

THESIS GUIDE

2025-2026

MASTER IN SCIENCES IN FORENSIC SCIENCE

Department of Sciences, John Jay College of Criminal Justice, CUNY



Information contained in this guide is current as August 2025 and supplementary to the information on the college website and the information and regulations contained in the John Jay College Graduate Bulletin.

This Master of Science Thesis Guide is specific to the Master of Forensic Science (MS- FOS) program. It supplants the previous Master's Thesis Guidelines issued by the John Jay College Office of Graduate Studies. This document aims to be a comprehensive resource guiding students on all practical aspects of doing graduate research and submitting a Master's thesis in the forensic science program; it does not replace official college documents such as the Graduate Student Bulletin. Please contact the Program Director if you notice any inaccuracies or gaps in the content.

Overview

What is a thesis?

A thesis, or dissertation, is a document submitted in support of candidature for an academic degree.

What is the purpose of a thesis?

The primary purpose of the master's thesis is to demonstrate the student's capacity to conduct research in their field of study.

What is the thesis requirement?

Students must complete a research project and submit a **written** thesis to earn their MS degree. Students are also required to **present** their work in a public setting in front of their thesis advisory committee.

Are there rules about the research topic?

This thesis is expected to:

- a) contribute to the body of knowledge in the field of Forensic Science, and
- b) demonstrate mastery in the research methods applied by the student.

How long does it take to complete a thesis?

Designing a project, being trained in the relevant methods, performing the experiments, data analysis, and writing usually takes several semesters. However, this depends on the amount of time a student dedicates to their project. Typically, students would select a mentor and a project in the First or Second Semesters, perform experimental work in the Summer and Third Semester, and focus on data analysis, writing, and thesis presentation in the Winter break and Fourth Semester. See Timeline example below (page 6).

Is there a thesis course?

Yes, the Thesis Prospectus Course series will prepare students for thesis research (FOS795 and 796). Each student is also required to complete one laboratory research class (FOS797) with their mentor. See below for more information.

What is a thesis advisor?

A thesis advisor (or mentor) is the **person who supervises an MS student's thesis research**. The thesis advisor will work closely with a student, answer questions, and provide advice. The primary thesis advisor must be a full-time graduate faculty member in the MS-FOS program.

How do I find a thesis advisor?

The first prospectus course will introduce students to faculty research. Feel free to use the John Jay website, Google Scholar, or the library to look up current professors and their research areas. It is highly recommended that you explore and select your mentor in the first two semesters.

What is a thesis committee?

The thesis committee is required to have three members, who are usually professors and other experts in the field. The committee is involved in the students' work, reviews, and approves their thesis. The thesis committee will also grade the student's oral presentation and written thesis.

Who can be on the thesis committee?

Our accreditation board mandates the composition of the thesis committee to be:

- **Member 1:** The thesis advisor acts as the chair of the committee. They **must be full-time graduate faculty members** in the MS-FOS program.
- **Member 2:** The second reader must be **either a full-time or part-time (adjunct) graduate faculty member** in the MS-FOS program.
- **Member 3:** The mandatory third reader **must be external** to the MS-FOS Program; however, he/she must have appropriate academic credentials (as determined by the program director) or appropriate scientific expertise related to the research project.

The committee members must have an MS degree or a PhD degree. External members of the thesis committee may be drawn from other John Jay College Departments, other CUNY colleges, other universities or research institutions, or the different local crime laboratories. Thesis advisors will likely have colleagues that they have worked with, who could play this role. For students performing their research at another institution, e.g., during an internship, their supervisor at the remote location typically serves as the external committee member.

Who approves the thesis advisor committee?

The student and the Program Director both need to approve the thesis committee. The current Program Director is Dr. Concheiro-Guisan.

When do I start thesis research?

As soon as possible. As indicated before, an example for a timeline is provided below (page 6).

Who can help with writing and finding references?

The John Jay College library has knowledgeable staff who can help with literature research. The library offers online tutorials <https://www.lib.jjay.cuny.edu/tutorials>. For more information, contact the library <https://www.lib.jjay.cuny.edu/about/contactus>

How do I submit my thesis?

