **Master of Chemistry (32 c.h.)**
- **M.S. in Chemistry (32 c.h.) –duration minimum 1.5 to 2 yrs with thesis**

Ph.D. in Chemistry

Department of Physics (science.iit.edu/physics)

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

I. MASTER'S PROGRAM AT IIT

PROCEDURE:

- **1st year Master's students from ETSETB, ETSEIB, ETSECCPB & ESEIAAT or completed 4.5 yrs at FME, must be pre-selected**
- **Selection criteria established in agreement with IIT and partner school**
- **TOEFL of 90 iBT or IELTS score of 6.5 or PTE of 63**
- **GRE general (specified minimums per dept.)**
- **Research project duration (6 months depending on the requirements of the home institution)**
- **Completion of a Master's (30 or 32 credits) in 1 year with research project (non-thesis) / Trabajo fin de Master's**

Master's degree at IIT
Application requirements

- **Must be pre-selected by your school – only pre-selected students may apply to IIT**
- **TOEFL 90 iBT minimum ou IELTS 6.5 ou PTE 63**

admissions.iit.edu/graduate/apply/english-proficiency-requirement

- **GRE**

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

- **IIT Graduate Application form**

https://myiit.force.com/OnlineApp/TX_SiteLogin?startURL=%2FOnlineApp%2Ftx_communitieshome

- **2 letters of recommendation**
- **Professional statement**
- **Certification in English of receipt of the equivalent of a Bachelor's degree from your school**
- **Transcripts certified in Spanish/Catalan and in English of coursework completed at UPC**
- **Recommended deadline – April 15 (Fall semester) &** 15 octobre **(Spring semester) or, earlier**

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

TOEFL or IELTS & GRE

IIT's test score requirements:

TOEFL minimum score 90 ibt

www.toefl.org

OR

IELTS – minimum score 6.5

www.ielts.org

AND

GRE – minimum score provided per department at IIT

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

TOEFL OR IELTS (Engineering / ITM / INTM / Science)

(admisions.iit.edu/graduate/apply/english-proficiency-requirements)

Attention:

**Please do NOT upload your transcripts when submitting your application documents, if you plan to retake the TOEFL and/or the GRE to improve your scores

- 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 admissions.iit.edu/graduate/apply/english-proficiency-requirement

The GRE General Exam

The exam comprises 3 sections:

1. **Verbal (multiple choice) 130-170 scale score**
2. **Quantitative (multiple choice) 130 – 170 scale score**
3. **Analytical (essay) out of 6**

Analytical score range 2.5 – 3.5/6

GRE minimum requirements per IIT department (Master's level) admissions.iit.edu/graduate/apply/gre-requirements/

Dept. Of Mechanical, Materials & Aerospace Engineering
Q + V 298 (151Q), A = 3.0

Dept. Of Information Tech Mgmt
V+Q = 295 (151Q; 144V), A = 2.5

Dept. Of Electrical & Computer Engineering
V+Q= 304 (159Q), A = 3.5

Dept. Of Computer Science (MAS/MS) :
MAS DS – Q+ V = 304, A = 2.5
Q + V = 292/298, A = 2.5/3.0

Dept. Of Civil, Architectural & Environmental Engineering
Q+V = 292, A = 2.5

GRE minimum requirements per IIT department (Master's level)

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

Dept. Of Chemical & Biological Engineering
Q+V = 292, A = 2.5

Dept of Physics (MAS/MS)
Q+V = 304, A = 2.5

Dept. Of Biology
Q+V = 298, A = 2.5

Dept. Of Chemistry
Q+V= 304, A = 2.5

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

Dept. Of Applied Math
Q+V = 304, A= 2.5

MASTER'S DEGREE at IIT

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

(Each course usually equals 3 hours)

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

32 credits = ~11 courses

Transfer of credit of 2 courses (validated by IIT)

= less 6 credits

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

34 - 6	**=**	**28 credits**
33 - 6	**=**	**27 credits**
32 - 6	**=**	**26 credits**
30 - 6	**=**	**24 credits**

Master's Degree (Engineering/Science/Technology)

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

Cost of a Master's degree at IIT (August 2015-May 2016) – Engineering/Science/ITM/INTM

Cost of a Master's degree (32 credit hours) at I.I.T. ($1,313 per credit) = $42,016

Transfer of 2 courses (6 credits hours) - $ 7,878

IIT scholarship (9 credit hours) - - $ 11,817

Total cost of courses = **$ 22,321 or €20,273**

**(Exchange rate: 1 Euro = 1.101 USD 24/10/2015)*

** (For the new cost for August 2016-May 2017, please check the website in Feb 2016 - https://web.iit.edu/student-accounting/tuition-fees/current-tuition/main-campus-graduate*

