1. **What is the application deadline for Illinois Tech?**

   *April 15* is the date by which the application and required documents must be submitted.

2. **Can anybody from UPM apply to Illinois Tech?**

   No. Only students preselected by the UPM partner schools may apply to Illinois Tech.

3. **What is the minimum GPA requirement to apply to Illinois Tech?**

   3.0 on a 4.0 scale equivalent to a 6.5 out of 10 overall AND 6.5 out of 10 in subjects related to the Master’s degree program the preselected student intends to pursue at Illinois Tech.

   **Official English test score report:**

   Students at the time of registration for one of the aforementioned exams, should request the organization to send their official score report directly to Illinois Institute of Technology, Chicago.

   For the TOEFL - our Institution code is 1318

   Choose Department not listed when completing the TOEFL official score request form: Level - Graduate: Campus - leave blank

   For the IELTS, choose the **electronic upload delivery system** so that we receive your official score. IELTS should send the official score to:

   Office of Graduate Admissions
   Illinois Institute of Technology
   206 Perlstein Hall
   10 W 33rd Street
   Chicago, IL 60616
   USA
5. What Computer Science courses should I have completed and successfully passed prior to enrolling at Illinois Tech (if preselected by UPM and if I qualify for admission to Illinois Tech) to one of the Computer Science Master degree programs?

If interested in any of the Master's degree programs offered by the Department of Computer Science, and if you have some background in Computer Science, it is very important that you successfully pass - 6.5 out of 10, the following course equivalents (Master's level) at UPM:

CS 430 - Introduction to Algorithms  
https://bulletin.iit.edu/undergraduate/courses/cs/  
CS 450 - Operating Systems  
https://bulletin.iit.edu/undergraduate/courses/cs/  

So if you have not yet taken these courses, you should register for those equivalent courses at UPM (if on offer) for the new semester starting in Feb at UPM.

If on the other hand, you do not have any background in Computer Science, but are interested in one of the Master's degree programs offered by this department, you should also have successfully passed (6.5 out of 10) the following courses:

CS 201 - Accelerated Introduction to Computer Science  
CS 401 - Introduction to Advanced Studies I  
CS 402 - Introduction to Advanced Studies II  

6. I cannot find the curricula for AI and Computer Visions and Control, Master in Cybersecurity Engineering, Computer Engineering in Internet of Things (IoT)- where can I find them?

Please find them attached.
7. **How do I know which electives will be offered in the Fall 2024 semester?**

The list of elective courses for the Fall 2024 semester will be available sometime in May/June of this year.

8. **How do I choose my elective courses and how many should I choose?**

Choice of elective courses is dependent on the Master's degree program. You may choose as many as possible.

For a brief course description of all courses on offer, you may find them via the links below:

- **100 - 400 level course**

  - **Undergraduate bulletin** - [https://bulletin.iit.edu/undergraduate/courses/](https://bulletin.iit.edu/undergraduate/courses/) - choose the courses by the department offering the Master's degree program

  For example if interested in the Master's degree programs offered by the Department of Computer Science - scroll down alphabetically to C - click on Computer Science to find the list and numbers of the courses and their course descriptions

For a list of **Graduate level courses (500+) level:**

[https://bulletin.iit.edu/graduate/courses/](https://bulletin.iit.edu/graduate/courses/)

9. **Can I choose any course in any Master's degree program?**

   **NO.**

   Each Master's degree program has its required (core) courses that you must complete and a list of electives from which you may choose.

   Core courses are usually offered each semester.

   Elective courses may be offered once or twice a year and in relatively rare cases if there are not enough students for that course it will not be offered.
10. **Can I choose any Master's degree program offered at Illinois Tech?**

Yes, on condition that your school approves of it. The degree program that you choose must be reviewed by you and your professor to determine if you have the adequate background and if a majority of the courses will substitute the 2nd year of your Master's degree program at UPM.

