Guide to Completing your Masters Degree in Information Technology and Management (ITM) and Cyber Forensics and Security (CFS)

ILLINOIS TECH | College of Computing

Welcome

Graduates of the ITM Master's degree should be able to:

- Deliver optimal technical and policy technology solutions for the problems of business, industry, government, non-profit organizations, and individuals in each student's particular area of focus.

- Work with, lead, and manage teams in an enterprise environment to collaboratively arrive at optimal technology solutions.

- Manage and deploy information resources applicable to each student's particular area of focus in an enterprise setting.

Welcome...cont.

Graduates of the CFS Master's degree should be able to:

- Design and implement a comprehensive enterprise security program using both policy and technology to implement technical, operational, and managerial controls.

- Comprehensively investigate information security incidents and violation of law using computer resources in a manner such that all evidence is admissible in a court of law.

- Technically secure enterprise information assets and resources to deter, detect, and prevent the success of attacks and intrusions.

Bulletin

- The IIT Bulletin describes the academic programs and resources, policies, procedures, and student services in effect at the time of publication. It serves as a primary source of information for graduate students, faculty, and administration. http://bulletin.iit.edu/graduate/

- The requirements described in this document are applicable to those students who enter Illinois Institute of Technology (IIT) in Spring 2021. Students follow the programs described in the Bulletin in effect at the time of their first registration.

- Changes in programs and policies often occur before a new bulletin is published. Updates are listed on the "ITM Loopback" Blog Resources page. https://blogs.iit.edu/itm_loopback/student-resources/

Prerequisites

- ITM 301 – Hardware & Software/ CompTIA A+ Cert. (ITM and CFS)
- ITM 311 – Beginning Java (ITM and CFS)
- ITMD 321 – Beginning Database & SQL (ITM and CFS)
- ITMD 361 – Beginning HTML, CSS, JavaScript, JQuery (ITM only)
- ITMO 510 – Intermediate Java (CFS Only)
- ITMO 540- Intro to Data Networks (CFS Only)

If you do not have experience/background in any of these areas, please see Ryan Nelson for advising after this session.

Minimum Requirements
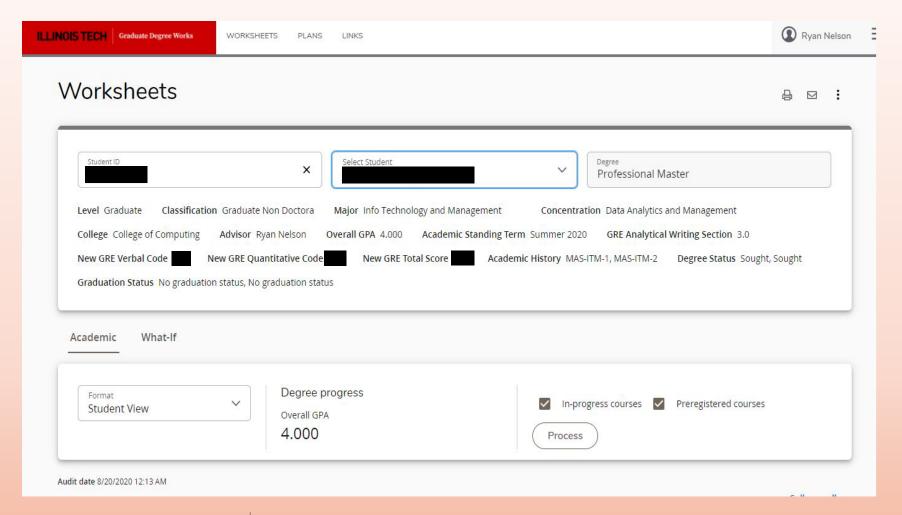
- Maintain a cumulative GPA of 3.0
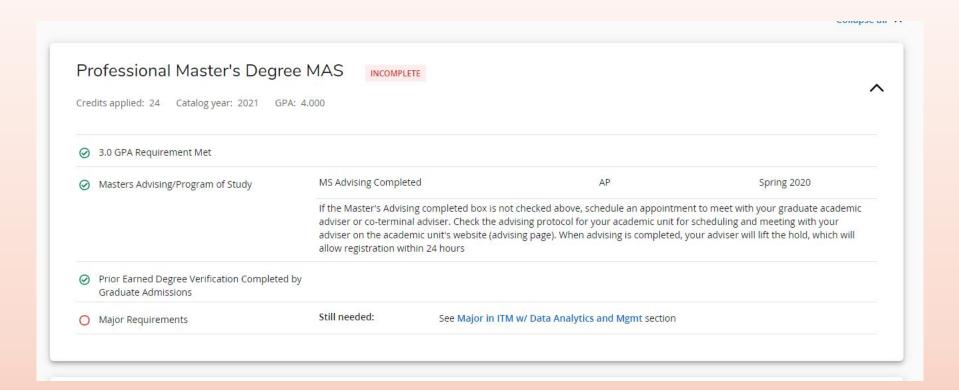
- 30 Credits (typically 10 courses)