John Jay now requires an electronic upload. Instructions are included later in this guide.

Thesis Prospectus Series

How do students prepare for thesis work?

Students must complete the Thesis Prospectus series (FOS795-797) in order to be allowed to submit the thesis.

1) First Semester: Introduction to faculty research and campus resources

FOS795 is the first in a series of three mandatory prospectus courses. This is a seminar designed to introduce the student to John Jay college resources, current topics in forensic science, and scientific research design. In preparation for finding a mentor and starting thesis research, students will hear about scholarly research by science faculty, research ethics, and library and writing center resources. Students will be required to complete an online training module on research ethics provided by CUNY (Responsible Conduct in Research).

2) Second Semester: Feedback on research plan

FOS796 is the second required prospectus seminar course. It continues to introduce the student to scholarly research and professional and ethical issues in scientific research and forensic science. In this formal seminar, presentations by a combination of invited experts, faculty, and/or students on published articles, original research, and other relevant topics will provide students with a broader perspective on forensic science. In FOS 796 , students are required to develop and submit their research plan - a thesis prospectus (see Appendix 1 for details).

3) Third or Fourth Semester: Faculty-mentored research class

FOS797 is the third required prospectus class. Unlike FOS795 and FOS796, it is not taught as a lecture class. This course requires the student to work on a research project under the tutelage of a faculty member. Before registering for this class using the Graduate Thesis Prospectus form, the student must have identified a faculty mentor and a thesis project. The purpose of this course is to assist the student in completing their thesis research requirement. Please note that a research project may require Human Subject Research approval.

Timeline

What is the typical timeline* for thesis research?

First Semester (Fall)	FOS795: Students should start inquiring about MS-FOS faculty research and searching for a thesis advisor. They sign the “Thesis Advisor Agreement”.
Winter	Students should start working with their faculty mentor on formulating a project.
Second Semester (Spring)	FOS796: Students develop a project plan and submit a thesis prospectus.
Summer	Students work on the thesis experimental part.
Third Semester (Fall)	Students continue to work on experimental research and data interpretation.
Winter	Complete research and start thesis writing.
Fourth Semester (Spring)	<p>Students enroll in FOS 797 with their mentor.</p> <p>Students complete writing their thesis and present their research in a public forum in front of their committee. The student and their advisor need to plan a public (virtual or in-person) oral presentation of the thesis research shortly before or after completing the thesis manuscript.</p> <p>Students submit their thesis and related paperwork (committee approval) to the program director.</p> <p>After program director approval, they submit their thesis to the library to fulfill this degree requirement and graduate. Graduation also requires coursework completion.</p>
Summer	If delayed in the Spring, students submit their thesis for summer graduation.

* This timeline will be different for part-time students and students who need to complete missing prerequisites.

PLEASE NOTE: To graduate, **students must apply for graduation in the semester they are planning to submit their thesis. Students must have an active student status for the relevant semester.**

A Maintenance of Matriculation course (MAM791) is available if the thesis is delayed, and the student has already completed all required courses.

Time Limit

All master's degree requirements in a specific program must be completed within **eight years** of the date of entrance into that program. A student may refrain from matriculating for no more than four semesters within these eight years. Any exceptions to this rule must be based on very compelling extenuating circumstances and must be approved by the Dean of Graduate Studies or the Vice President for Enrollment Management.

Submission of Thesis

How do students submit their theses?

To submit their written thesis and receive their degree, students must complete the following tasks:

- Write their thesis document using the below-mentioned content expectation (see Appendix 3) and format (see Appendix 4);
- Present their thesis work in a public meeting in front of the committee;
- Receive committee approval. To give their approval, all three committee members must review the thesis and sign the committee evaluation form.
- Provide a copy of the written thesis to the MS-FOS program director (See typical due dates below “Director Approximate Due Date”);
- Receive program director final approval page (to be provided by the program director if the thesis is approved); and
- Upload their thesis and program director approval page (see below the due date “Registrar Approximate Due Date” and the instructions).

