

# MSMS Research



# Plan Options

- Plan A- Thesis option requiring a minimum of 30 credit hours of graduate level coursework including 6 hours in Masters level research. Plan A requires a defense of the Master's thesis.
- Plan B- Non-thesis option requiring a minimum of 30 credit hours of graduate level coursework including no more than 3 credit hours of research. Plan B requires a final Master's exam.

**\*\*Both plans need a research mentor\*\***

# How do I find a mentor?

Behavioral Science- [Faculty](#)

Microbiology, Immunology and Molecular Genetics- [Faculty](#)

Molecular and Cellular Biochemistry- [Faculty](#)

Pharmacology and Nutritional Sciences- [Faculty](#)

Neuroscience- [Faculty](#)

Physiology- [Faculty](#)

Toxicology and Cancer Biology- [Faculty](#)



# Master's Committee

- A minimum of three faculty members should be on the committee.
- At least two of the three committee members (including the chair or co-chair) must be members of the graduate faculty, and at least one must be have full member status (tenured).
- Although faculty outside the College of Medicine are able to serve on the committee (when appropriate), at least two committee members must be from the College of Medicine.
- Form your committee at the beginning of the semester you are conducting research. Have a informal meeting or meet individually with faculty to discuss your plans.



# Research

- Register for research in the department you are conducting research (XXX790). IBS609 is available if your mentor is not in a basic science department.
- Share the Faculty Mentor Handbook with your mentor and let Bridget know who your research mentor is.
- Final exam does not have to be completed in the semester of the research.
- Mentor will assign a grade at the end of the semester.

