

# MANAGEMENT INFORMATION SYSTEMS AND ANALYTICS (FORMERLY COMPUTER INFORMATION SYSTEMS)

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Management Information Systems and Analytics courses are offered by the Department of Finance, Information Systems, and Management Science.

Over the past few decades, computerized information systems have helped transform the business and social landscape in North America and around the world. To be successful today, companies require individuals who possess in-depth understanding of the technologies and processes underlying the new environment, and, at the same time, understand the strategic information needs of businesses and consumers. The Bachelor of Commerce degree with a major in Management Information Systems and Analytics is designed to prepare students to fill this important role in modern organizations.

## Program

The Bachelor of Commerce is a well-established, foundational degree and requires the requirements listed below alongside general graduation requirements (<https://smu-ca-public.courseleaf.com/undergraduate/faculties/sobey-school-business/bachelor-commerce/>).

## Major in Management Information Systems and Analytics

Students with an interest in the Management Information Systems and Analytics major are encouraged to seek advising early from an Academic Advisor, Department Advisor or Chairperson.

In addition to the general requirements to complete a Bachelor of Commerce (<https://smu-ca-public.courseleaf.com/undergraduate/faculties/sobey-school-business/bachelor-commerce/>) degree, students majoring in Management Information Systems and Analytics must complete the requirements listed below. Students should consult an Academic Advisor to help plan how to distribute these requirements throughout their program.

Code	Title	Credit Hours
<b>Major Requirements:</b>		
MISA 2325	Applied Information Systems (formerly CISY 2325)	3
MISA 3326	Database Programming (formerly CISY 3326)	3
MISA 3400	Business Analytics (formerly CISY 3400)	3
MISA 4425	Systems Analysis and Design (formerly CISY 4425)	3
MISA 4435	Information Systems Projects and Practice (formerly CISY 4435)	3
MISA 4436	Communication Networks and Security (formerly CISY 4436)	3
Select three credit hours in Management Information Systems and Analytics electives <sup>2</sup>		3

Select three credit hours in Commerce electives at 3000-level and above<sup>2</sup> 3

### Additional Free Elective Requirements:

Select three credit hours in free electives<sup>3,4</sup> 3

**Total Credit Hours** 27

### Notes:

- <sup>1</sup> To complete a major in Management Information Systems and Analytics, students must attain a minimum grade point average of 2.2 in all Management Information Systems and Analytics courses taken at the 2000 level and above.
- <sup>2</sup> If a course satisfies both a major requirement and a core elective requirement, the number of free electives will increase by three (3) credit hours.
- <sup>3</sup> Students admitted to the Bachelor of Commerce students prior to 2023-2024 may have different additional elective requirements and should consult with an academic advisor.
- <sup>4</sup> Additional Elective Requirements: Students pursuing a Bachelor of Commerce degree with a major in Management Information Systems and Analytics must complete three (3) additional credit hours in free electives over and above the fifteen (15) free elective credit hours required by the degree. These additional free elective credits are necessary to fulfill the 120-credit hour requirement in the Bachelor of Commerce program. Students pursuing double majors should consult with an academic advisor.