List of transfer credit received from past students from UPC to IIT – can only choose two that apply

UPCatalunya:

ESEIAAT: MMAE 502 & MMAE 525

ETSEIB : MMAE 451, 485, 509, or 543

FME: MATH 453, 589, 454, 512

Academic Calendar

Fall Semester

Mid-August – mid-December

(Recommended deadline – 15 April)

* * * * *

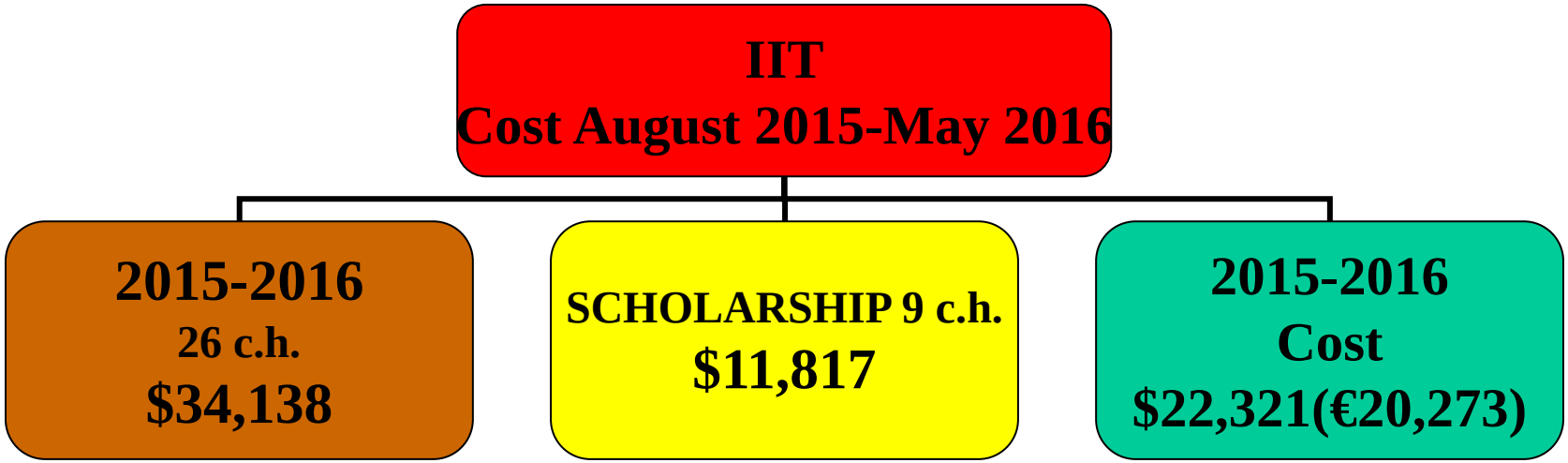
Spring Semester

Mid-January – mid-May

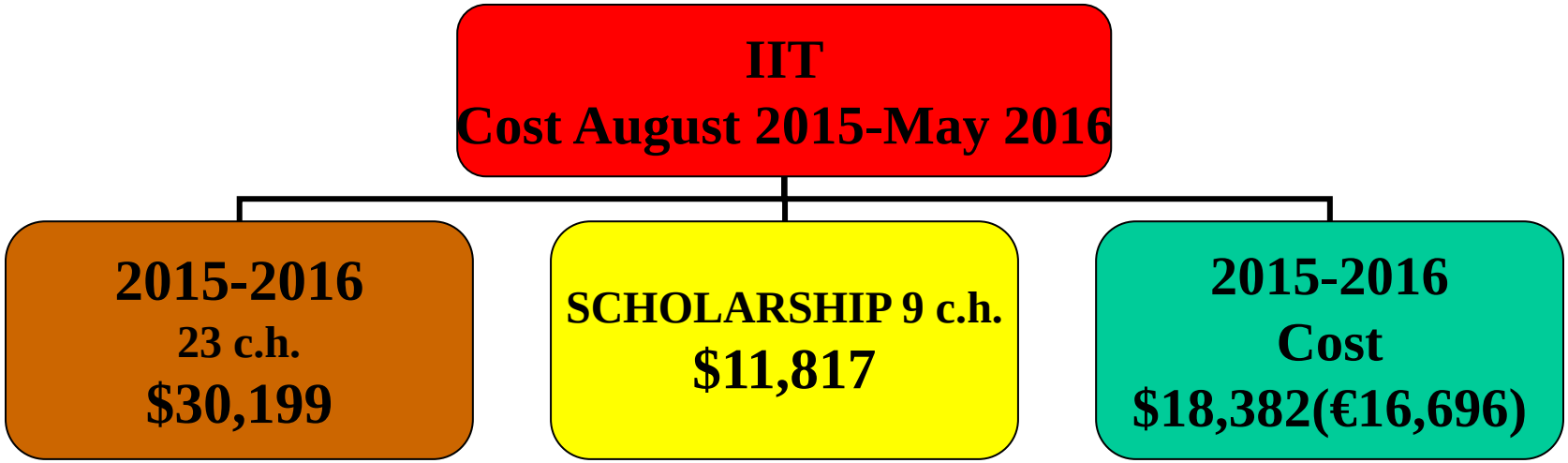
(Recommended deadline – 15 October)