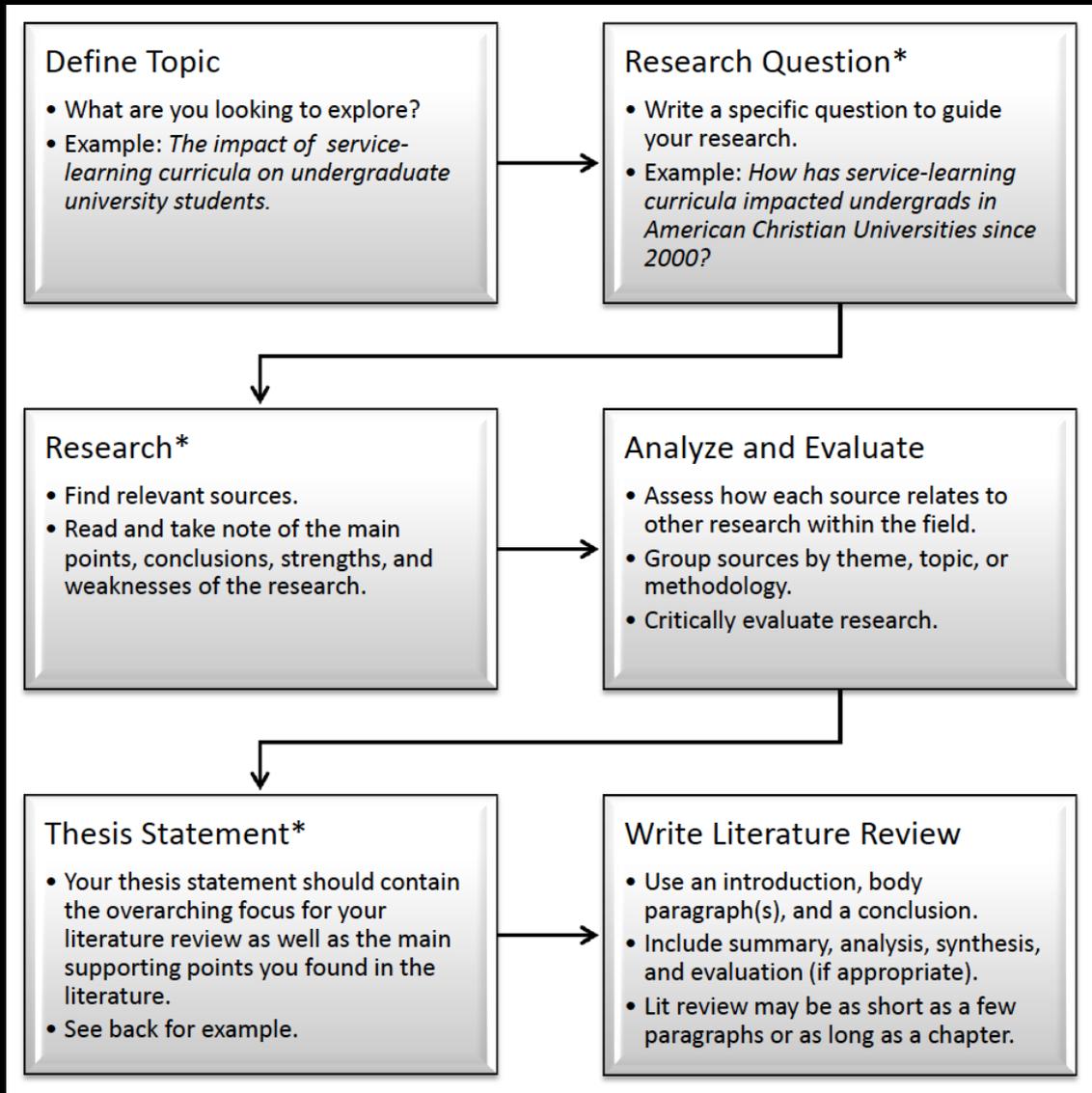
# PLAN A

- Bench research project
- 25-50 page thesis
- Typically takes 2+ semesters of research (can earn 6 credit hours)
- Must submit thesis to the Graduate School
- Thesis title appears on transcript

# PLAN B

- Small bench research project or literature review
- 12-15 page paper
- Can earn 3 credit hours

# Literature Review Steps



# Final Exam

- The Plan B (non-thesis) Master's does not have a formal written thesis but does require a final master's final exam that involves a written document covering a small research project or a research paper (literature review).
- If the student performs a bench research project, the report should be in the form of a manuscript (Background, Methods, Results, Discussion) and be least 12-15 double spaced pages in length (**not** including title page, figures, and references).
- If the student writes a literature review, the report should be in the form of a review paper (Thesis/Topic Statement, Review of Relevant Literature, Discussion) and be least 12-15 double spaced pages in length (**not** including title page, figures, and references).

# Final Exam

- The master's final exam involves a PowerPoint presentation by the student that will serve as the basis for questioning about the research project or report by the three-member committee. The report should be provided to the committee at least two weeks prior to the date of the exam. The exam typically lasts around one hour.

# FORMS

<http://gradschool.uky.edu/studentforms>



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## Student Forms

### Admission to Special Programs

- [BS Engineering/MBA Joint-Degree Program \(pdf\)](#)
- [BS Electrical/Mechanical Engineering/MS manufacturing Systems Engineering Joint-Degree Program \(pdf\)](#)
- [Graduating Seniors as Part-Time Graduate Students \(pdf\)](#)
- [PharmD/MBA Joint-Degree Program \(pdf\)](#)
- [PharmD/MPA Supplementary Application \(pdf\)](#)
- [University Scholars Program \(pdf\)](#)

### International Applicants

- [Financial Resources Requirement Sheet](#)
- [Financial Certificate for International Applicants \(pdf\)](#)
- [Required Supplemental Information and DSO/RO Report](#)

### Registration

- [Add/Drop \(for current term\)](#)
- [Add/Drop \(for prior terms\) \(pdf\)](#)
- [Request for Post Mid-Term Withdrawal \(pdf\)](#)
- [Request for Credit Overload \(pdf\)](#)
- [Extension of Incomplete \("I"\) Grade \(pdf\)](#)
- [Undergraduate Enrollment in a Graduate-Level Course \(pdf\)](#)
- [Request for Repeat Option \(pdf\)](#)
- [Visiting Graduate Student \(pdf\)](#)

### Students in Master's/Specialist Programs

- [Check sheet for Master's Non-Thesis Students \(pdf - for personal use\)](#)
- [Check sheet for Master's Thesis Students \(pdf - for personal use\)](#)
- [Concurrent Master's Degrees \(pdf\)](#)
- [Request for Final Master's Degree Examination \(login required\)](#)
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- [Graduate School Application for Degree - Click on Student Services / myRecords / Graduate Degree Application](#)
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