The Accounting Information Systems (AIS) Program is designed for students to gain the knowledge and skills required to bridge the gap between accounting and technology. The AIS program emphasizes student's developing in demand skills in the areas of data analytics, business process knowledge and information technology risk assessment. AIS is a unique program, started in 2002, as one of only 30 schools offering similar programs in the U.S. AIS majors are often dual majors with accounting who join the AIS program after starting at Canisius while some students major only in AIS. The AIS major skills are in demand in themarket place. Some AIS graduates choose careers in technical positions such as an Information Systems Auditor for high paying jobs with public accounting firms and financial institutions. These positions typically pay higher starting salaries than the entry level accounting positions. Other graduates use their AIS knowledge to supplement their accounting skills to enhance their performance in their professional careers and improve the chances of landing their first professional position.

From its inception, the AIS program has strived to reinforce concepts with state of the art technology that expands the career opportunities of our graduates. More recently, in 2013, Canisius College joined the SAP University Alliance (http://scn.sap.com/community/uac/) which enables the college to use SAP software for instructional purposes. SAP is the worldwide leader in enterprise resource planning (ERP) software solutions. Students benefit from hands on use of SAP software throughout the AIS program. The SAP initiative was made possible through partnerships with local businesses. Additionally, as a member of the SAP University Alliances program, Canisius College offers the SAP Student Recognition Award certificate to students who satisfactorily complete a minimum of three AIS courses that include at least one-third SAP hands-on content.

Courses are taught by full-time faculty members who bring real-world knowledge to the classroom through their experiences as accounting and systems professionals. You will benefit from the department’s close ties with business leaders who often provide internship opportunities, permanent jobs, and valuable advice. Additional information is available at the Accounting Information Systems website (https://www.canisius.edu/academics/programs/accounting-information-systems/).
Sophomore

Fall
MGT 101
ACC 211
ECO 255
ISB 101
Field of Knowledge 4 - History
Spring
MKT 201
ACC 212
ECO 256
ACC 307
Field of Knowledge 3 - Arts
BUS 201

Junior

Fall
ACC 301
ACC 303
FIN 201
Field of Knowledge 1 - Religion
Field of Knowledge 2 - Philosophy
Field of Knowledge 6 - Science
A&S Elective
Spring
ACC 331
ENG 389
A&S Elective

Senior

Fall
ISB 340
ACC 426
MGT 325
MGT 370
Core Capstone
Spring
ACC 452
MGT 446
Free Elective
Free Elective
A&S Elective

ACC 307 Accounting Information Systems 3 Credits
Development, organization, and implementation of accounting and management information systems. Emphasis on enterprise risk management, systems controls, processing cycles, and systems development life cycle.
Prerequisite: ACC 201 & ISB 101.
Offered: fall & spring.

ACC 331 Data Analytics in Accounting 3 Credits
Overview of electronic business transactions emphasizing concepts and foundations underlying data analytics for accounting. Course provides theoretical foundations of business intelligence, descriptive analytics, data visualization, and predictive analytics. Students apply data analytic concepts through the use of analytics software.
Prerequisite: ACC 307 (may register concurrently).
Offered: every spring.

ACC 426 Information Systems Auditing 3 Credits
Information system control design and auditing in the internet, electronic and paperless environment; management of security technology; operating and application system processing controls; prevention of unauthorized activity.
Prerequisite: minimum grade of C- in each of ACC 307 & one of the following: ACC 331, ACC 452, or ACC 425.
Offered: fall.

ACC 452 Enterprise Systems 3 Credits
Evaluating enterprise information, enterprise resource planning (ERP) system design and functionality, data integrity, use of financial and non-financial information for organizational decision-making, business process improvement and risk management.
Prerequisite: minimum grade of C- in ACC 307.
Offered: spring.

ISB 340 Database Management Systems 3 Credits
Design and application of database management systems. Topics include structured query language (SQL), data structures, querying and report writing, database design and administration, data mining and security.
Prerequisite: ISB 101 or equivalent.
Offered: every fall.