



**ADVANCED BUSINESS CERTIFICATE (ABC)
IN
INFORMATION TECHNOLOGY (IT) AUDIT**

In the information-based business environment, business professionals who are technically competent in IT or IT specialists who understand control, commerce and financial operations, are in great demand for IT and audit careers. This program is created for IT professionals and auditors who wish to enhance their functional knowledge of IT and audit issues.

Location: Graduate Business Learning Center (GBLC) in Hartford

Departments offering the Program

Accounting Department and Department of Operations and Information Management (OPIM) in the School of Business.

Eligibility and Application Process

To qualify for admission to the ABC-IT Auditing program, the applicant must have an undergraduate degree and are working professionals in the areas of Information Technology or Accounting. Advanced Business Certificate (ABC) applicants may apply to the program at any time during the year. Apply online at <http://www.business.uconn.edu/abc>.

Courses

Acct 5543: Advanced Assurance Services - **OFFERED IN Summer and Fall**

Acct 5553: Evaluating Internal Controls - **OFFERED IN Summer and Spring**

*OPIM 5165: Management Information Systems - **OFFERED IN Fall and Spring**

OPIM 5272: Business Process and Data Management - **OFFERED IN Fall**

OPIM 5894: Enterprise Information Security and Auditing - **OFFERED IN Spring**

Pedagogy

Accounting courses are offered as online courses. Other courses will be offered in a blended fashion with a mixture of face-to-face and online instruction.

* *Pre-requisite. Required if no background in IT*



Contacts

Please contact the program office or the individual departments for further details. You can also obtain further information from <http://www.business.uconn.edu/abc>.

Course Details

Please note that some of the courses have prerequisites that must be satisfied. If a student in the Certificate program has completed a course that is equivalent to one of the listed courses at UConn or another institution, the respective course in the Certificate program may be waived. However, no more than two courses may be waived – one each in Accounting and OPIM. The waiver decision is at the discretion of the instructor teaching the course. The Audit prerequisite cannot be waived. It is suggested (though not required) that OPIM 5165 is taken prior to other OPIM courses. All other courses may be taken concurrently or in any sequence.

Acct 5543: Advanced Assurance Services - **OFFERED IN Summer and Fall**

Advanced treatment of significant assurance services issues. This course is intended for students with previous coursework in assurance services and/or auditing. Emphasis is placed on: (1) planning and performing audits of financial information systems, (2) computer applications of auditing and assurance services, (3) statistical applications in auditing and assurance services, and (4) contemporary ethical and legal issues confronting the professional accounting environment.

Acct 5553: Evaluating Internal Controls - **OFFERED IN Summer and Fall**

This course examines frameworks for evaluating the control practices that an organization relies on to help ensure the integrity of information provided by its accounting systems. Students will learn how to (1) analyze an organizations control environment and processes to assess information integrity risks that can be managed with control procedures; (2) design, implement, and monitor internal controls for both manual processing procedures and information-technology-intensive accounting systems; (3) test the effectiveness of controls and evaluate the extent to which deficiencies threaten the reliability of accounting information.

OPIM 5165: Management Information Systems - **OFFERED IN Fall and Spring**

A manager is concerned with the solution of business problems by exploiting the information resources available through the explosion in information technology. Emphasis is on business applications and the development and use of information systems for maximum benefit to the organization. Topics include: decision support systems, impact of the computer upon individual and organizations, competitive implications, technology change, telecommunications, and control of information systems, resources.

OPIM 5272: Business Process and Data Management - **OFFERED IN Fall**

Data is a core business asset, and the need to manage it efficiently and use it effectively has assumed paramount importance. In all business domains – financial, marketing, operations, etc., pertinent and available data is bedrock for actionable business intelligence, predictive modeling and other data mining techniques, which is a key element of business productivity and growth. This course introduces market-leading techniques for transaction processes as well as decision making and business intelligence, which help to identify and manage key data from business processes. It provides the essential tools required for further data mining applications. It combines lecture, class discussion and hands-on computer work in a business-oriented environment.



OPIM 5894: Enterprise Information Security and Auditing - **OFFERED IN Spring**

Most companies handle their financial, operational, HR and other data in electronic form, and this data is the input to their annual report and other decision making tools. This course shows you how to secure the data handling and management process. A well-controlled and secure data supply chain, using proper security architecture, can be used to your advantage as a competitive tool. Given growing compliance requirements, being able to verify and audit your security process instills confidence in your customers and investors, and reduces unexpected market losses (think Choicepoint, Citibank, credit card, etc. data thefts and losses).

Certification Opportunities

The program covers many of the topics required for the Certified Information Systems Auditor (CISA ®) Certification, offered by Information Systems Audit and Control Association (ISACA). These knowledge domains are:

- Audit Process
- Management, Planning and Organization of IS
- Technical Infrastructure and Operational Practices
- Protection of Information Assets
- Disaster Recovery and Business Continuity
- Business Application System Development, Acquisition, Implementation and Maintenance
- Business Process Evaluation and Risk Management