VCU School of Business
Office of Undergraduate Studies

Make it real.

Post-Baccalaureate Undergraduate Certificate Information Systems

The Post-baccalaureate 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 or aspire to a master's degree. 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 at VCU. Completion of this certificate does not guarantee admission into the Master of Science in Information Systems program.

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 our website at http://business.vcu.edu/undergrad

Major core (24 credits)
INFO 300 Information Technology Infrastructure
INFO 323 Ethics, Social and Legal Issues in Information Systems
INFO 350 Intermediate Programming
INFO 361 Systems Analysis and Design
INFO 364 Database Systems
INFO 370 Fundamentals of Data Communications
INFO 461 IS Planning and Project Management
INFO 465 Projects in Information Systems

Upper-level electives (6 credits)

Total 30 Credits

Note: INFO 160 and 202 cannot be used as an elective within the information systems certificate.

Approved electives (three credits each) :
INFO 320 Business Intelligence and Data Mining
INFO 450 Advanced Programming
INFO 451 Java Support for E-business
INFO 463 Business Process Engineering
INFO 468 Information Engineering
INFO 472 LAN Administration
INFO 474 Advance Networking and Security, and TCP/IP
INFO 491 Topics in Information Systems
INFO 492 Independent Study in Information Systems
INFO 493 Internship in Information Systems

Students who wish to concentrate their electives within a track to gain enhanced proficiency may do so.
The recommended tracks are:
Application development: INFO 450 and 451
Network management INFO 472 and 474
Business analysis: INFO 463 and 468

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