Web.iit.edu/registrar/academic-calendar

IIT Master's degree (32 credit hours) Engineering / Science / ITM / INTM / Tuition cost –August 2015-May 2016



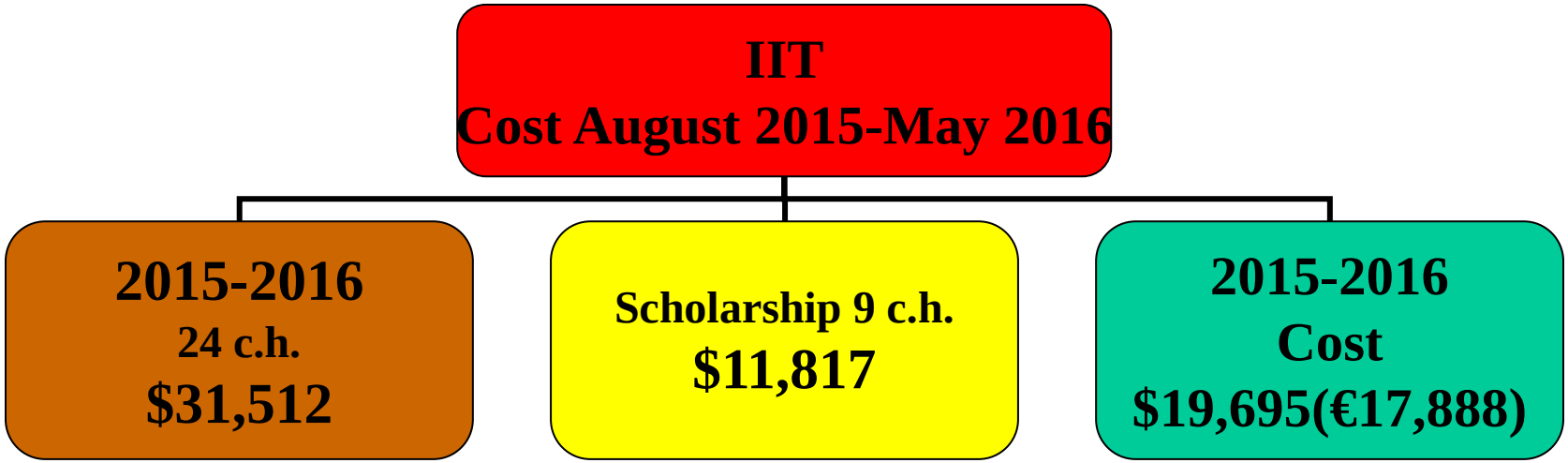
IIT Master's degree (32 credit hours) – Applied Math (FME-UPC ONLY)
Tuition cost –August 2015-May 2016



IIT Master's Degree (Engineering/Science/ITM/INTM)

(30 crédits)