Each semester, the program director will provide all thesis due dates via email. Below, please find the general time frames for materials to be due:

	Director Approximate Due Date	Registrar Approximate Due Date
Spring Semester	Middle of May	End of May
Summer	Early August	Middle of August
Fall Semester	Early December	End of December

How do students upload their written documents?

All thesis uploads are done electronically. To do this, students must create two accounts:

- CUNY Academic Works (http://academicworks.cuny.edu/jj_etds/)
- ProQuest ETD Administrator (<http://www.etdadmin.com/cgi-bin/school?siteId=721>).

The thesis file must be in PDF format.

There are three things the student must prepare before uploading their thesis:

- First, the student needs to create up to six keywords representing the thesis content during online searches. These should be discussed with the advisor and must be ready before uploading.
- Secondly, the student must decide on a subject category for the thesis.
- Third, the student and the advisor must decide if they want an embargo, where the public cannot see the thesis until a later date. If yes, the options will be a delay of 6, 12, 18, or 24 months.

Complete instructions and guidelines for this process are included in the following website:

<https://new.jjay.cuny.edu/academics/graduate-programs/guidelines-electronic-submission-masters-theses>

Please note that a \$25 fee payable by credit card will be charged during submission to the ProQuest website. This fee covers the cost for the John Jay Library to receive a hard copy of the thesis.

Ordering additional hard copies for your use is optional.

The thesis upload must be done by the registrar's deadline to be able to graduate that semester.

Additional Information

Are there sample theses available for students to review?

The staff of the Lloyd Sealy Library and the Department of Forensic Science (MS-FOS) has created a 'Thesis Master List' to allow students to read previous research thesis submissions. Additional sample theses are available in the Lloyd Sealy Library in the John Jay College Stacks-Special Collections area.

Please follow the links to view the work of MS-FOS Alumni:

https://academicworks.cuny.edu/jj_etds/

<https://guides.lib.jjay.cuny.edu/gradstudents/theses>

Where can students find the thesis forms?

The forms and templates you will need for thesis submission will be posted on the FOS795 Brightspace page, or contact the program director, college assistant, or prospectus instructor to get the forms; they can be seen in appendices 5-7.

- MS- FOS Thesis Advisor Agreement
- Thesis template in Word (including official Title page and typed names committee page)

Appendices

Appendix 1: Thesis Prospectus

The thesis prospectus is a document that provides a road map for the proposed thesis. It is intended to get you thinking about your project early enough to ensure timely completion. The prospectus is to be prepared by the student in close discussion with the thesis advisor and should be approximately 3-5 pages long. It should include the following sections:

- An **introduction** to the problem followed by a review of the 4-6 most important articles covering previous work in the field and their contribution to the topic. This section needs to include a brief impact statement on how the proposed research will affect a forensic discipline.
- A brief outline of **methods, materials, and equipment** to be utilized in the project.
- A section on **ethical issues** and, for projects involving human subjects, plans for obtaining John Jay College Institutional Review Board (IRB) approval (see Appendix 2 for additional information).
- A discussion on **expected results** and how they will affect current knowledge and practices.
- **References** (in APA citation format).
- A rough **timeline** for the research, organized by blocks such as months, semesters, etc. The timeline should include target dates for:
 - Preliminary testing (e.g., feasibility studies)
 - Materials/supplies and sample acquisition
 - Testing phase
 - Data analysis
 - Thesis writing (plan on multiple drafts)
 - Oral presentation

Students are required to hand in the thesis prospectus to the FOS 796 instructor. Further details will be provided in class.

Appendix 2: Human Subjects and Responsible Conduct of Research

Any thesis research involving biological samples, surveys, or other research on human subjects requires a review and approval by the College's Human Research Protection Program (formerly IRB). This also applies to studies involving samples that have been subject to IRB approval from another institution. **Do not make any assumption about being exempt.** Students should contact John Jay's HRPP for information on submitting their proposed research for review. More information is available at <https://www.jjay.cuny.edu/research/research-compliance-integrity>

If a project requires IRB approval, all project researchers (including master's students) will have to complete an online certificate on Human Subject Research offered by the Collaborative Institutional Training Initiative (CITI).

