

DATABASE MANAGEMENT SYSTEMS CERTIFICATE

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

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The Graduate 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.

Requirements

Admission Requirements

Application deadlines and a full listing of materials required for admission can be found on the website.

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
Total Units		15

Learning Outcomes

1. Understand the information technology infrastructure and its place and value in today's business.
2. Work effectively in teams and communicate effectively, both orally and in writing.
3. Use their proficiency to solve a variety of problems.

4. Prepare, present and develop proposals and solutions for today's governmental and industrial needs.