

# DATABASE MANAGEMENT SYSTEMS CERTIFICATE

Post-Baccalaureate Certificate

<https://www.towson.edu/fcsm/departments/computerinfosci/grad/database-management-certificate.html>

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The Post-Baccalaureate Certificate in Database Management Systems covers the study, design and development of database systems, and discusses the major issues in managing a large database system. This program provides graduate-level education in IT for students wanting to make progress in the high-tech work environment or preparing to enter the high-tech work force. This course of study can be completed as a stand-alone graduate certificate or applied to the M.S. degree program in Applied Information Technology. The program is intended for students who have a bachelor's degree in a computing-related field and are working as programmers, software engineers, system analysts, etc., who will enter the program for advanced study.

The program may also be of interest to persons who:

- Do not have a bachelor's degree in the field, but are currently employed in the IT field and are seeking additional academic studies for professional growth or to advance their career.
- Have a bachelor's degree in a discipline other than IT who are seeking preparation for careers in this field.

## Admission Requirements

Admission requirements for the post-baccalaureate certificate program are the same as those listed for the M.S. in Applied Information Technology.

## Non-immigrant International Students

**Program Enrollment:** F-1 and J-1 students are required to be enrolled full-time. The majority of their classes must be in-person and on campus. See the list of programs that satisfy these requirements, and contact the International Student and Scholars Office with questions.

**Admission Procedures:** See additional information regarding Graduate Admission policies and International Graduate Application online.

\*\*See **Exceptions to Policy** in Graduate Admissions.

## Certificate Requirements

Code	Title	Units
AIT 600	INFORMATION TECHNOLOGY INFRASTRUCTURE	3
AIT 610	SYSTEMS DEVELOPMENT PROCESS	3
AIT 632	DATABASE MANAGEMENT SYSTEMS	3
AIT 732	ADVANCED DATABASE MANAGEMENT SYSTEMS	3

AIT 735	CASE STUDIES IN DATABASE MANAGEMENT SYSTEMS	3
<b>Total Units</b>		<b>15</b>

- Understand the information technology infrastructure and its place and value in today's business.
- Work effectively in teams and communicate effectively, both orally and in writing.
- Use their proficiency to solve a variety of problems.
- Prepare, present and develop proposals and solutions for today's governmental and industrial needs.