

Prepared by the Department of Business

Date of Departmental Approval: March 2, 2015

Date Approved by Curriculum and Programs: March 9, 2015

Effective: Fall 2015

1. **Course Number:** BIT251  
**Course Title:** SQL and SQL Server for Developers
2. **Description:** Students learn the essential Structured Query Language (SQL) skills necessary to become a Database Administrator (DBA.) SQL Server and Management Studio are used to manipulate data, implement database designs, manage database security, and use database features including scripts, functions, and transactions.
3. **Student Learning Outcomes:** Upon successful completion of this course, students are able to do the following:
  - Describe the concepts and terms necessary for working with any database
  - Demonstrate proficiency using SQL Server and Management Studio
  - Utilize SQL to retrieve, add, update, and delete data
  - Design and implement a database using SQL statements and the Management Studio
  - Demonstrate proficiency using views, scripts, stored procedures, functions, triggers, cursors, and transactions.
  - Manage database security
  - Work with (Extensible Markup Language) XML and Binary Large Object (BLOB) data
4. **Credits:** 3 credits
5. **Satisfies General Education Requirement:** No
6. **Prerequisite:** GIT150 (Database Applications)
7. **Semesters Offered:** Spring
8. **Suggested General Guidelines for Evaluation:** Homework Assignments, Midterm, Final, Project(s)
9. **General Topical Outline:** (optional)