ACCOUNTANCY AND ANALYTICS (MS)

This program was approved for students entering the university in the Summer 2025-Spring 2026 catalog year. For more information about catalog year, go to Catalog Year Information (https://catalog.louisville.edu/undergraduate/university-wide-unit-specific-policies/catalog-year/).

Master of Science in Accountancy and Analytics

Unit: College of Business (https://business.louisville.edu/) (GB)
Department: Accountancy (https://business.louisville.edu/academics-programs/undergraduate-programs/accountancy/)
Academic Plan Code(s): ACANMS

Program Information

The mission of the College of Business is to prepare students for responsible and rewarding careers, as well as to enhance the economic vitality of the city, the region, and the broader business community. The Master of Science in Accountancy and Analytics (MSAA) program serves both missions by creating an opportunity for business professionals to have access to a continuing education program in the accounting and analytics area. The combination of accounting and analytics knowledge will satisfy regional labor requirements as businesses transition to a more data driven environment.

This program is designed to:

- Equip graduates with technical accounting knowledge of GAAP (Generally Accepted Accounting Principles)
- Prepare graduates to assume leadership positions in the professional practice of accounting as Certified Public Accountants
- Provide graduates with functional knowledge of data science from a managerial perspective
- Impart graduates with programmatic or professional understanding of the results of data effectively, especially in terms of data visualization and data storytelling.

The Master of Science in Accountancy and Analytics is a 37 credit hour cohort-based program. Graduates of the program may also receive the Graduate Certificate in Managerial Analytics. This graduate certificate is a twelve (12) credit hour certificate that provides business professionals with he skills to thrive in a data driven environment.

Admission Requirements

- **Create application account**
  Apply at the College of Business graduate programs website (https://business.louisville.edu/academics-programs/apply-to-cob/).
- **Two letters of recommendation**
  Within the application, submit name and email address of your recommender. He/she will receive an email invitation on your behalf. Your recommender should speak to your character, academic aptitude, etc.
- **Professional resume**
- **Personal statement**
  Within the application, attach a one–two page Word document describing your interest in the University of Louisville MAC program, why you selected the University of Louisville, your short and long term goals and any additional information you feel is relevant.
- **Submit and pay application fee**
- **Official college transcript(s)**
  Order an official college transcript from all colleges attended, including the degree granting institution.
- **Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE)**
  Waivers available

International Applicants

We welcome international applicants. Please be aware there are documents required in addition to the above list. Visit the graduate admissions page of the College of Business website (https://business.louisville.edu/academics-programs/apply-to-cob/) and open the International Applicant Checklist.

Program Requirements

Year 1		
Fall		**Hours**
MAC 610	Commercial Law for Professional Accountants	3
MAC 620	Advanced Audit and Assurance Services	3
MAC 644	CPA Exam Preparation BEC	1
MAC 660	Financial Statement Analysis	3
MAC 668	Statistical Analysis	3
	Hours	**13**
Spring		
ANLY 610	Database	1.5
ANLY 625	Spreadsheet Modeling for Analytics	1.5
MAC 622	Advanced Accounting Information Systems	3
MAC 626	Advanced Corporate Financial Reporting	3
MAC 632	Leadership	1.5
MAC 640	CPA Preparation and Review AUD	1
MAC 646	CPA Preparation and Review FAR	1
	Hours	**12.5**
Summer		
ANLY 615	Artificial Intelligence	1.5
ANLY 620	Advanced Business Analytics	1.5
ANLY 630	Blockchain	1.5
ANLY 635	Storeytelling with Data	1.5
MAC 642	CPA Exam Preparation REG	1
MAC 676	Global Learning	1.5
MAC 680	Capstone Project I	1.5

MAC 682	Capstone Project II	1.5
	Hours	**11.5**
	Minimum Total Hours	**37**

The Master of Accountancy and Analytics program prepares students to meet the requirements for certification and/or licensure. If you plan to pursue professional licensure or certification you should first determine your state's criteria for examination and licensure to see how/if our program meets those requirements prior to enrollment. We recommend that you also contact your state's licensing board directly to verify that the requirements have not changed recently and to answer any questions especially those regarding additional requirements beyond the degree.

More information about certification or licensure is available at the following website:

Kentucky State Board of Accountancy - CPA Exam Candidates

https://cpa.ky.gov/examcandidates/Pages/default.aspx

National Association of State Boards of Accountancy (NASBA) - The CPA Candidate Bulletin

https://nasba.org/candidate-guide/