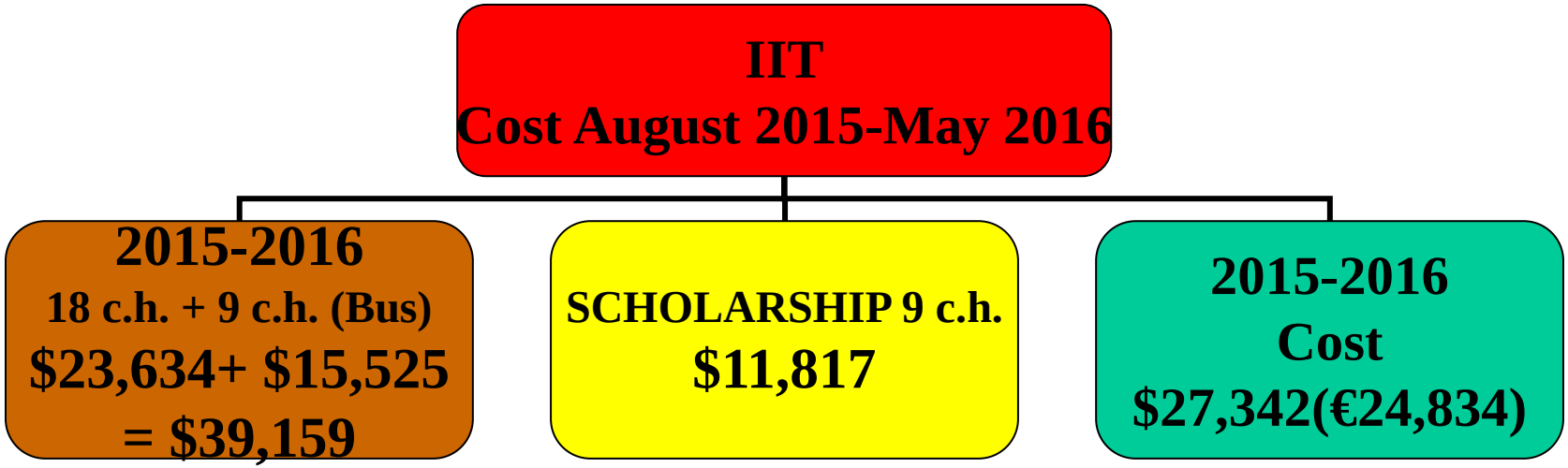
Tuition Cost – August 2015 – May 2016



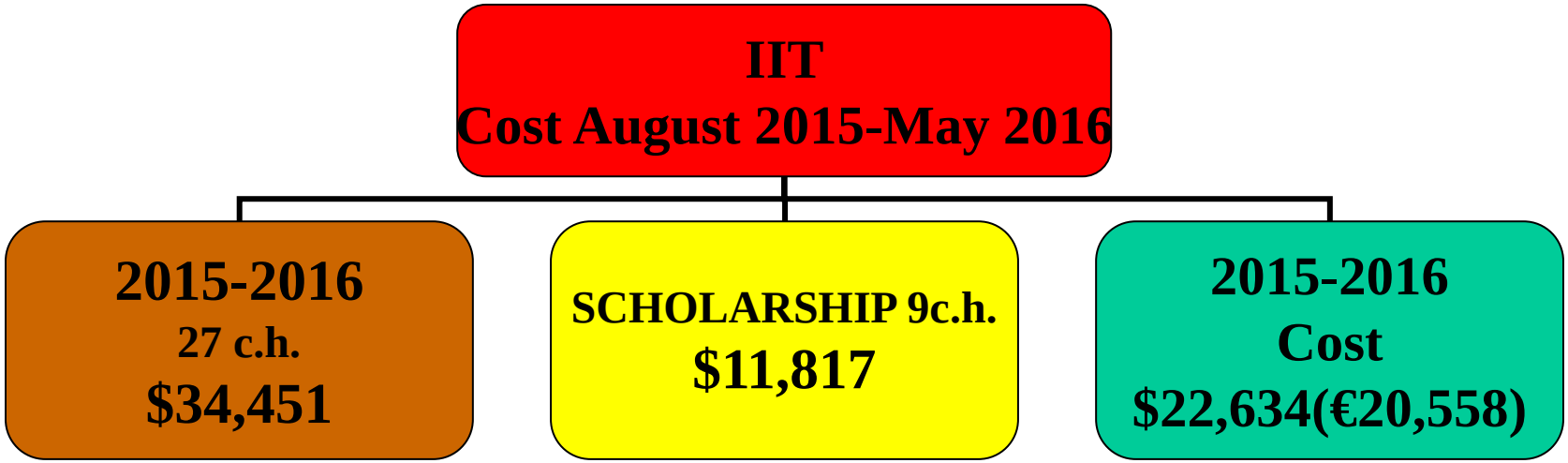
Master of Computer Science with Specialization in Business

- 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.2015-May 2016)
- 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

Master of Computer Science with Business/Finance Specialization – IIT
Tuition cost – August 2015 – May 2016



IIT Master's degree (33 credit hours)
Engineering/Science
Tuition cost –August 2015-May 2016



Other Fees
(Engineering/Science/Technology)

August 2015 – May 2016

Health insurance	**$1,439 per year**
Service Fee	**$ 820 (per sem - $420)**
U-Pass (Transport)	**$ 270 (per sem - $135)**
Activity Fee	**$ 240 (per sem - $120)**
New Student Fee	**$ 100 (one time only)**
Graduation Fee	**$ 320 (one time only)**
Total	**$3,189 (1 year or €2,897)**

Cost for August 2016-May 2017 will be available in Feb 2016:

www.iit.edu/student-accounting/tuition-fees/curent-tuition/main-campus-graduate

Exchange rate: 1.101 USD = 1 Euro (24/10/2015)

DOUBLE DEGREE - BENEFITS

- Completion of Master's degree at IIT in 1 year (12 months)
- Possibility of obtaining the equivalent qualifying degree from home university
- Permission to work in accordance with F1 visa requirements for 1 additional year (+ 17 months extension) in the U.S. if major belongs to STEM category
- Starting annual median salary of IIT graduates about 67,000 USD