- Only 500 level classes apply toward degree

Plan of Study Meeting with Advisor

- Every graduate student must meet with their Advisor during their first term to discuss their Plan of Study.

- During your individual advising meeting with your primary advisor, you and your advisor will carefully plan all semester courses you are required to take for graduation.

- After your meeting with your Advisor they will release your Advising Hold so you will be eligible to register for the following term.

- Registering for and attending a class that does not satisfy your Core and/or Specialization requirements may result in that class not being applied towards your graduation requirements.

Understanding Degree Works

- Degree Works is your self guided degree completion platform. You need take <u>ownership</u> of this.

- Can be accessed through your MyIIT portal Academics Tab, Graduate Academic Affairs window.

- You must declare your concentration through the Degree Works eForms tool prior to your Advisor meeting in order to view your required courses to graduate.

Understanding Degree Works

Understanding Degree Works

Understanding Degree Works

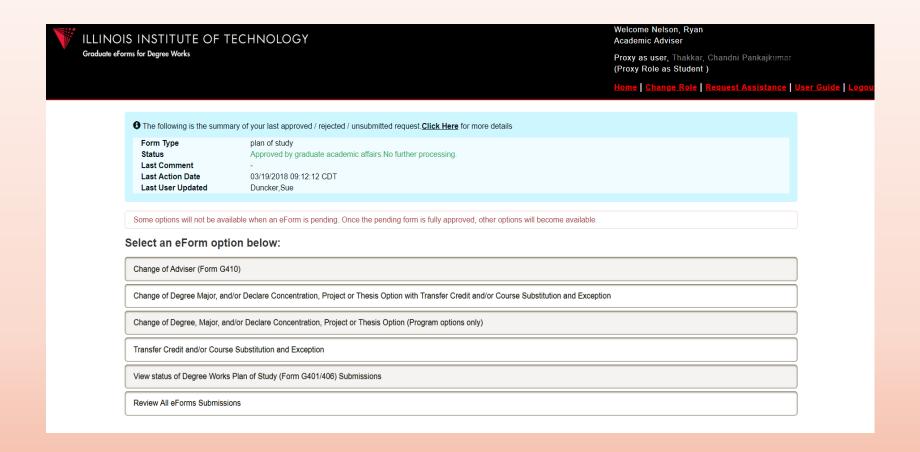Major in ITM w/ Data Analytics and Mgmt   INCOMPLETE

Credits required: 30   Credits applied: 24   Catalog year: 2021   GPA: 4.000

Unmet conditions for this set of requirements: 30 credits are required. You currently have 24. You still need 6 more.
Additional course limit restritions apply to this program: maximum 9 transfer credits and maximum 9 credits of accelerated 700 level courses

