INFORMATION SYSTEMS, CERTIFICATE IN (POST-BACCALAUREATE UNDERGRADUATE CERTIFICATE)

The Certificate in Information Systems is designed for students who hold bachelor's degrees in fields other than information systems and who wish to continue their education in information systems but are not pursuing a graduate degree at this time. Candidates for the certificate are required to complete a total of 30 hours beyond the bachelor's degree, including the courses listed below or their equivalents, with a minimum of 24 credit hours of study in information systems to be taken while in the undergraduate certificate program at VCU.

The certificate is designed to provide more than a basic knowledge of information systems. Specifically, persons completing the program are expected to achieve competency in understanding information systems terminology, concepts and principles; computer program design, writing and testing; systems analysis/design through proper application and knowledge of current hardware and software; and planning and carrying out system development and the management of information systems. Students acquiring these skills are well-received in the business community and in governmental organizations.

For additional information, please visit the School of Business website (https://business.vcu.edu/academics/information-systems/post-baccalaureate-certificate-in-information-systems/).

Learning outcomes

Upon completing this program, students will know and know how to do the following:

- Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions
- Design, implement and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles
- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline
- Support the delivery, use and management of information systems within an information systems environment

Special requirements

Students cannot be accepted into the program until they have completed all the requirements for their bachelor's degree and have achieved a minimum 2.5 GPA in their undergraduate work.

After acceptance in the program, certificate candidates are required to complete a minimum of 24 credit hours of their program at VCU.

Academic regulations for School of Business post-baccalaureate undergraduate certificates

The School of Business has specific academic regulations (https://bulletin.vcu.edu/undergraduate/business/undergraduate-information/post-baccalaureate-certificates/)that apply to students in the undergraduate certificate program.

INFO 202 is a prerequisite for INFO 350 and INFO 364. MATH 211 is a prerequisite for INFO 350.MATH 211 cannot be used as an elective within the information systems post-baccalaureate program. Exceptions to prerequisite courses require recommendation of the adviser and permission of the department chair.

Degree requirements for Information Systems, Certificate in (Post-baccalaureate undergraduate certificate)

Course	Title	Hours
Required courses [1]		
INFO 202	Introduction to Information Systems Development Technologies	3
INFO 300	Information Technology Infrastructure	3
INFO 350	Intermediate Programming	3
INFO 361	Systems Analysis and Design	3
INFO 364	Database Systems	3
Electives		
Approved upper-level electives		15
Total Hours		**30**

The minimum number of credit hours required for this certificate is 30.

[1]

Students who receive waivers for any required courses must complete additional approved upper-level information system electives to total 30 credits.

Recommended course sequence/plan of study

(Most students are enrolled part time. Students planning full-time enrollment should consult with the program adviser.)

Year one		
Fall semester		**Hours**
INFO 202	Introduction to Information Systems Development Technologies	3
INFO 300	Information Technology Infrastructure	3
	Term Hours:	**6**
Spring semester		
INFO 350	Intermediate Programming	3
INFO 364	Database Systems	3
	Term Hours:	**6**
Year two		
Fall semester		
INFO 361	Systems Analysis and Design	3
Approved upper-level elective		3
	Term Hours:	**6**
Spring semester		
Approved upper-level elective		3
Approved upper-level elective		3
	Term Hours:	**6**
Year three		

Fall semester

Approved upper-level elective	3
Approved upper-level elective	3
Term Hours:	**6**
Total Hours:	**30**

The minimum total of credit hours required for this certificate is 30.