CUNY research policy also mandates that graduate students who are involved in research must complete CUNY online training in Responsible Conduct of Research (RCR) within six weeks of starting their research. CITI also offers the RCR training, and instructions for both certificates can be found here: <http://www2.cuny.edu/research/research-compliance/training-education/citi-training/>.

Please note that both CITI modules will be discussed in FOS795.

Appendix 3: Thesis Content Expectations

General Remarks – A thesis project should be a stand-alone project with a sample size sufficient to be a novel data analysis method of existing data. Twenty-five is the minimum number of pages required, and there is no maximum page number limit. On average MS-FOS theses have been approximately 50 pages long.

Title Page – Title, author, degree, month (May, August or December, representing term submitted) (See Appendix 5)

Committee Page - Title, author, college acceptance sentence, names of committee members (with academic degree) (See Appendix 6)

Abstract – A summary of the thesis between 100 and 250 words; normally the last thing to write after all sections are complete.

Acknowledgments – Optional.

Table of Content – Arabic page numbers start with Introduction.

Introduction

Explain your research goals. State the problem and the relevance of the project. Include how you are addressing the open issues and what your research hypothesis is. It can be combined with the following section, Literature Review.

Literature Review

Describe prior research on your topic. Briefly cover the scientific foundation of your methods by summarizing other authors' work and describing gaps in the current knowledge.

Depending on your topic, this is also where you would write about the chemistry of your assay and/or the basics of your instrumental approach. For method optimization projects, providing instrumentation details and explaining previous protocols in this section will facilitate discussion of your results later.

The Introduction and Literature Review section can be combined. Together, they should cover a minimum of 20 peer-reviewed scientific articles or data sets. Depending on the topic, more articles will be needed to provide sufficient background information.

Material and Methods

This section should contain all of the information needed for another researcher to reproduce your results. For your test samples, list the source, sample numbers, and human subject approval if required. Describe each method used. You must list exact experimental steps and instrument settings.

This section should be more detailed than what you often see for material and methods in a published journal article. Reagents and equipment need to be listed with information on the supplier, which should be in the following format: (manufacturer, city, country).

Results

Present results in a logical fashion; grouped as needed. This section does not have to be chronological. Results need to be explained in the text. It is not acceptable to just post graphs and tables without describing what the reader is supposed to see. If your project generated a lot of raw data that may be of interest, this can be added as an appendix. The results section does not need to include every single result, but must include representative images, chromatograms, electropherograms, spectra, tables, etc., and the corresponding data summaries.

Sometimes it is easier to start discussing results as you describe them. In that case, combining the sections for Results and Discussion is an option.

Discussion

This section should critically evaluate data, compare your results to applicable research performed by others, formulate conclusions, and point out future directions for this type of research. If other authors have conducted similar experiments, this is the section where you need to cite them and compare their findings to yours.

Conclusions

This should be a brief recap (about a paragraph) of the discussion and close with future directions and your conclusions.

References

You must use the APA format. The APA style of documentation requires the “author-date” method of documentation with an alphabetical reference list (consult the library website for additional details on the format at https://guides.lib.jjay.cuny.edu/citing_sources/APA7).

All references cited in the text must be included in the reference list at the end of the thesis. **All** references in the list must have been mentioned in the text.

It is highly recommended to use a reference manager software, such as Mendeley, Refworks, Endnote or Zotero that allow for flexible and complete creation of a reference list. Many of these programs are free and easy to use, making it easier to avoid mistakes in the references. The library provides RefWorks for students: <https://guides.lib.jjay.cuny.edu/refworks>.

Appendices

Can be used for additional information, for example:

- More detailed results tables.
- Complete compilation of raw data.
- List of abbreviations used in text.
- More information on reagents and instruments.