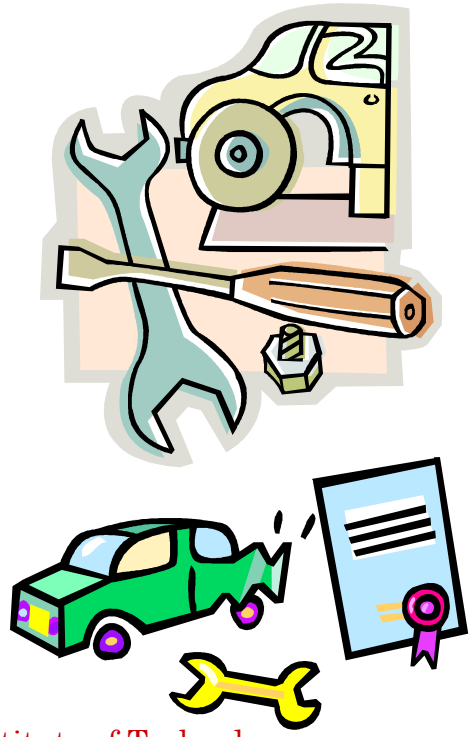
http://www.payscale.com/college-salary-report/best-schools-by-type/masters?page=25

The benefits

New car = €20,000

Rolls out of the garage =

Value reduced by -20%



Master's d'IIT : €20,000

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

Program II - Research

- ✓ **Application deadlines:**
  - **Fall – Feb 15**
  - **Spring – November 15**
- ✓ **Visa Category – J1 – Short-term research scholar**
- ✓ **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 = $3,939 (August 2015-May 2016 cost in Engineering, Science, Applied Math & Architecture) – student's responsibility**

Program II - Research

Procedure:

- Selected by school – name submitted to IIT France
- 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), VIA EMAIL to IIT France office
- IIT France 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 France 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

Research @ IIT

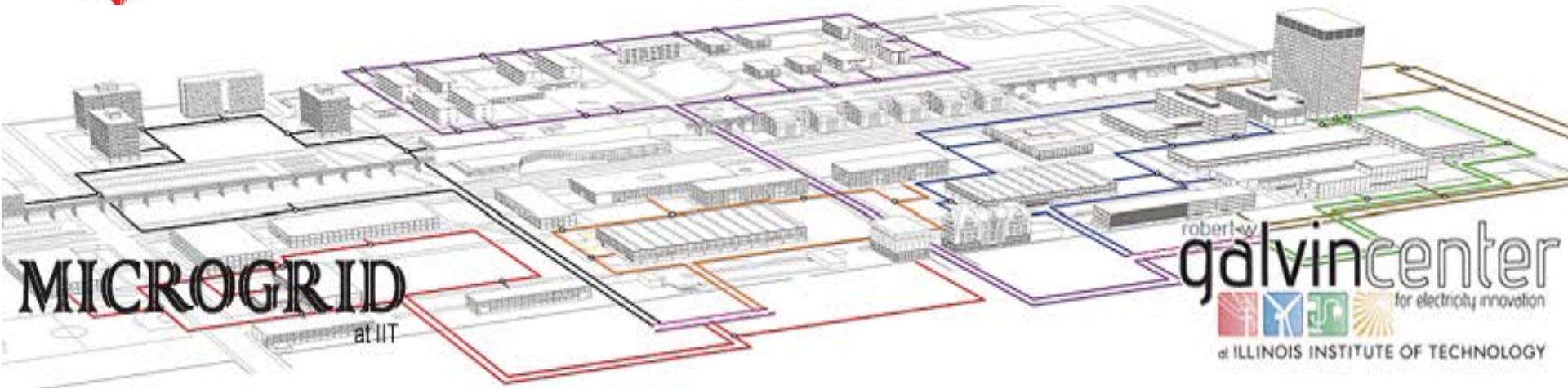
Collaboration with:

- ❑ Argonne National Laboratory

- ❑ Fermi Lab

- ❑ U.S. Department of Energy

Some Research Centers @ IIT



IIT TODAY NEWS

- **Project with NASA to conduct satellite payload research using a high altitude balloon.**

- **IIT and Argonne National Laboratory $3.4 million grant to improve electric car battery.**

- **$2.9 million federal grant to Argonne National Laboratory and the Department of Civil, Architectural, and Environmental Engineering (transit systems in major cities and emergencies)**

- **Smart Grid - a $12.6 million project, supported by the U.S. Department of Energy and the State of Illinois**

Program III – Undergraduate Non-degree Visiting & Exchange (For ETSAB)

- ✓ 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/exchange
- ✓ Architecture applicants can only apply for Fall
- ✓ Only 1 exchange student per year to IIT
- ✓ No quota for visiting students to IIT

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

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

Cost of Attendance – Off-campus

Non-degree Visiting students

(August 2015-May 2016)