11. **I am interested in the MS program in Computational Decision Science and Operations research - where can I find more information about this?**

This is a rapidly growing field that requires a strong Math and computer science background:

[https://bulletin.iit.edu/graduate/colleges/computing/applied-mathematics/ms-computational-decision-sciences-operations-research/#programrequirementstext](https://bulletin.iit.edu/graduate/colleges/computing/applied-mathematics/ms-computational-decision-sciences-operations-research/#programrequirementstext)

**Core courses:**
- Algorithms
- Optimization
- Statistics
- Machine Learning
- Analysis-Game Theory

**Electives:**
- DataBases
- Data Mining
- Cloud Computing
- Information Retrieval
- Graph Theory
- Statistical Learning
- Mathematical Modeling
- Supply Chain
- Technology Management

**Why Decision Science & OR?**
- Learn to make better decisions via optimization and machine learning
- Need for decision processes that can not only parse voluminous data but also make recommendations based on the data.
• Beyond just data, the need for Mathematical models that build upon underlying phenomena rather than naïve data mining.

**How does the CDSOR program realistically help organizations?**

Some examples:
- A California hospital chain has used machine learning techniques and prescriptive analysis to reduce patient readmission.
- UPS has used route optimization to reduce the cost of parcel delivery while improving the accuracy of their results by learning routing data.

12. **What is the course number for the research project (Trabajo fin de Master) which could be incorporated into the Illinois Tech Masters’ degree program?**

It is xxx 597.

**Good news** - The Department of Applied Mathematics will now be able to introduce xx 597 on a case-by-case basis as prior it only allowed for xxx 594 which required a Pass/Fail grade and not a letter grade such as A, B or C. This means that UPM students can present their Trabajo fin de Master at IIT as with the other departments.

13. **Can I apply for a Master's degree program offered by the Department of Applied Mathematics, Department of Physics or the Stuart School of Business?**

Yes - you can apply for any Master's degree program offered by any of our departments at Illinois Tech as long as your specific school at UPM approves of it.

14. **How can I find information about the different departments at Illinois Tech?**

You may scroll through the general website [www.iit.edu](http://www.iit.edu) or google a specific department -e.g. Department of Applied Math, Illinois Tech and you will find the information - go to Master's programs
15. **What are the departments at Illinois Tech and how can I search for the Master's degree programs on offer?**

First decide on the department of interest, click on the link provided and then scroll down to **Master's programs** to see a list of all the Master degree programs on offer alphabetically.

**Armour College of Engineering**
- Dept of Electrical & Computer Engineering - [www.iit.edu/ece](http://www.iit.edu/ece)
- Dept of Civil, Architectural & Environmental Engineering - [www.iit.edu/caee](http://www.iit.edu/caee)
- Dept of Biomedical Engineering - [www.iit.edu/bme](http://www.iit.edu/bme)
- Dept of Mechanical, Materials & Aerospace Engineering - [www.iit.edu/mmae](http://www.iit.edu/mmae)
- Dept of Chemical & Biological Engineering - [www.iit.edu/chbe](http://www.iit.edu/chbe)
- Dept of Industrial Technology and Management - [www.iit.edu/intm](http://www.iit.edu/intm)

**College of Computing**
- Dept of Computer Science - [www.iit.edu/computer-science](http://www.iit.edu/computer-science)
- Dept of Applied Mathematics - [www.iit.edu/applied-mathematics](http://www.iit.edu/applied-mathematics)
- Dept of Information Technology & Management - [www.iit.edu/itm](http://www.iit.edu/itm)

**Stuart School of Business** - [www.stuart.iit.edu](http://www.stuart.iit.edu)

**Lewis College of Science & Letters**
- Dept of Physics - [www.iit.edu/physics](http://www.iit.edu/physics)
- Dept of Chemistry - [www.iit.edu/chemistry](http://www.iit.edu/chemistry)
- Dept of Biology - [www.iit.edu/biology](http://www.iit.edu/biology)
- Dept of Psychology - [www.iit.edu/psychology](http://www.iit.edu/psychology)
16. **What is the difference between an MAS, MS and M.Eng?**

The number of credits in general. Some MEng programs are 30 credits in all (60 ECTS) and some MAS programs are 30 or 32 credits. MS programs may be 32 or 33 credits.