		Course	Title	Grade	Credits	Term
○	Required Courses (18 Credits)					
⊘	Programming for Data Analytics	ITMD 514	Programming for Data Analytics	A	3	Spring 2020
⊘	Advanced Topics in Data Management	ITMD 523	Adv Topics in Data Management	A	3	Spring 2020
○	Data Warehousing	Still needed:	3 Credits in ITMD 526			
⊘	Data Analytics	ITMD 527	Data Analytics	A	3	Summer 2020
⊘	Database Security	ITMS 528	Database Security	A	3	Spring 2020
◑	Object Oriented System Analysis, Modeling & Design	ITMT 531	OO Syst Anlys Mod & Des	NG	(3)	Fall 2020
◑	Additional Courses 1(3 Credits)	ITMD 566	Service-Oriented Architectures	NG	(3)	Fall 2020
◑	Additional Courses 2(3 Credits)	ITMD 525	Topic: Data Mining	NG	(3)	Fall 2020
○	General Electives(6 Credits)	ITMD 513	Open Source Programming	A	3	Summer 2020
		Still needed:	3 Credits in ITMD 500:599 or ITMS 500:599 or ITMO 500:599 or ITMM 500:599 or ITMT 500:599 or TECH 500:599			

Understanding Degree Works

Fallthrough (eform required for an internal transfer/substitution request)   ⌃

Credits applied: 0   Courses Applied: 0

Noncourse	Score	Term
Declaration of Specialization	AP	Spring 2020

Preregistered   ⌃

Credits applied: 9   Courses Applied: 3

Course	Title	Grade	Credits	Term
ITMD 525	Topic: Data Mining	NG	(3)	Fall 2020
ITMD 566	Service-Oriented Architectures	NG	(3)	Fall 2020
ITMT 531	OO Syst Anlys Mod & Des	NG	(3)	Fall 2020

Legend

⊘ Complete   ◯ Not complete   ◑ Complete except for courses in-progress   ⊙ Nearly complete - see advisor   ⬚ Prerequisite   @ Any course number

Understanding Degree Works-eForms

ILLINOIS INSTITUTE OF TECHNOLOGY
Graduate eForms for Degree Works

Welcome Nelson, Ryan
Academic Adviser

Proxy as user, Thakkar, Chandni Pankajkumar
(Proxy Role as Student)

Home | Change Role | Request Assistance | User Guide | Logout

ℹ The following is the summary of your last approved / rejected / unsubmitted request. **Click Here** for more details

Form Type	plan of study
Status	Approved by graduate academic affairs.No further processing.
Last Comment	-
Last Action Date	03/19/2018 09:12:12 CDT
Last User Updated	Duncker,Sue

Some options will not be available when an eForm is pending. Once the pending form is fully approved, other options will become available.

Select an eForm option below:

Change of Adviser (Form G410)

Change of Degree Major, and/or Declare Concentration, Project or Thesis Option with Transfer Credit and/or Course Substitution and Exception

Change of Degree, Major, and/or Declare Concentration, Project or Thesis Option (Program options only)

Transfer Credit and/or Course Substitution and Exception

View status of Degree Works Plan of Study (Form G401/406) Submissions

Review All eForms Submissions

ILLINOIS TECH | College of Computing   Department of Information Technology & Management

Advising

Primary Advisor

• *Ryan Nelson*

Ryan will help you navigate the curriculum, courses and registration. He's available to you as a resource for anything ITM related. If he's not the correct person to handle your question or issue, we will direct you to the appropriate individual.   You can book appointments with Ryan through this booking link https://nelsonr.youcanbook.me

Specialization Advisors

Secondary Advisor

- *Adarsh Arora – IT Management & Entrepreneurship*

- *Maurice Dawson – Computer & Information Security*

- *James Papademas – Software Development*

- *Jeremy Hajek – Smart Technology and Innovation*

- *Ray Trygstad – Information Technology Infrastructure, Management Information Systems, System Analysis, Web Design & Application Development*

- *Yong Zheng – Data Management*

ITM Specializations

- Computer & Information Security

- Data Analytics and Management

- Smart Technology and Innovation

- Information Technology Infrastructure

- IT Management & Entrepreneurship

- Management Information Systems

- Software Development

- System Analysis

- Web Design & Application Development

Specialization Requirements

24 credits of Specialization Courses (8 classes)

• The remaining 6 credit hours are free electives of your choice

• Any ITM course for which you meet the prerequisites

• Courses outside of ITM with department approval and prerequisites met

General Course of Study Requirements

General Course of Study (no specialization) focuses on the fundamental areas of Information Technology and Management.