	1 year	or 1 semester
Tuition	**$42,000**	**$21,000**
Scholarship	**-$18,000**	**-$ 9,000**
Cost due to IIT	**$24,000 (€21,798)**	**$12,000 (€10,900)**

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

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

Exchange rate: 1.101 USD = 1 Euro (24/10/2015)

UNDERGRADUATE

Other Fees (August 2015 – May 2016)

Activity Fees	**$ 240**
Service Fee	**$ 840**
U-Pass	**$ 270**
Insurance Fee	**$ 1,439**
New student fee only)	**$ 325 (one time**
Total	**$3,114 (€2,828)**

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

Exchange rate: 1 Euro = 1.101 USD (24/10/2015)

Program III:
Graduate Visiting – non-degree

- Must be pre-selected by your school
- TOEFL minimum 90 ibt
- Category: Graduate non-degree visiting
- One semester minimum – Fall or Spring
- Visa- J1 student
- Must take a minimum of 9 credit hours per semester at IIT
- Cost of tuition for 9 credit hours (August 2015-May 2016 = 9 ch x 1313 USD = 11,817 USD – (Engineering/Technology/Architecture/Science)

Accommodation August 2015-May 2016)

(web.iit.edu/sites/files/departments/housing/pdfs/2015-2016 Room and Board Rate sheet.pdf)

ROOM

- **Gunsalaus Hall – $7,168 furnished studio**
  (~$797 per month)
  $8,728 furnished 1 bdrm
  (~$970 per month)

- **Carman Hall - $6,454 furnished studio**
  (~$717 per month)
  $8,728 furnished 1 bdrm
  (~$970 per month)

BOARD (Meal Plans): $1,164 - $5,333 (9 months)

Exchange rate : 1 euro = 1.101USD (24/10/2015)

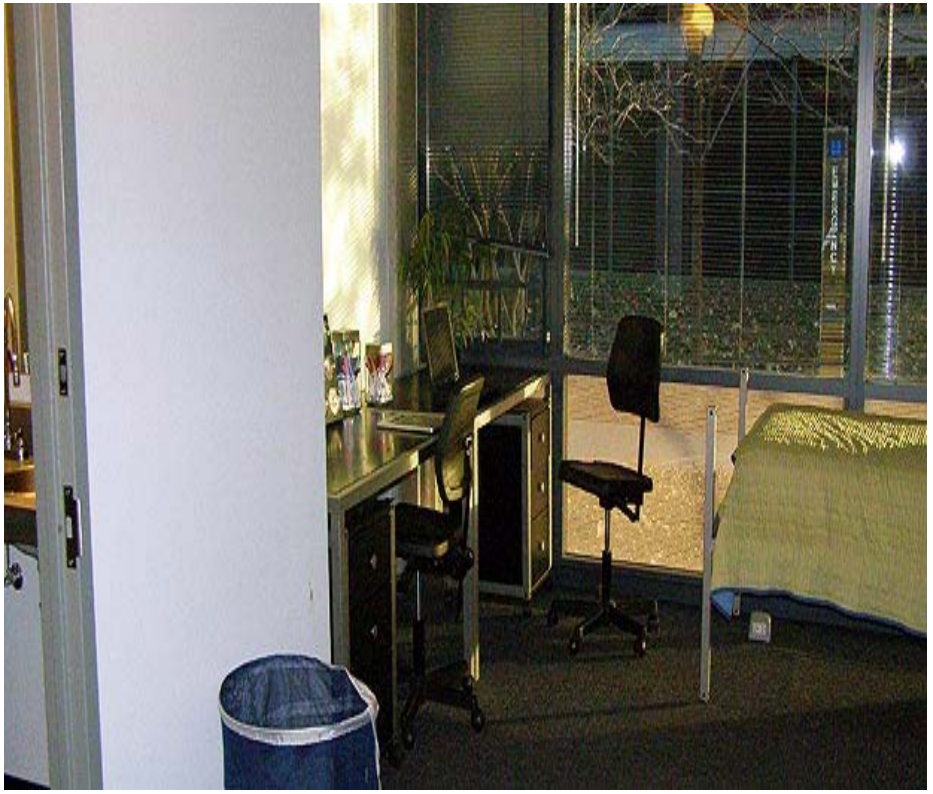
ACCOMMODATION (August 2015- May 2016)

In the city: ~ min. $900 (€409 shared) or €818 (studio 1 person)

Exchange rate: 1 Euro = 1.101 USD (24/10/2015)

On-campus Housing @ IIT
Gunsaulus Hall

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



On-campus Housing @ IIT
McCormick Student Village

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

FAQ's about Athletics at IIT:

http://static.psbin.com/2/d/czp77irx2x62bp/Frequently_Asked_Questions_about_Illinois_Tech_Athletics.pdf