M.Eng - Master of engineering

MAS - Professional Master

M.S. - Master of Science

If interested in continuing for a PhD and/or if a student likes research, it is preferable to choose the M.S. program.

17. **What are STEM fields of study?**

Science, Technology, Engineering or Mathematics

So any Engineering, Technology, Math field would be STEM

18. **Are there STEM Master degree programs offered by the Stuart School of Business at Illinois Tech?**

Yes - all of the Master of Science programs offered by the Stuart School of Business have a STEM designation.

19. **What will be the cost for attending Illinois Tech in Fall 2024?**

We will know the new cost for the new academic year August 2024-May 2025 sometime in Feb/March of this year.

The current cost (August 2023-May 2024) is available on the link below:

20. **If I am preselected and if I qualify for admission to Illinois Tech what scholarship will Illinois Tech offer me?**

All UPM students who are preselected and who qualify for admission to Illinois Tech are eligible for a partial merit scholarship of 12 credits for the year (2 consecutive academic semesters - not summer) if they apply to programs offered by the Colleges mentioned in 15. **excluding** the Stuart School of Business.

For programs offered by the **Stuart School of Business**, UPM students are eligible for 9 credits of scholarship for the year (two consecutive academic semesters- not summer)

Students are only eligible for ONE scholarship.

21. **How many courses may I transfer for credit and what does it mean?**

ONLY for the Department of Applied Mathematics and the Stuart School of Business, students are eligible to transfer **upto 9 credits of courses** (18 ECTS) of Master level courses that are compatible in content and number of hours and that they have successfully passed (6.5 out of 10).

However, for **ALL of the other departments**, students are eligible to transfer up to 6 credits (12 ECTS).

It means that if you have a) successfully passed (6.5 out of 10) those b) Master level course equivalents that are c) compatible in content d) number of hours to any two **elective courses** in the Master's degree program you choose to pursue at Illinois Tech, **if approved**, you will not need to repeat those two courses while at IIT.

This will reduce your credit load thus:

Example:

if pursuing a 32-credit hour Master's degree program, and if approved for transfer of credit of 2 courses, the credit load will be reduced by 6 credits 32 - 6 = 26 credits.

**Conditions whereby a student pursuing a Master's degree at Illinois Tech may not be able to graduate in 12 months:**

1. Students approved for transfer of credit for **only one course or none of the courses** (Engineering, Technology, Science - up to 6 credits) or up to 9 credits for Applied Math and Stuart School of Business programs. **This will also add to**
their cost as they will have to register and pay for those courses at IIT. Student will not be able to complete the degree in 12 months.

2. Students who **Fail one or more courses** (receive a C, D or E grade) will be required to retake the course(s) and **pay for the course(s) again**. If it is a necessary elective course that is **only offered once a year**, then the student will have to wait for the semester when the course is offered to retake it. Example, if the course is only offered in the Spring semester (Jan 2024) and the student failed it, s/he will have to wait for the following Spring semester (Jan 2025) to take the course. **Student will not be able to complete the degree in 12 months.**

3. Students who **do not meet our English Language proficiency requirements** per the English assessments completed at Illinois Tech, and who are conditionally admitted will be required to take the necessary English course(s) at **an extra cost** for the semester(s) and **pass the course(s)**. **Student will not be able to complete the degree in 12 months.**

4. Students who **do not have the prerequisites** necessary for the course(s). In such instances they would have to take the prerequisite course(s) and this would also **add an extra cost**. **Student will not be able to complete the degree in 12 months.**

5. Students who do not fulfill the number of hours required for their **research project** (Trabajo fin de Master) and/or who do not produce a good project. This would also **add an extra cost** as they would have to register for another credit the following semester to properly complete the project with the requisite number of hours and requirements. **Student will not be able to complete the degree in 12 months.**