Appendix 4: Thesis Format

General rules:

- 1) **Spacing:** The thesis, including the reference pages, must be double-spaced.
- 2) **Margins:** The left margin must be one and a half inches (1-1/2") for all drafts and final copies. The right, top, and bottom margins must be one inch (1").
- 3) **Pagination:** Thesis page numbers should be in Arabic numerals and should be placed in the upper right-hand corner or top center of the page; introductory pages should have lowercase Roman numerals. The abstract, title page and committee pages should not be numbered, nor should they be counted in the pagination.
- 4) **Citation:** The APA style (7th edition) of documentation requires the author-date method of documentation. The surname of the author and the year of publication are inserted in the text at the appropriate point. All references cited must be included in the reference list at the end of the thesis. Consult the library website for additional details.

Journal article example:

Grady, J. S., Her, M., Moreno, G., Perez, C., & Yelinek, J. (2019). Emotions in storybooks: A comparison of storybooks that represent ethnic and racial groups in the United States. *Psychology of Popular Media Culture*, 8(3), 207–217. <https://doi.org/10.1037/ppm0000185>

In-text parenthetical citation: (Grady et al., 2019)

- 5) **Quotations:** The Fair Use Clause of the Copyright Act must be observed in quoting copyrighted materials. It is advisable to request the copyright owner's permission for any quotation exceeding 150 words. It is wise to consult the individual publisher because, as an author, you are liable for copyright violations on the basis of the particular use.

Unpublished material may be protected under copyright law. Students are advised to contact the Library of Congress to request information regarding how to register unpublished material:

The Register of Copyrights
Library of Congress
Washington, D.C. 20559

- 6) **Footnotes:** Content footnotes are numbered consecutively throughout the thesis using superscript Arabic numerals and are placed at the bottom of the page on which they are referenced.

Appendix 5: Sample Thesis Title Page

The title of your thesis project

A Thesis Presented in Partial Fulfillment of the Requirements for the Degree of

Master of Science in Forensic Science

John Jay College of Criminal Justice

The City University of New York

Name of Student

May, August or December 20xx

Appendix 6: Sample Thesis Committee Page

The title of your thesis project

Name of Student

May, August or December 20xx

A thesis has been presented to and accepted by the Office of Graduate Studies, John Jay College of Criminal Justice in partial fulfillment of the requirements for the degree of Master of Science in Forensic Science.

John Jay College of Criminal Justice

City University of New York

Thesis Committee:

Thesis Advisor:

Second Reader:

Third Reader:

Appendix 7: Advisor agreement

MS-FOS Thesis Advisor Agreement

Student Name:
Thesis Advisor Name:
Thesis Topic or Preliminary Title:

The Advisor agrees to:

- Maintain communication and be available to aid and support as needed;
- Assist the Student in his/her thesis development;
- Be honest with the Student and give praise as well as constructive criticism;
- Send articles and reading materials that would benefit the Student;
- Serve as Chairperson on his/her thesis advisory committee; and
- Keep the Program Director informed about the progress of the thesis project

The Student agrees to:

- Maintain communication with his/her Advisor;
- Attend designated lab hours, lab meetings, and one-on-one meetings with the Advisor;
- Ask for assistance as the need arises;
- Complete thesis related tasks by the established deadlines; and
- Discuss with their Advisor intention to present/publish/discuss their research findings at any venue before committing to participating.

Advisors reserve the right to terminate this agreement, in cases in which the Student does not fulfill their responsibilities, as described above.

Students reserve the right to join a different lab or research group if the Advisor does not fulfill their responsibilities, as described above.

Advisor and Student agree to follow any safety regulations imposed by the EHS Director, Chemical Hygiene Officer and/or Public Safety Dept. in the laboratory.

Thesis Timeline:

Topic	Expected Completion Semester
Literature Review	
Experiments & Data Analysis	
Writing & Presentation	
Submission	

Student Signature_____

Date _____

Advisor Signature_____

Date _____

Received by Program Director (Initial/Date): _____