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

For further information:

iitparis@aol.com

Attention:

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

Statistics

• Undergraduates	2,858
• Master's	3, 253
• PhD's	615
• J.D.'s	888
• Non-degree	236
Total	7,850

Other statistics

70.4% male

29.6 % female

12:1 student to faculty ratio

59% international students

$60 million in research per year

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 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**

Graduate – Fields of study

Engineering – Chemical, Environmental, Biological, Food Process, Civil, Architectural, Electrical & Computer, Mechanical & Aerospace, Materials & Metallurgical, Biomedical

Sciences - Biology, Chemistry, Physics, Applied Physics, Molecular Biochemistry & Biophysics

Other fields – Psychology, Architecture, Business, Computer Science, Applied Math, Information Technology Management, Industrial Technology & Operations

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

<u>What you should do:</u>

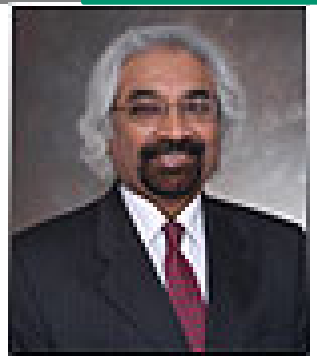
- Regarding electives, discuss with your professor at your home university, the elective courses you will need to take for validation & alternatives & submit only once admitted
- In this case, it is imperative that once selected, you submit complete documents to IIT for an early decision well before April 15

Motto of IIT


ILLINOIS INSTITUTE
OF TECHNOLOGY
Transforming Lives. Inventing the Future.

IIT ALUMNAE

National Medal of Science &
Nobel Peace Prize
Susan Solomon



Sam Pitroda
Adviser to
Prime
Minister
India

Stemgrimur
Hermannsson
Former Prime
Minister of
Iceland

Former
President
of Lithuania
Valdas Adamkus

Father
of Cell
Phone
Martin
Cooper

SR Cho,
Chairman
Hyosung
Group

IIT graduates become leaders.

MAJOR IIT INVENTIONS BY ILLINOIS TECH'S ALUMNAE

Magnetic tape data storage

MAGNETIC TAPE
IIT Alumnus
Marvin Camras

CELL PHONE
IIT alumnus
Marty Cooper

BAR CODE
PRINTER
IIT
alumnus
Ed Kaplan

iBurst
ASSOCIATION

ArrayComm

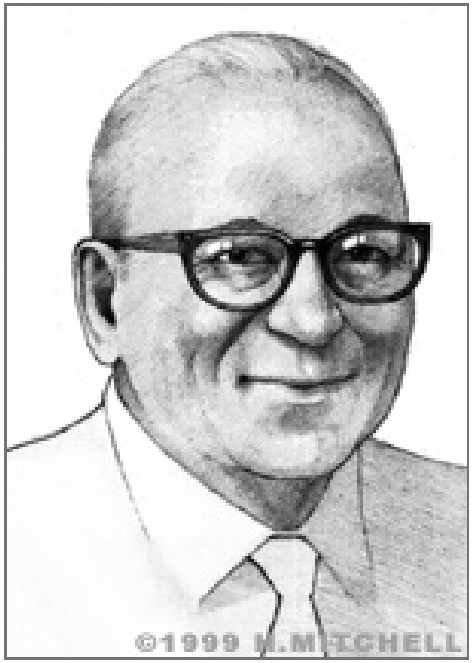
Zebra

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

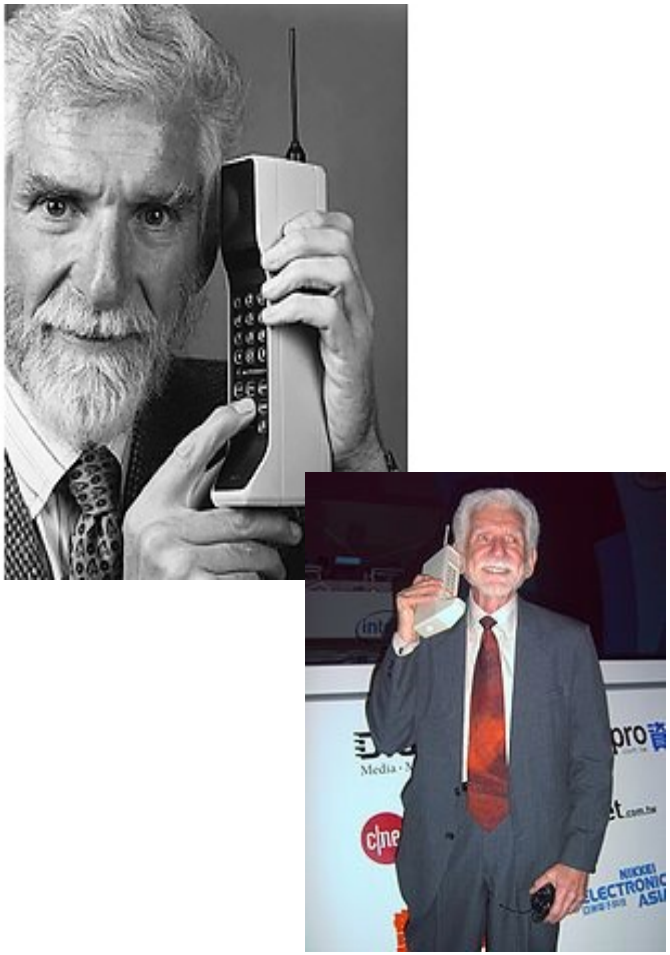
Born in Chicago in 1916, Camras was known to his family as an "inventor" by the age of five