21 credits of Specialization Courses (7 classes)
- Software Development: *Programming*
- System Technologies: *Application Development*
- System Technologies: *Information System Technologies*
- System Technologies: *Information Technology Architectures*
- Business Development: *Design*
- Business Development: *Management*
- Business Development: *Innovation*

9 credits of ITM Elective Courses (3 classes)

The remaining 3 classes (9 credits) are elective courses.

Your first term

1. Students pursuing a **Specialization** will register for <u>only</u> the courses specified on the advising form.

2. Students choosing **General Course of Study** will register for 3 courses from 3 different sections of the options provided

3. Students pursuing Cyber Forensics and Security will select the courses specified on the advising form

What section?

- 300 and 400-level classes are typically reserved for Undergraduates or students needing prerequisites
- Graduates must take the 500-level classes.
- Students must attend the section they registered for. If you register for a live section you must show up to the live class. If you register for an online section, you may not show up to the live class.

F1/J1 Students: (Non-COVID guidelines)
- May not take online classes during the first term on campus.
- May not take more than one online class per term after the first term.

Online / Live Classes

- Most ITM classes are offered online.

- When a class is offered with an online section, the live class is recorded and made available for the online viewer (typically within 24 hours). Professors also have the option to Stream lectures during course times.

- Live students and online students have access to the same video recordings, streams and materials.

Online / Live Classes

Hybrid (A)

Hybrid Asynchronous

Lectures will be recorded. If enrollment exceeds room capacity with social distancing restrictions, faculty will establish an alternating attendance schedule that will allow a substantial in-person experience for non-distance learners. Non-distance learners are expected to attend live when scheduled,and watch lectures electronically on other days

Hybrid (R)

Hybrid online with lab/recitation

All lecture material will be delivered online. An associated lab or recitation will be in person.

Hybrid (S)

Hybrid Synchronous

All classroom activities (audio and video) will be able to be seen and heard by students regardless of their location. Classes are held at a specific time and place. If enrollment exceeds room capacity with social distancing restrictions, faculty will establish an alternating attendance schedule that will allow a substantial in-person experience for non-distance learners. Non-distance learners are expected to attend live when scheduled and attend electronically on other days.

Online / Live Classes

In Person

Traditional In Person

Fully on-campus in a classroom with social distancing.. Distance Learners should not enroll.

Online

Online

Course structure will vary by instructor. Physical attendance is not typically required

Resources

- CPT/Internship/Employment
  Career Services
  Hermann Hall 113
  careerservices@iit.edu
  312-567-6801

- International Compliance
  International Center
  One Stop Student Center
  icenter@iit.edu
  312-567-3680

- Tuition & Fees/Payments/Billing
  Student Accounting
  Tech Central, 4th Floor
  sa@iit.edu
  312-567-3794

- Registration / Holds / Transcripts
  Office of the Registrar
  Tech South 2016
  registrar@iit.edu
  312-567-3100

- Immunizations/Counseling
  Student Health & Wellness
  IIT Tower, 3rd Floor
  student.health@iit.edu
  312-567-3810

- General University Questions
  One Stop Student Center
  MTCC 106
  onestop@iit.edu
  312-567-7550

- Computing/MyIIT problems
  OTS Support Desk
  Galvin Library, Upper Level
  supportdesk@iit.edu
  312-567-3375

Next Step

Schedule Advising Appointment with Ryan Nelson
(If not done already)

- https://nelsonr.youcanbook.me/
- Identify Spring 2021 classes
- Get PIN (if necessary)
- Register
- Book a new student advising appointment with your Academic Advisor (Ryan Nelson)-Live or Virtual depending on circumstances.