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

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



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



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

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

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

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

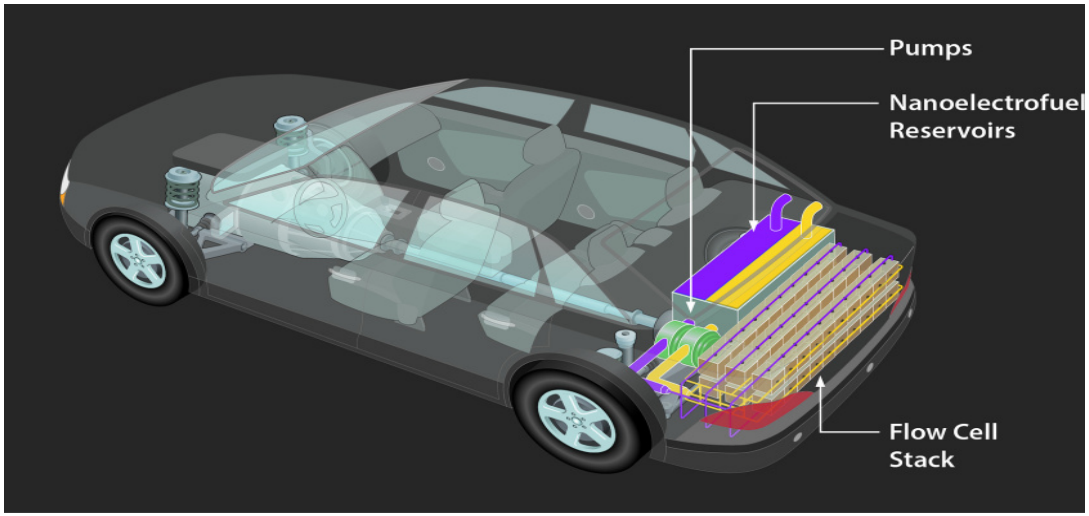
IIT News (September 2013)

- **Prof. Carlo Segre (IIT Prof in Physics) received $3.4 Million to develop a prototype for a rechargeable « nanoelectrofuel » flow battery that may extend the range of EV's (Electric Vehicles) to at least 500 miles & provide a straightforward & rapid method of refueling.**
- **Current EV ranges are 100-200 miles with recharging taking up to 8 hours**
- **Prof. Segre is Director of the Center for Synchroton Radiation @ IIT & Deputy Director of MRCAT beamline at the Advanced Photon Source @ Argonne Nat'l Labs**

Current research by IIT faculty & students – Carlo Segre (IIT Prof. Physics) - 2014

A rear view of the IIT-Argonne new "nanoelectrofuel" flow battery. The Illinois Institute of Technology will share $3.4 million to develop a prototype of their "nanoelectrofuel" flow battery. Courtesy: Argonne National Laboratory

A rear view of the IIT-Argonne new "nanoelectrofuel" flow battery. The Illinois Institute of Technology will share $3.4 million to develop a prototype of their "nanoelectrofuel" flow battery. Courtesy: Argonne National Laboratory



IIT Alumni - Notoriety

Shay Bahramirad (Ph.D. EE 2010)

- Building a new form of electricity delivery that allows users to track & control and effectively see track energy use

Cynthia (CJ) Warner (MBA 1987)

- Substitute for fossil fuel -Algae fuel

Nishant Samala (CS 2014)

- Strados Inc. App to track problems in a car

Jason Tenenbaum (B.S. AE 2007)

- Helped launch the first cargo flight to the International Space Station with supplies for station's astronauts – Oct 2012

Other Inventions by IIT Alumni

Mead Killion (M.S. Math 1970) –first insert earphone

Watts Humphrey (M.S. Phys 1950) – father of software quality

Harold M. Manasevit (PhD Chemistry, 1959) – MOCVD technology for laser pointers & the man behind the Blue LED revolution

Partners

SPAIN:

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